API Reference

AWS Backup

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AWS Backup: API Reference

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Welcome

AWS Backup

AWS Backup is a unified backup service designed to protect AWS services and their associated data. AWS Backup simplifies the creation, migration, restoration, and deletion of backups, while also providing reporting and auditing.

AWS Backup gateway

AWS Backup gateway connects AWS Backup to your hypervisor, so you can create, store, and restore backups of your virtual machines (VMs) anywhere, whether on-premises or in the VMware Cloud (VMC) on AWS.

Add on-premises resources by connecting to a hypervisor through a gateway. AWS Backup will automatically discover the resources in your hypervisor.

Use AWS Backup to assign virtual or on-premises resources to a backup plan, or run on-demand backups. Once you have backed up your resources, you can view them and restore them like any resource supported by AWS Backup.

To download the AWS software to get started, navigate to the AWS Backup console, choose **Gateways**, then choose **Create gateway**.

AWS Backup search

Backup Search is the recovery point and item level search for AWS Backup.

For additional information, see:

- AWS Backup API Reference
- AWS Backup Developer Guide

Actions

The following actions are supported by AWS Backup:

- AssociateBackupVaultMpaApprovalTeam
- CancelLegalHold
- CreateBackupAccessPoint
- CreateBackupPlan
- CreateBackupSelection
- CreateBackupVault
- CreateFramework
- CreateLegalHold
- CreateLogicallyAirGappedBackupVault
- CreateReportPlan
- CreateRestoreAccessBackupVault
- CreateRestoreTestingPlan
- CreateRestoreTestingSelection
- CreateTieringConfiguration
- DeleteBackupAccessPoint
- DeleteBackupPlan
- DeleteBackupSelection
- DeleteBackupVault
- DeleteBackupVaultAccessPolicy
- DeleteBackupVaultLockConfiguration
- DeleteBackupVaultNotifications
- DeleteFramework
- DeleteRecoveryPoint
- DeleteReportPlan
- DeleteRestoreTestingPlan
- DeleteRestoreTestingSelection
- DeleteTieringConfiguration

- DescribeBackupAccessPoint
- DescribeBackupJob
- DescribeBackupVault
- DescribeCopyJob
- DescribeFramework
- DescribeGlobalSettings
- DescribeProtectedResource
- DescribeRecoveryPoint
- DescribeRegionSettings
- DescribeReportJob
- DescribeReportPlan
- DescribeRestoreJob
- DescribeScanJob
- DisassociateBackupVaultMpaApprovalTeam
- DisassociateRecoveryPoint
- DisassociateRecoveryPointFromParent
- ExportBackupPlanTemplate
- GetBackupPlan
- GetBackupPlanFromJSON
- GetBackupPlanFromTemplate
- GetBackupSelection
- GetBackupVaultAccessPolicy
- GetBackupVaultNotifications
- GetLegalHold
- GetPITRMalwareScanResults
- GetRecoveryPointIndexDetails
- GetRecoveryPointRestoreMetadata
- GetRestoreJobMetadata
- GetRestoreTestingInferredMetadata
- GetRestoreTestingPlan

- GetRestoreTestingSelection
- GetSupportedResourceTypes
- GetTieringConfiguration
- ListBackupAccessPoints
- ListBackupAccessPointsByRecoveryPoint
- ListBackupAccessPointsByResource
- ListBackupJobs
- ListBackupJobSummaries
- ListBackupPlans
- ListBackupPlanTemplates
- ListBackupPlanVersions
- ListBackupSelections
- ListBackupVaults
- ListCopyJobs
- ListCopyJobSummaries
- ListFrameworks
- ListIndexedRecoveryPoints
- ListLegalHolds
- ListProtectedResources
- ListProtectedResourcesByBackupVault
- ListRecoveryPointsByBackupVault
- ListRecoveryPointsByLegalHold
- ListRecoveryPointsByResource
- ListReportJobs
- ListReportPlans
- ListRestoreAccessBackupVaults
- ListRestoreJobs
- ListRestoreJobsByProtectedResource
- ListRestoreJobSummaries
- ListRestoreTestingPlans

- ListRestoreTestingSelections
- ListScanJobs
- ListScanJobSummaries
- ListTags
- ListTieringConfigurations
- PutBackupVaultAccessPolicy
- PutBackupVaultLockConfiguration
- PutBackupVaultNotifications
- PutRestoreValidationResult
- RevokeRestoreAccessBackupVault
- StartBackupJob
- StartCopyJob
- StartReportJob
- StartRestoreJob
- StartScanJob
- StopBackupJob
- TagResource
- UntagResource
- UpdateBackupPlan
- UpdateFramework
- UpdateGlobalSettings
- UpdateRecoveryPointIndexSettings
- UpdateRecoveryPointLifecycle
- UpdateRegionSettings
- UpdateReportPlan
- UpdateRestoreTestingPlan
- UpdateRestoreTestingSelection
- UpdateTieringConfiguration

The following actions are supported by AWS Backup gateway:

- AssociateGatewayToServer
- CreateGateway
- DeleteGateway
- DeleteHypervisor
- DisassociateGatewayFromServer
- GetBandwidthRateLimitSchedule
- GetGateway
- GetHypervisor
- GetHypervisorPropertyMappings
- GetVirtualMachine
- ImportHypervisorConfiguration
- ListGateways
- ListHypervisors
- ListTagsForResource
- ListVirtualMachines
- PutBandwidthRateLimitSchedule
- PutHypervisorPropertyMappings
- PutMaintenanceStartTime
- StartVirtualMachinesMetadataSync
- TagResource
- TestHypervisorConfiguration
- UntagResource
- UpdateGatewayInformation
- UpdateGatewaySoftwareNow
- UpdateHypervisor

The following actions are supported by AWS Backup search:

- GetSearchJob
- GetSearchResultExportJob
- ListSearchJobBackups

- ListSearchJobResults
- ListSearchJobs
- ListSearchResultExportJobs
- ListTagsForResource
- StartSearchJob
- StartSearchResultExportJob
- StopSearchJob
- TagResource
- UntagResource

AWS Backup

The following actions are supported by AWS Backup:

- AssociateBackupVaultMpaApprovalTeam
- CancelLegalHold
- CreateBackupAccessPoint
- CreateBackupPlan
- CreateBackupSelection
- CreateBackupVault
- CreateFramework
- CreateLegalHold
- CreateLogicallyAirGappedBackupVault
- CreateReportPlan
- CreateRestoreAccessBackupVault
- CreateRestoreTestingPlan
- CreateRestoreTestingSelection
- CreateTieringConfiguration
- DeleteBackupAccessPoint
- DeleteBackupPlan
- DeleteBackupSelection

- DeleteBackupVault
- DeleteBackupVaultAccessPolicy
- DeleteBackupVaultLockConfiguration
- DeleteBackupVaultNotifications
- DeleteFramework
- DeleteRecoveryPoint
- DeleteReportPlan
- DeleteRestoreTestingPlan
- DeleteRestoreTestingSelection
- DeleteTieringConfiguration
- DescribeBackupAccessPoint
- DescribeBackupJob
- DescribeBackupVault
- DescribeCopyJob
- DescribeFramework
- DescribeGlobalSettings
- DescribeProtectedResource
- DescribeRecoveryPoint
- DescribeRegionSettings
- DescribeReportJob
- DescribeReportPlan
- DescribeRestoreJob
- DescribeScanJob
- DisassociateBackupVaultMpaApprovalTeam
- DisassociateRecoveryPoint
- DisassociateRecoveryPointFromParent
- ExportBackupPlanTemplate
- GetBackupPlan
- GetBackupPlanFromJSON
- GetBackupPlanFromTemplate

- GetBackupSelection
- GetBackupVaultAccessPolicy
- GetBackupVaultNotifications
- GetLegalHold
- GetPITRMalwareScanResults
- GetRecoveryPointIndexDetails
- GetRecoveryPointRestoreMetadata
- GetRestoreJobMetadata
- GetRestoreTestingInferredMetadata
- GetRestoreTestingPlan
- GetRestoreTestingSelection
- GetSupportedResourceTypes
- GetTieringConfiguration
- ListBackupAccessPoints
- ListBackupAccessPointsByRecoveryPoint
- ListBackupAccessPointsByResource
- ListBackupJobs
- ListBackupJobSummaries
- ListBackupPlans
- ListBackupPlanTemplates
- ListBackupPlanVersions
- ListBackupSelections
- ListBackupVaults
- ListCopyJobs
- ListCopyJobSummaries
- ListFrameworks
- ListIndexedRecoveryPoints
- ListLegalHolds
- ListProtectedResources
- ListProtectedResourcesByBackupVault

- ListRecoveryPointsByBackupVault
- ListRecoveryPointsByLegalHold
- ListRecoveryPointsByResource
- ListReportJobs
- ListReportPlans
- ListRestoreAccessBackupVaults
- ListRestoreJobs
- ListRestoreJobsByProtectedResource
- ListRestoreJobSummaries
- ListRestoreTestingPlans
- ListRestoreTestingSelections
- ListScanJobs
- ListScanJobSummaries
- ListTags
- ListTieringConfigurations
- PutBackupVaultAccessPolicy
- PutBackupVaultLockConfiguration
- PutBackupVaultNotifications
- PutRestoreValidationResult
- RevokeRestoreAccessBackupVault
- StartBackupJob
- StartCopyJob
- StartReportJob
- StartRestoreJob
- StartScanJob
- StopBackupJob
- TagResource
- UntagResource
- UpdateBackupPlan
- UpdateFramework

- UpdateGlobalSettings
- UpdateRecoveryPointIndexSettings
- UpdateRecoveryPointLifecycle
- UpdateRegionSettings
- UpdateReportPlan
- UpdateRestoreTestingPlan
- UpdateRestoreTestingSelection
- UpdateTieringConfiguration

AssociateBackupVaultMpaApprovalTeam

Service: AWS Backup

Associates an MPA approval team with a backup vault.

Request Syntax

```
PUT /backup-vaults/backupVaultName/mpaApprovalTeam HTTP/1.1
Content-type: application/json

{
   "MpaApprovalTeamArn": "string",
   "RequesterComment": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of the backup vault to associate with the MPA approval team.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

MpaApprovalTeamArn

The Amazon Resource Name (ARN) of the MPA approval team to associate with the backup vault.

Type: String

Required: Yes

RequesterComment

A comment provided by the requester explaining the association request.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CancelLegalHold

Service: AWS Backup

Removes the specified legal hold on a recovery point. This action can only be performed by a user with sufficient permissions.

Request Syntax

```
DELETE /legal-holds/legalHoldId?
cancelDescription=CancelDescription&retainRecordInDays=RetainRecordInDays HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

CancelDescription

A string the describes the reason for removing the legal hold.

Required: Yes

legalHoldId

The ID of the legal hold.

Required: Yes

RetainRecordInDays

The integer amount, in days, after which to remove legal hold.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 201
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidResourceStateException

AWS Backup is already performing an action on this recovery point. It can't perform the action you requested until the first action finishes. Try again later.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
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- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateBackupAccessPoint

Service: AWS Backup

Creates a backup access point for an Amazon S3 recovery point. A backup access point provides on-demand, read-only access to the backup data in a recovery point through an Amazon S3 access point, without initiating a restore.

While a backup access point is active for a recovery point, AWS Backup pauses lifecycle transitions and blocks deletion of that recovery point.

Request Syntax

```
PUT /backup-access-point/create HTTP/1.1
Content-type: application/json

{
   "AccessPointMetadata": {
      "string" : "string"
   },
   "AccessPointPolicy": "string",
   "Name": "string",
   "RecoveryPointArn": "string",
   "Tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccessPointMetadata

Metadata for the backup access point. For continuous (point-in-time) recovery points, you must include an `AccessPointInTime` timestamp (in format `2021-11-27T03:30:27Z`). The access point provides access to the content present in the backup at that specific time. You can specify

any time within the continuous backup's retention period, up to the latest restorable time. For snapshot recovery points, do not include `AccessPointInTime`.

Type: String to string map

Key Length Constraints: Minimum length of 1.

Value Length Constraints: Minimum length of 1.

Required: No

AccessPointPolicy

An optional resource-based policy, in JSON format, to apply to the underlying Amazon S3 access point. The policy controls how backup data can be accessed through the access point. If you do not specify a policy, access is governed by the caller's IAM permissions. For more information, see Configuring IAM policies for using access points in the *Amazon S3 User Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200000.

Required: No

Name

The name of the backup access point. This name is shared with the Amazon S3 access point namespace. It must be unique within your account and Region and cannot conflict with an existing Amazon S3 access point. For more information about access point naming, see Access points naming rules, restrictions, and limitations in the *Amazon S3 User Guide*.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 50.

Pattern: `[\da-z]{1}[\da-z-]{1,48}[\da-z]{1}(?<!-s3alias)(?<!-ext-s3alias)`

Required: Yes

RecoveryPointArn

The Amazon Resource Name (ARN) of the recovery point for which to create the backup access point. The recovery point must be an Amazon S3 recovery point in the `AVAILABLE`, `STOPPED`, or `COMPLETED` state.

Type: String

Pattern: `(arn:aws[a-z-]*:[a-z-\d]+:[a-z-\d]+:).+`

Required: Yes

Tags

The tags to assign to the backup access point.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "AccessPointArn": "string",
   "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

AccessPointArn

The Amazon Resource Name (ARN) that uniquely identifies the created backup access point.

Type: String

Pattern: `(arn:aws[a-z-]*:backup:[a-z-\d]+:\d{12}:accesspoint/)[\da-z]{1}[\da-z-]{1,48}[\da-z]{1}(?<!-s3alias)(?<!-ext-s3alias)`

Status

The current status of the backup access point. A newly created backup access point begins in the `CREATING` state and becomes usable when it reaches `AVAILABLE`.

Type: String

Valid Values: `AVAILABLE | CREATING | DELETING | DISASSOCIATED | DISASSOCIATING | EXPIRED | FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

ConflictException

AWS Backup can't perform the action that you requested until it finishes performing a previous action. Try again later.

Context

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateBackupPlan

Service: AWS Backup

Creates a backup plan using a backup plan name and backup rules. A backup plan is a document that contains information that AWS Backup uses to schedule tasks that create recovery points for resources.

If you call `CreateBackupPlan` with a plan that already exists, you receive an `AlreadyExistsException` exception.

Request Syntax

```
PUT /backup/plans/ HTTP/1.1
Content-type: application/json

{
   "BackupPlan": {
      "AdvancedBackupSettings": [
         {
            "BackupOptions": {
               "string" : "string"
            },
            "ResourceType": "string"
         }
      ],
      "BackupPlanName": "string",
      "Rules": [
         {
            "CompletionWindowMinutes": number,
            "CopyActions": [
               {
                  "DestinationBackupVaultArn": "string",
                  "Lifecycle": {
                     "DeleteAfterDays": number,
                     "DeleteAfterEvent": "string",
                     "MoveToColdStorageAfterDays": number,
                     "OptInToArchiveForSupportedResources": boolean
                  }
               }
            ],
            "EnableContinuousBackup": boolean,
            "IndexActions": [
               {
```

```
                "ResourceTypes": [ "string" ]
            }
        ],
        "Lifecycle": {
            "DeleteAfterDays": number,
            "DeleteAfterEvent": "string",
            "MoveToColdStorageAfterDays": number,
            "OptInToArchiveForSupportedResources": boolean
        },
        "RecoveryPointTags": {
            "string" : "string"
        },
        "RuleName": "string",
        "ScanActions": [
            {
                "MalwareScanner": "string",
                "ScanMode": "string"
            }
        ],
        "ScheduleExpression": "string",
        "ScheduleExpressionTimezone": "string",
        "StartWindowMinutes": number,
        "TargetBackupVaultName": "string",
        "TargetLogicallyAirGappedBackupVaultArn": "string"
      }
    ],
    "ScanSettings": [
      {
        "MalwareScanner": "string",
        "ResourceTypes": [ "string" ],
        "ScannerRoleArn": "string"
      }
    ]
  },
  "BackupPlanTags": {
    "string" : "string"
  },
  "CreatorRequestId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

BackupPlan

The body of a backup plan. Includes a `BackupPlanName` and one or more sets of `Rules`.

Type: BackupPlanInput object

Required: Yes

BackupPlanTags

The tags to assign to the backup plan.

Type: String to string map

Required: No

CreatorRequestId

Identifies the request and allows failed requests to be retried without the risk of running the operation twice. If the request includes a `CreatorRequestId` that matches an existing backup plan, that plan is returned. This parameter is optional.

If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AdvancedBackupSettings": [
      {
         "BackupOptions": {
            "string" : "string"
         },
```

```
            "ResourceType": "string"
        }
    ],
    "BackupPlanArn": "string",
    "BackupPlanId": "string",
    "CreationDate": number,
    "VersionId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AdvancedBackupSettings

The settings for a resource type. This option is only available for Windows Volume Shadow Copy Service (VSS) backup jobs.

Type: Array of AdvancedBackupSetting objects

BackupPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a backup plan; for example, `arn:aws:backup:us-east-1:123456789012:plan:8F81F553-3A74-4A3F-B93D-B3360DC80C50`.

Type: String

BackupPlanId

The ID of the backup plan.

Type: String

CreationDate

The date and time that a backup plan is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

VersionId

Unique, randomly generated, Unicode, UTF-8 encoded strings that are at most 1,024 bytes long. They cannot be edited.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

CreateBackupSelection

Service: AWS Backup

Creates a JSON document that specifies a set of resources to assign to a backup plan. For examples, see Assigning resources programmatically.

Request Syntax

```
PUT /backup/plans/backupPlanId/selections/ HTTP/1.1
Content-type: application/json

{
   "BackupSelection": {
      "Conditions": {
         "StringEquals": [
            {
               "ConditionKey": "string",
               "ConditionValue": "string"
            }
         ],
         "StringLike": [
            {
               "ConditionKey": "string",
               "ConditionValue": "string"
            }
         ],
         "StringNotEquals": [
            {
               "ConditionKey": "string",
               "ConditionValue": "string"
            }
         ],
         "StringNotLike": [
            {
               "ConditionKey": "string",
               "ConditionValue": "string"
            }
         ]
      },
      "IamRoleArn": "string",
      "ListOfTags": [
         {
            "ConditionKey": "string",
```

```
            "ConditionType": "string",
            "ConditionValue": "string"
         }
      ],
      "NotResources": [ "string" ],
      "Resources": [ "string" ],
      "SelectionName": "string"
   },
   "CreatorRequestId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

backupPlanId

The ID of the backup plan.

Required: Yes

Request Body

The request accepts the following data in JSON format.

BackupSelection

The body of a request to assign a set of resources to a backup plan.

Type: BackupSelection object

Required: Yes

CreatorRequestId

A unique string that identifies the request and allows failed requests to be retried without the risk of running the operation twice. This parameter is optional.

If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupPlanId": "string",
   "CreationDate": number,
   "SelectionId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupPlanId

The ID of the backup plan.

Type: String

CreationDate

The date and time a backup selection is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

SelectionId

Uniquely identifies the body of a request to assign a set of resources to a backup plan.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateBackupVault

Service: AWS Backup

Creates a logical container where backups are stored. A `CreateBackupVault` request includes a name, optionally one or more resource tags, an encryption key, and a request ID.

> **Note**
>
> Do not include sensitive data, such as passport numbers, in the name of a backup vault.

Request Syntax

```
PUT /backup-vaults/backupVaultName HTTP/1.1
Content-type: application/json

{
   "BackupVaultTags": {
      "string" : "string"
   },
   "CreatorRequestId": "string",
   "EncryptionKeyArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created. They consist of letters, numbers, and hyphens.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

BackupVaultTags

The tags to assign to the backup vault.

Type: String to string map

Required: No

CreatorRequestId

A unique string that identifies the request and allows failed requests to be retried without the risk of running the operation twice. This parameter is optional.

If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

EncryptionKeyArn

The server-side encryption key that is used to protect your backups; for example, `arn:aws:kms:us-west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab`.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupVaultArn": "string",
   "BackupVaultName": "string",
   "CreationDate": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the Region where they are created. They consist of lowercase letters, numbers, and hyphens.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

CreationDate

The date and time a backup vault is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateFramework

Service: AWS Backup

Creates a framework with one or more controls. A framework is a collection of controls that you can use to evaluate your backup practices. By using pre-built customizable controls to define your policies, you can evaluate whether your backup practices comply with your policies and which resources are not yet in compliance.

Request Syntax

```
POST /audit/frameworks HTTP/1.1
Content-type: application/json

{
   "FrameworkControls": [
      {
         "ControlInputParameters": [
            {
               "ParameterName": "string",
               "ParameterValue": "string"
            }
         ],
         "ControlName": "string",
         "ControlScope": {
            "ComplianceResourceIds": [ "string" ],
            "ComplianceResourceTypes": [ "string" ],
            "Tags": {
               "string" : "string"
            }
         }
      }
   ],
   "FrameworkDescription": "string",
   "FrameworkName": "string",
   "FrameworkTags": {
      "string" : "string"
   },
   "IdempotencyToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

FrameworkControls

The controls that make up the framework. Each control in the list has a name, input parameters, and scope.

Type: Array of FrameworkControl objects

Required: Yes

FrameworkDescription

An optional description of the framework with a maximum of 1,024 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

FrameworkName

The unique name of the framework. The name must be between 1 and 256 characters, starting with a letter, and consisting of letters (a-z, A-Z), numbers (0-9), and underscores (_).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Required: Yes

FrameworkTags

The tags to assign to the framework.

Type: String to string map

Required: No

IdempotencyToken

A customer-chosen string that you can use to distinguish between otherwise identical calls to `CreateFrameworkInput`. Retrying a successful request with the same idempotency token results in a success message with no action taken.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "FrameworkArn": "string",
   "FrameworkName": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FrameworkArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

FrameworkName

The unique name of the framework. The name must be between 1 and 256 characters, starting with a letter, and consisting of letters (a-z, A-Z), numbers (0-9), and underscores (_).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateLegalHold

Service: AWS Backup

Creates a legal hold on a recovery point (backup). A legal hold is a restraint on altering or deleting a backup until an authorized user cancels the legal hold. Any actions to delete or disassociate a recovery point will fail with an error if one or more active legal holds are on the recovery point.

Request Syntax

```
POST /legal-holds/ HTTP/1.1
Content-type: application/json

{
   "Description": "string",
   "IdempotencyToken": "string",
   "RecoveryPointSelection": {
      "DateRange": {
         "FromDate": number,
         "ToDate": number
      },
      "ResourceIdentifiers": [ "string" ],
      "VaultNames": [ "string" ]
   },
   "Tags": {
      "string" : "string"
   },
   "Title": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Description

The description of the legal hold.

Type: String

Required: Yes

IdempotencyToken

This is a user-chosen string used to distinguish between otherwise identical calls. Retrying a successful request with the same idempotency token results in a success message with no action taken.

Type: String

Required: No

RecoveryPointSelection

The criteria to assign a set of resources, such as resource types or backup vaults.

Type: RecoveryPointSelection object

Required: No

Tags

Optional tags to include. A tag is a key-value pair you can use to manage, filter, and search for your resources. Allowed characters include UTF-8 letters, numbers, spaces, and the following characters: + - = . _ : /.

Type: String to string map

Required: No

Title

The title of the legal hold.

Type: String

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "CreationDate": number,
   "Description": "string",
   "LegalHoldArn": "string",
   "LegalHoldId": "string",
   "RecoveryPointSelection": {
      "DateRange": {
         "FromDate": number,
         "ToDate": number
      },
      "ResourceIdentifiers": [ "string" ],
      "VaultNames": [ "string" ]
   },
   "Status": "string",
   "Title": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreationDate

The time when the legal hold was created.

Type: Timestamp

Description

The description of the legal hold.

Type: String

LegalHoldArn

The Amazon Resource Name (ARN) of the legal hold.

Type: String

LegalHoldId

The ID of the legal hold.

Type: String

RecoveryPointSelection

The criteria to assign to a set of resources, such as resource types or backup vaults.

Type: RecoveryPointSelection object

Status

The status of the legal hold.

Type: String

Valid Values: `CREATING | ACTIVE | CANCELING | CANCELED`

Title

The title of the legal hold.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateLogicallyAirGappedBackupVault

Service: AWS Backup

Creates a logical container to where backups may be copied.

This request includes a name, the Region, the maximum number of retention days, the minimum number of retention days, and optionally can include tags and a creator request ID.

> **Note**
>
> Do not include sensitive data, such as passport numbers, in the name of a backup vault.

Request Syntax

```
PUT /logically-air-gapped-backup-vaults/backupVaultName HTTP/1.1
Content-type: application/json

{
   "BackupVaultTags": {
      "string" : "string"
   },
   "CreatorRequestId": "string",
   "EncryptionKeyArn": "string",
   "MaxRetentionDays": number,
   "MinRetentionDays": number
}
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Logically air-gapped backup vaults are identified by names that are unique to the account used to create them and the Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

BackupVaultTags

The tags to assign to the vault.

Type: String to string map

Required: No

CreatorRequestId

The ID of the creation request.

This parameter is optional. If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

EncryptionKeyArn

The ARN of the customer-managed KMS key to use for encrypting the logically air-gapped backup vault. If not specified, the vault will be encrypted with an AWS-owned key managed by AWS Backup.

Type: String

Required: No

MaxRetentionDays

The maximum retention period that the vault retains its recovery points.

Type: Long

Required: Yes

MinRetentionDays

This setting specifies the minimum retention period that the vault retains its recovery points.

The minimum value accepted is 7 days.

Type: Long

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupVaultArn": "string",
   "BackupVaultName": "string",
   "CreationDate": number,
   "VaultState": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupVaultArn

The ARN (Amazon Resource Name) of the vault.

Type: String

BackupVaultName

The name of a logical container where backups are stored. Logically air-gapped backup vaults are identified by names that are unique to the account used to create them and the Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

CreationDate

The date and time when the vault was created.

This value is in Unix format, Coordinated Universal Time (UTC), and accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

VaultState

The current state of the vault.

Type: String

Valid Values: `CREATING | AVAILABLE | FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateReportPlan

Service: AWS Backup

Creates a report plan. A report plan is a document that contains information about the contents of the report and where AWS Backup will deliver it.

If you call `CreateReportPlan` with a plan that already exists, you receive an `AlreadyExistsException` exception.

Request Syntax

```
POST /audit/report-plans HTTP/1.1
Content-type: application/json

{
   "IdempotencyToken": "string",
   "ReportDeliveryChannel": {
      "Formats": [ "string" ],
      "S3BucketName": "string",
      "S3KeyPrefix": "string"
   },
   "ReportPlanDescription": "string",
   "ReportPlanName": "string",
   "ReportPlanTags": {
      "string" : "string"
   },
   "ReportSetting": {
      "Accounts": [ "string" ],
      "FrameworkArns": [ "string" ],
      "NumberOfFrameworks": number,
      "OrganizationUnits": [ "string" ],
      "Regions": [ "string" ],
      "ReportTemplate": "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

IdempotencyToken

A customer-chosen string that you can use to distinguish between otherwise identical calls to `CreateReportPlanInput`. Retrying a successful request with the same idempotency token results in a success message with no action taken.

Type: String

Required: No

ReportDeliveryChannel

A structure that contains information about where and how to deliver your reports, specifically your Amazon S3 bucket name, S3 key prefix, and the formats of your reports.

Type: ReportDeliveryChannel object

Required: Yes

ReportPlanDescription

An optional description of the report plan with a maximum of 1,024 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

ReportPlanName

The unique name of the report plan. The name must be between 1 and 256 characters, starting with a letter, and consisting of letters (a-z, A-Z), numbers (0-9), and underscores (_).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Required: Yes

ReportPlanTags

The tags to assign to the report plan.

Type: String to string map

Required: No

ReportSetting

Identifies the report template for the report. Reports are built using a report template. The report templates are:

`RESOURCE_COMPLIANCE_REPORT | CONTROL_COMPLIANCE_REPORT | BACKUP_JOB_REPORT | COPY_JOB_REPORT | RESTORE_JOB_REPORT | SCAN_JOB_REPORT`

If the report template is `RESOURCE_COMPLIANCE_REPORT` or `CONTROL_COMPLIANCE_REPORT`, this API resource also describes the report coverage by AWS Regions and frameworks.

Type: ReportSetting object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CreationTime": number,
   "ReportPlanArn": "string",
   "ReportPlanName": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreationTime

The date and time a backup vault is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

ReportPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

ReportPlanName

The unique name of the report plan.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateRestoreAccessBackupVault

Service: AWS Backup

Creates a restore access backup vault that provides temporary access to recovery points in a logically air-gapped backup vault, subject to MPA approval.

Request Syntax

```
PUT /restore-access-backup-vaults HTTP/1.1
Content-type: application/json

{
   "BackupVaultName": "string",
   "BackupVaultTags": {
      "string" : "string"
   },
   "CreatorRequestId": "string",
   "RequesterComment": "string",
   "SourceBackupVaultArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

BackupVaultName

The name of the backup vault to associate with an MPA approval team.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: No

BackupVaultTags

Optional tags to assign to the restore access backup vault.

Type: String to string map

Required: No

CreatorRequestId

A unique string that identifies the request and allows failed requests to be retried without the risk of executing the operation twice.

Type: String

Required: No

RequesterComment

A comment explaining the reason for requesting restore access to the backup vault.

Type: String

Required: No

SourceBackupVaultArn

The ARN of the source backup vault containing the recovery points to which temporary access is requested.

Type: String

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CreationDate": number,
   "RestoreAccessBackupVaultArn": "string",
   "RestoreAccessBackupVaultName": "string",
   "VaultState": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreationDate

>The date and time when the restore access backup vault was created, in Unix format and Coordinated Universal Time

Type: Timestamp

RestoreAccessBackupVaultArn

The ARN that uniquely identifies the created restore access backup vault.

Type: String

RestoreAccessBackupVaultName

The name of the created restore access backup vault.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

VaultState

The current state of the restore access backup vault.

Type: String

Valid Values: `CREATING | AVAILABLE | FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

CreateRestoreTestingPlan

Service: AWS Backup

Creates a restore testing plan.

The first of two steps to create a restore testing plan. After this request is successful, finish the procedure using CreateRestoreTestingSelection.

Request Syntax

```
PUT /restore-testing/plans HTTP/1.1
Content-type: application/json

{
   "CreatorRequestId": "string",
   "RestoreTestingPlan": {
      "RecoveryPointSelection": {
         "Algorithm": "string",
         "ExcludeVaults": [ "string" ],
         "IncludeVaults": [ "string" ],
         "RecoveryPointTypes": [ "string" ],
         "SelectionWindowDays": number
      },
      "RestoreTestingPlanName": "string",
      "ScheduleExpression": "string",
      "ScheduleExpressionTimezone": "string",
      "StartWindowHours": number
   },
   "Tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

CreatorRequestId

This is a unique string that identifies the request and allows failed requests to be retriedwithout the risk of running the operation twice. This parameter is optional. If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

RestoreTestingPlan

A restore testing plan must contain a unique `RestoreTestingPlanName` string you create and must contain a `ScheduleExpression` cron. You may optionally include a `StartWindowHours` integer and a `CreatorRequestId` string.

The `RestoreTestingPlanName` is a unique string that is the name of the restore testing plan. This cannot be changed after creation, and it must consist of only alphanumeric characters and underscores.

Type: RestoreTestingPlanForCreate object

Required: Yes

Tags

The tags to assign to the restore testing plan.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "CreationTime": number,
   "RestoreTestingPlanArn": "string",
   "RestoreTestingPlanName": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

CreationTime

The date and time a restore testing plan was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087AM.

Type: Timestamp

RestoreTestingPlanArn

An Amazon Resource Name (ARN) that uniquely identifies the created restore testing plan.

Type: String

RestoreTestingPlanName

This unique string is the name of the restore testing plan.

The name cannot be changed after creation. The name consists of only alphanumeric characters and underscores. Maximum length is 50.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

ConflictException

AWS Backup can't perform the action that you requested until it finishes performing a previous action. Try again later.

Context

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateRestoreTestingSelection

Service: AWS Backup

This request can be sent after CreateRestoreTestingPlan request returns successfully. This is the second part of creating a resource testing plan, and it must be completed sequentially.

This consists of `RestoreTestingSelectionName`, `ProtectedResourceType`, and one of the following:

- `ProtectedResourceArns`
- `ProtectedResourceConditions`

Each protected resource type can have one single value.

A restore testing selection can include a wildcard value ("*") for `ProtectedResourceArns` along with `ProtectedResourceConditions`. Alternatively, you can include up to 30 specific protected resource ARNs in `ProtectedResourceArns`.

Cannot select by both protected resource types AND specific ARNs. Request will fail if both are included.

Request Syntax

```
PUT /restore-testing/plans/RestoreTestingPlanName/selections HTTP/1.1
Content-type: application/json

{
   "CreatorRequestId": "string",
   "RestoreTestingSelection": {
      "IamRoleArn": "string",
      "ProtectedResourceArns": [ "string" ],
      "ProtectedResourceConditions": {
         "StringEquals": [
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "StringNotEquals": [
            {
               "Key": "string",
```

```
                "Value": "string"
            }
         ]
      },
      "ProtectedResourceType": "string",
      "RestoreMetadataOverrides": {
         "string" : "string"
      },
      "RestoreTestingSelectionName": "string",
      "ValidationWindowHours": number
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

RestoreTestingPlanName

Input the restore testing plan name that was returned from the related CreateRestoreTestingPlan request.

Required: Yes

Request Body

The request accepts the following data in JSON format.

CreatorRequestId

This is an optional unique string that identifies the request and allows failed requests to be retried without the risk of running the operation twice. If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

RestoreTestingSelection

This consists of `RestoreTestingSelectionName`, `ProtectedResourceType`, and one of the following:

- `ProtectedResourceArns`
- `ProtectedResourceConditions`

Each protected resource type can have one single value.

A restore testing selection can include a wildcard value ("*") for `ProtectedResourceArns` along with `ProtectedResourceConditions`. Alternatively, you can include up to 30 specific protected resource ARNs in `ProtectedResourceArns`.

Type: RestoreTestingSelectionForCreate object

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "CreationTime": number,
   "RestoreTestingPlanArn": "string",
   "RestoreTestingPlanName": "string",
   "RestoreTestingSelectionName": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

CreationTime

The time that the resource testing selection was created.

Type: Timestamp

RestoreTestingPlanArn

The ARN of the restore testing plan with which the restore testing selection is associated.

Type: String

RestoreTestingPlanName

The name of the restore testing plan.

The name cannot be changed after creation. The name consists of only alphanumeric characters and underscores. Maximum length is 50.

Type: String

RestoreTestingSelectionName

The name of the restore testing selection for the related restore testing plan.

The name cannot be changed after creation. The name consists of only alphanumeric characters and underscores. Maximum length is 50.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateTieringConfiguration

Service: AWS Backup

Creates a tiering configuration.

A tiering configuration enables automatic movement of backup data to a lower-cost storage tier based on the age of backed-up objects in the backup vault.

Each vault can only have one vault-specific tiering configuration, in addition to any global configuration that applies to all vaults.

Request Syntax

```
PUT /tiering-configurations HTTP/1.1
Content-type: application/json

{
   "CreatorRequestId": "string",
   "TieringConfiguration": {
      "BackupVaultName": "string",
      "ResourceSelection": [
         {
            "Resources": [ "string" ],
            "ResourceType": "string",
            "TieringDownSettingsInDays": number
         }
      ],
      "TieringConfigurationName": "string"
   },
   "TieringConfigurationTags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

CreatorRequestId

This is a unique string that identifies the request and allows failed requests to be retried without the risk of running the operation twice. This parameter is optional. If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

TieringConfiguration

A tiering configuration must contain a unique `TieringConfigurationName` string you create and must contain a `BackupVaultName` and `ResourceSelection`. You may optionally include a `CreatorRequestId` string.

The `TieringConfigurationName` is a unique string that is the name of the tiering configuration. This cannot be changed after creation, and it must consist of only alphanumeric characters and underscores.

Type: TieringConfigurationInputForCreate object

Required: Yes

TieringConfigurationTags

The tags to assign to the tiering configuration.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CreationTime": number,
   "TieringConfigurationArn": "string",
   "TieringConfigurationName": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreationTime

The date and time a tiering configuration was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087AM.

Type: Timestamp

TieringConfigurationArn

An Amazon Resource Name (ARN) that uniquely identifies the created tiering configuration.

Type: String

TieringConfigurationName

This unique string is the name of the tiering configuration.

The name cannot be changed after creation. The name consists of only alphanumeric characters and underscores. Maximum length is 200.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

ConflictException

AWS Backup can't perform the action that you requested until it finishes performing a previous action. Try again later.

Context

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteBackupAccessPoint

Service: AWS Backup

Deletes a backup access point. This deletes the underlying Amazon S3 access point and, if no other backup access points remain for the recovery point, resumes lifecycle transitions for that recovery point.

Always delete backup access points using this operation rather than deleting the underlying Amazon S3 access point directly.

Request Syntax

```
DELETE /backup-access-point/delete/AccessPointArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AccessPointArn

The Amazon Resource Name (ARN) of the backup access point to delete.

Pattern: `(arn:aws[a-z-]*:backup:[a-z-\d]+:\d{12}:accesspoint/)[\da-z]{1}[\da-z-]{1,48}[\da-z]{1}(?<!-s3alias)(?<!-ext-s3alias)`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteBackupPlan

Service: AWS Backup

Deletes a backup plan. A backup plan can only be deleted after all associated selections of resources have been deleted. Deleting a backup plan deletes the current version of a backup plan. Previous versions, if any, will still exist.

Request Syntax

```
DELETE /backup/plans/backupPlanId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupPlanId

Uniquely identifies a backup plan.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupPlanArn": "string",
   "BackupPlanId": "string",
   "DeletionDate": number,
   "VersionId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a backup plan; for example, `arn:aws:backup:us-east-1:123456789012:plan:8F81F553-3A74-4A3F-B93D-B3360DC80C50`.

Type: String

BackupPlanId

Uniquely identifies a backup plan.

Type: String

DeletionDate

The date and time a backup plan is deleted, in Unix format and Coordinated Universal Time (UTC). The value of `DeletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

VersionId

Unique, randomly generated, Unicode, UTF-8 encoded strings that are at most 1,024 bytes long. Version IDs cannot be edited.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteBackupSelection

Service: AWS Backup

Deletes the resource selection associated with a backup plan that is specified by the `SelectionId`.

Request Syntax

```
DELETE /backup/plans/backupPlanId/selections/selectionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupPlanId

Uniquely identifies a backup plan.

Required: Yes

selectionId

Uniquely identifies the body of a request to assign a set of resources to a backup plan.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteBackupVault

Service: AWS Backup

Deletes the backup vault identified by its name. A vault can be deleted only if it is empty.

Request Syntax

```
DELETE /backup-vaults/backupVaultName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteBackupVaultAccessPolicy

Service: AWS Backup

Deletes the policy document that manages permissions on a backup vault.

Request Syntax

```
DELETE /backup-vaults/backupVaultName/access-policy HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created. They consist of lowercase letters, numbers, and hyphens.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteBackupVaultLockConfiguration

Service: AWS Backup

Deletes AWS Backup Vault Lock from a backup vault specified by a backup vault name.

If the Vault Lock configuration is immutable, then you cannot delete Vault Lock using API operations, and you will receive an `InvalidRequestException` if you attempt to do so. For more information, see Vault Lock in the *AWS Backup Developer Guide*.

Request Syntax

```
DELETE /backup-vaults/backupVaultName/vault-lock HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of the backup vault from which to delete AWS Backup Vault Lock.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteBackupVaultNotifications

Service: AWS Backup

Deletes event notifications for the specified backup vault.

Request Syntax

```
DELETE /backup-vaults/backupVaultName/notification-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteFramework

Service: AWS Backup

Deletes the framework specified by a framework name.

Request Syntax

```
DELETE /audit/frameworks/frameworkName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

frameworkName

The unique name of a framework.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConflictException

AWS Backup can't perform the action that you requested until it finishes performing a previous action. Try again later.

Context

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteRecoveryPoint

Service: AWS Backup

Deletes the recovery point specified by a recovery point ID.

If the recovery point ID belongs to a continuous backup, calling this endpoint deletes the existing continuous backup and stops future continuous backup.

When an IAM role's permissions are insufficient to call this API, the service sends back an HTTP 200 response with an empty HTTP body, but the recovery point is not deleted. Instead, it enters an `EXPIRED` state.

`EXPIRED` recovery points can be deleted with this API once the IAM role has the `iam:CreateServiceLinkedRole` action. To learn more about adding this role, see Troubleshooting manual deletions.

If the user or role is deleted or the permission within the role is removed, the deletion will not be successful and will enter an `EXPIRED` state.

Request Syntax

```
DELETE /backup-vaults/backupVaultName/recovery-points/recoveryPointArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

recoveryPointArn

An Amazon Resource Name (ARN) that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

InvalidResourceStateException

AWS Backup is already performing an action on this recovery point. It can't perform the action you requested until the first action finishes. Try again later.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteReportPlan

Service: AWS Backup

Deletes the report plan specified by a report plan name.

Request Syntax

```
DELETE /audit/report-plans/reportPlanName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

reportPlanName

The unique name of a report plan.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConflictException

AWS Backup can't perform the action that you requested until it finishes performing a previous action. Try again later.

Context

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteRestoreTestingPlan

Service: AWS Backup

This request deletes the specified restore testing plan.

Deletion can only successfully occur if all associated restore testing selections are deleted first.

Request Syntax

```
DELETE /restore-testing/plans/RestoreTestingPlanName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

RestoreTestingPlanName

Required unique name of the restore testing plan you wish to delete.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteRestoreTestingSelection

Service: AWS Backup

Input the Restore Testing Plan name and Restore Testing Selection name.

All testing selections associated with a restore testing plan must be deleted before the restore testing plan can be deleted.

Request Syntax

```
DELETE /restore-testing/plans/RestoreTestingPlanName/
selections/RestoreTestingSelectionName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

RestoreTestingPlanName

Required unique name of the restore testing plan that contains the restore testing selection you wish to delete.

Required: Yes

RestoreTestingSelectionName

Required unique name of the restore testing selection you wish to delete.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

DeleteTieringConfiguration

Service: AWS Backup

Deletes the tiering configuration specified by a tiering configuration name.

Request Syntax

```
DELETE /tiering-configurations/tieringConfigurationName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

tieringConfigurationName

The unique name of a tiering configuration.

Pattern: `^[a-zA-Z0-9_]{1,200}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeBackupAccessPoint

Service: AWS Backup

Returns metadata about a backup access point, including its status and the details of the underlying Amazon S3 access point.

After a backup access point reaches the `AVAILABLE` status, use this operation to retrieve the Amazon S3 access point ARN and alias that you need to read the backup data.

Request Syntax

```
GET /backup-access-point/AccessPointArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AccessPointArn

The Amazon Resource Name (ARN) of the backup access point to describe.

Pattern: `(arn:aws[a-z-]*:backup:[a-z-\d]+:\d{12}:accesspoint/)[\da-z]{1}[\da-z-]{1,48}[\da-z]{1}(?<!-s3alias)(?<!-ext-s3alias)`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AccessPointArn": "string",
   "AccessPointMetadata": {
      "string" : "string"
   },
```

```
    "BackupVaultArn": "string",
    "BackupVaultName": "string",
    "CreationTime": number,
    "Name": "string",
    "RecoveryPointArn": "string",
    "ResourceArn": "string",
    "ResourceType": "string",
    "Status": "string",
    "StatusMessage": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AccessPointArn

The Amazon Resource Name (ARN) that uniquely identifies the backup access point.

Type: String

Pattern: `(arn:aws[a-z-]*:backup:[a-z-\d]+:\d{12}:accesspoint/)[\da-z]{1}[\da-z-]{1,48}[\da-z]{1}(?<!-s3alias)(?<!-ext-s3alias)`

AccessPointMetadata

Metadata for the backup access point. After the backup access point reaches the `AVAILABLE` status, this map contains `S3AccessPointArn` and `S3AccessPointAlias`, which you use with standard Amazon S3 read APIs to access the backup data. For continuous recovery points, this map also contains `AccessPointInTime` (in format `2021-11-27T03:30:27Z`). The access point provides access to the content present in the backup at that specific time.

Type: String to string map

Key Length Constraints: Minimum length of 1.

Value Length Constraints: Minimum length of 1.

BackupVaultArn

The Amazon Resource Name (ARN) of the backup vault that contains the recovery point.

Type: String

BackupVaultName

The name of the backup vault that contains the recovery point.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

CreationTime

The date and time that the backup access point was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Name

The name of the backup access point.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 50.

Pattern: `[\da-z]{1}[\da-z-]{1,48}[\da-z]{1}(?<!-s3alias)(?<!-ext-s3alias)`

RecoveryPointArn

The Amazon Resource Name (ARN) of the recovery point that the backup access point provides access to.

Type: String

Pattern: `(arn:aws[a-z-]*:[a-z-\d]+:[a-z-\d]+:).+`

ResourceArn

The Amazon Resource Name (ARN) of the resource that was backed up, such as an Amazon S3 bucket.

Type: String

Pattern: `(arn:aws[a-z-]*:[a-z-\d]+:).+`

ResourceType

The type of AWS resource associated with the recovery point. For example, S3 for Amazon Simple Storage Service.

Type: String

Status

The current status of the backup access point.

Type: String

Valid Values: `AVAILABLE | CREATING | DELETING | DISASSOCIATED | DISASSOCIATING | EXPIRED | FAILED`

StatusMessage

A message that provides additional detail about the status of the backup access point, such as the reason a creation or deletion attempt failed.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeBackupJob

Service: AWS Backup

Returns backup job details for the specified `BackupJobId`.

Request Syntax

```
GET /backup-jobs/backupJobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupJobId

Uniquely identifies a request to AWS Backup to back up a resource.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AccountId": "string",
   "BackupJobId": "string",
   "BackupOptions": {
      "string" : "string"
   },
   "BackupSizeInBytes": number,
   "BackupType": "string",
   "BackupVaultArn": "string",
   "BackupVaultName": "string",
   "BytesTransferred": number,
   "ChildJobsInState": {
      "string" : number
   },
```

```
    "CompletionDate": number,
    "CreatedBy": {
       "BackupPlanArn": "string",
       "BackupPlanId": "string",
       "BackupPlanName": "string",
       "BackupPlanVersion": "string",
       "BackupRuleCron": "string",
       "BackupRuleId": "string",
       "BackupRuleName": "string",
       "BackupRuleTimezone": "string"
    },
    "CreationDate": number,
    "EncryptionKeyArn": "string",
    "ExpectedCompletionDate": number,
    "IamRoleArn": "string",
    "InitiationDate": number,
    "IsEncrypted": boolean,
    "IsParent": boolean,
    "MessageCategory": "string",
    "NumberOfChildJobs": number,
    "ParentJobId": "string",
    "PercentDone": "string",
    "RecoveryPointArn": "string",
    "RecoveryPointLifecycle": {
       "DeleteAfterDays": number,
       "DeleteAfterEvent": "string",
       "MoveToColdStorageAfterDays": number,
       "OptInToArchiveForSupportedResources": boolean
    },
    "ResourceArn": "string",
    "ResourceName": "string",
    "ResourceType": "string",
    "StartBy": number,
    "State": "string",
    "StatusMessage": "string",
    "VaultLockState": "string",
    "VaultType": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AccountId

Returns the account ID that owns the backup job.

Type: String

Pattern: `^[0-9]{12}$`

BackupJobId

Uniquely identifies a request to AWS Backup to back up a resource.

Type: String

BackupOptions

Represents the options specified as part of backup plan or on-demand backup job.

Type: String to string map

Key Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Value Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

BackupSizeInBytes

The size, in bytes, of a backup (recovery point).

This value can render differently depending on the resource type as AWS Backup pulls in data information from other AWS services. For example, the value returned may show a value of `0`, which may differ from the anticipated value.

The expected behavior for values by resource type are described as follows:

- Amazon Aurora, Amazon DocumentDB, and Amazon Neptune do not have this value populate from the operation `GetBackupJobStatus`.
- For Amazon DynamoDB with advanced features, this value refers to the size of the recovery point (backup).
- Amazon EC2 and Amazon EBS show volume size (provisioned storage) returned as part of this value. Amazon EBS does not return backup size information; snapshot size will have the same value as the original resource that was backed up.
- For Amazon EFS, this value refers to the delta bytes transferred during a backup.
- For Amazon EKS, this value refers to the size of your nested EKS recovery point.

- Amazon FSx does not populate this value from the operation `GetBackupJobStatus` for FSx file systems.
- An Amazon RDS instance will show as `0`.
- For virtual machines running VMware, this value is passed to AWS Backup through an asynchronous workflow, which can mean this displayed value can under-represent the actual backup size.

Type: Long

BackupType

Represents the actual backup type selected for a backup job. For example, if a successful Windows Volume Shadow Copy Service (VSS) backup was taken, `BackupType` returns `"WindowsVSS"`. If `BackupType` is empty, then the backup type was a regular backup.

Type: String

BackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

BytesTransferred

The size in bytes transferred to a backup vault at the time that the job status was queried.

Type: Long

ChildJobsInState

This returns the statistics of the included child (nested) backup jobs.

Type: String to long map

Valid Keys: `CREATED | PENDING | RUNNING | ABORTING | ABORTED | COMPLETED | FAILED | EXPIRED | PARTIAL`

CompletionDate

The date and time that a job to create a backup job is completed, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

CreatedBy

Contains identifying information about the creation of a backup job, including the `BackupPlanArn`, `BackupPlanId`, `BackupPlanVersion`, and `BackupRuleId` of the backup plan that is used to create it.

Type: RecoveryPointCreator object

CreationDate

The date and time that a backup job is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

EncryptionKeyArn

The Amazon Resource Name (ARN) of the KMS key used to encrypt the backup. This can be a customer-managed key or an AWS managed key, depending on the vault configuration.

Type: String

ExpectedCompletionDate

The date and time that a job to back up resources is expected to be completed, in Unix format and Coordinated Universal Time (UTC). The value of `ExpectedCompletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

IamRoleArn

Specifies the IAM role ARN used to create the target recovery point; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

InitiationDate

The date a backup job was initiated.

Type: Timestamp

IsEncrypted

A boolean value indicating whether the backup is encrypted. All backups in AWS Backup are encrypted, but this field indicates the encryption status for transparency.

Type: Boolean

IsParent

This returns the boolean value that a backup job is a parent (composite) job.

Type: Boolean

MessageCategory

The job count for the specified message category.

Example strings may include `AccessDenied`, `SUCCESS`, `AGGREGATE_ALL`, and `INVALIDPARAMETERS`. View Monitoring for a list of accepted MessageCategory strings.

Type: String

NumberOfChildJobs

This returns the number of child (nested) backup jobs.

Type: Long

ParentJobId

This returns the parent (composite) resource backup job ID.

Type: String

PercentDone

Contains an estimated percentage that is complete of a job at the time the job status was queried.

Type: String

RecoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

RecoveryPointLifecycle

Specifies the time period, in days, before a recovery point transitions to cold storage or is deleted.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, on the console, the retention setting must be 90 days greater than the transition to cold after days setting. The transition to cold after days setting can't be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

To remove the existing lifecycle and retention periods and keep your recovery points indefinitely, specify -1 for `MoveToColdStorageAfterDays` and `DeleteAfterDays`.

Type: Lifecycle object

ResourceArn

An ARN that uniquely identifies a saved resource. The format of the ARN depends on the resource type.

Type: String

ResourceName

The non-unique name of the resource that belongs to the specified backup.

Type: String

ResourceType

The type of AWS resource to be backed up; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

StartBy

Specifies the time in Unix format and Coordinated Universal Time (UTC) when a backup job must be started before it is canceled. The value is calculated by adding the start window to the scheduled time. So if the scheduled time were 6:00 PM and the start window is 2 hours, the `StartBy` time would be 8:00 PM on the date specified. The value of `StartBy` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

State

The current state of a backup job.

Type: String

Valid Values: `CREATED | PENDING | RUNNING | ABORTING | ABORTED | COMPLETED | FAILED | EXPIRED | PARTIAL`

StatusMessage

A detailed message explaining the status of the job to back up a resource.

Type: String

VaultLockState

The lock state of the backup vault. For logically air-gapped vaults, this indicates whether the vault is locked in compliance mode. Valid values include `LOCKED` and `UNLOCKED`.

Type: String

VaultType

The type of backup vault where the recovery point is stored. Valid values are BACKUP_VAULT for standard backup vaults and LOGICALLY_AIR_GAPPED_BACKUP_VAULT for logically air-gapped vaults.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

DependencyFailureException

A dependent AWS service or resource returned an error to the AWS Backup service, and the action cannot be completed.

Context

Type

HTTP Status Code: 500

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeBackupVault

Service: AWS Backup

Returns metadata about a backup vault specified by its name.

Request Syntax

```
GET /backup-vaults/backupVaultName?backupVaultAccountId=BackupVaultAccountId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

BackupVaultAccountId

The account ID of the specified backup vault.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupVaultArn": "string",
   "BackupVaultName": "string",
   "CreationDate": number,
   "CreatorRequestId": "string",
   "EncryptionKeyArn": "string",
   "EncryptionKeyType": "string",
   "LatestMpaApprovalTeamUpdate": {
```

```
        "ExpiryDate": number,
        "InitiationDate": number,
        "MpaSessionArn": "string",
        "Status": "string",
        "StatusMessage": "string"
    },
    "LockDate": number,
    "Locked": boolean,
    "MaxRetentionDays": number,
    "MinRetentionDays": number,
    "MpaApprovalTeamArn": "string",
    "MpaSessionArn": "string",
    "NumberOfRecoveryPoints": number,
    "SourceBackupVaultArn": "string",
    "VaultState": "string",
    "VaultType": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the Region where they are created.

Type: String

CreationDate

The date and time that a backup vault is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

CreatorRequestId

A unique string that identifies the request and allows failed requests to be retried without the risk of running the operation twice. This parameter is optional. If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

EncryptionKeyArn

The server-side encryption key that is used to protect your backups; for example, `arn:aws:kms:us-west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab`.

Type: String

EncryptionKeyType

The type of encryption key used for the backup vault. Valid values are CUSTOMER_MANAGED_KMS_KEY for customer-managed keys or AWS_OWNED_KMS_KEY for AWS-owned keys.

Type: String

Valid Values: `AWS_OWNED_KMS_KEY | CUSTOMER_MANAGED_KMS_KEY`

LatestMpaApprovalTeamUpdate

Information about the latest update to the MPA approval team association for this backup vault.

Type: LatestMpaApprovalTeamUpdate object

LockDate

The date and time when AWS Backup Vault Lock configuration cannot be changed or deleted.

If you applied Vault Lock to your vault without specifying a lock date, you can change any of your Vault Lock settings, or delete Vault Lock from the vault entirely, at any time.

This value is in Unix format, Coordinated Universal Time (UTC), and accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Locked

A Boolean that indicates whether AWS Backup Vault Lock is currently protecting the backup vault. `True` means that Vault Lock causes delete or update operations on the recovery points stored in the vault to fail.

Type: Boolean

MaxRetentionDays

The AWS Backup Vault Lock setting that specifies the maximum retention period that the vault retains its recovery points. If this parameter is not specified, Vault Lock does not enforce a maximum retention period on the recovery points in the vault (allowing indefinite storage).

If specified, any backup or copy job to the vault must have a lifecycle policy with a retention period equal to or shorter than the maximum retention period. If the job's retention period is longer than that maximum retention period, then the vault fails the backup or copy job, and you should either modify your lifecycle settings or use a different vault. Recovery points already stored in the vault prior to Vault Lock are not affected.

Type: Long

MinRetentionDays

The AWS Backup Vault Lock setting that specifies the minimum retention period that the vault retains its recovery points. If this parameter is not specified, Vault Lock will not enforce a minimum retention period.

If specified, any backup or copy job to the vault must have a lifecycle policy with a retention period equal to or longer than the minimum retention period. If the job's retention period is shorter than that minimum retention period, then the vault fails the backup or copy job, and you should either modify your lifecycle settings or use a different vault. Recovery points already stored in the vault prior to Vault Lock are not affected.

Type: Long

MpaApprovalTeamArn

The ARN of the MPA approval team associated with this backup vault.

Type: String

MpaSessionArn

The ARN of the MPA session associated with this backup vault.

Type: String

NumberOfRecoveryPoints

The number of recovery points that are stored in a backup vault.

Recovery point count value displayed in the console can be an approximation. Use `ListRecoveryPointsByBackupVault` API to obtain the exact count.

Type: Long

SourceBackupVaultArn

The ARN of the source backup vault from which this restore access backup vault was created.

Type: String

VaultState

The current state of the vault.->

Type: String

Valid Values: `CREATING | AVAILABLE | FAILED`

VaultType

The type of vault described.

Type: String

Valid Values: `BACKUP_VAULT | LOGICALLY_AIR_GAPPED_BACKUP_VAULT | RESTORE_ACCESS_BACKUP_VAULT`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeCopyJob

Service: AWS Backup

Returns metadata associated with creating a copy of a resource.

Request Syntax

```
GET /copy-jobs/copyJobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

copyJobId

Uniquely identifies a copy job.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CopyJob": {
      "AccountId": "string",
      "BackupSizeInBytes": number,
      "ChildJobsInState": {
         "string" : number
      },
      "CompletionDate": number,
      "CompositeMemberIdentifier": "string",
      "CopyJobId": "string",
      "CreatedBy": {
         "BackupPlanArn": "string",
         "BackupPlanId": "string",
```

```
            "BackupPlanName": "string",
            "BackupPlanVersion": "string",
            "BackupRuleCron": "string",
            "BackupRuleId": "string",
            "BackupRuleName": "string",
            "BackupRuleTimezone": "string"
         },
         "CreatedByBackupJobId": "string",
         "CreationDate": number,
         "DestinationBackupVaultArn": "string",
         "DestinationEncryptionKeyArn": "string",
         "DestinationRecoveryPointArn": "string",
         "DestinationRecoveryPointLifecycle": {
            "DeleteAfterDays": number,
            "DeleteAfterEvent": "string",
            "MoveToColdStorageAfterDays": number,
            "OptInToArchiveForSupportedResources": boolean
         },
         "DestinationVaultLockState": "string",
         "DestinationVaultType": "string",
         "IamRoleArn": "string",
         "IsParent": boolean,
         "MessageCategory": "string",
         "NumberOfChildJobs": number,
         "ParentJobId": "string",
         "ResourceArn": "string",
         "ResourceName": "string",
         "ResourceType": "string",
         "SourceBackupVaultArn": "string",
         "SourceRecoveryPointArn": "string",
         "State": "string",
         "StatusMessage": "string"
      }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CopyJob

Contains detailed information about a copy job.

Type: CopyJob object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeFramework

Service: AWS Backup

Returns the framework details for the specified `FrameworkName`.

Request Syntax

```
GET /audit/frameworks/frameworkName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

frameworkName

The unique name of a framework.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CreationTime": number,
   "DeploymentStatus": "string",
   "FrameworkArn": "string",
   "FrameworkControls": [
      {
         "ControlInputParameters": [
            {
               "ParameterName": "string",
               "ParameterValue": "string"
```

```
            }
         ],
         "ControlName": "string",
         "ControlScope": {
            "ComplianceResourceIds": [ "string" ],
            "ComplianceResourceTypes": [ "string" ],
            "Tags": {
               "string" : "string"
            }
         }
      }
   ],
   "FrameworkDescription": "string",
   "FrameworkName": "string",
   "FrameworkStatus": "string",
   "IdempotencyToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreationTime

The date and time that a framework is created, in ISO 8601 representation. The value of `CreationTime` is accurate to milliseconds. For example, 2020-07-10T15:00:00.000-08:00 represents the 10th of July 2020 at 3:00 PM 8 hours behind UTC.

Type: Timestamp

DeploymentStatus

The deployment status of a framework. The statuses are:

`CREATE_IN_PROGRESS | UPDATE_IN_PROGRESS | DELETE_IN_PROGRESS | COMPLETED | FAILED`

Type: String

FrameworkArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

FrameworkControls

The controls that make up the framework. Each control in the list has a name, input parameters, and scope.

Type: Array of FrameworkControl objects

FrameworkDescription

An optional description of the framework.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

FrameworkName

The unique name of a framework.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

FrameworkStatus

A framework consists of one or more controls. Each control governs a resource, such as backup plans, backup selections, backup vaults, or recovery points. You can also turn AWS Config recording on or off for each resource. The statuses are:

- `ACTIVE` when recording is turned on for all resources governed by the framework.
- `PARTIALLY_ACTIVE` when recording is turned off for at least one resource governed by the framework.
- `INACTIVE` when recording is turned off for all resources governed by the framework.
- `UNAVAILABLE` when AWS Backup is unable to validate recording status at this time.

Type: String

IdempotencyToken

A customer-chosen string that you can use to distinguish between otherwise identical calls to `DescribeFrameworkOutput`. Retrying a successful request with the same idempotency token results in a success message with no action taken.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeGlobalSettings

Service: AWS Backup

Describes whether the AWS account has enabled different cross-account management options, including cross-account backup, multi-party approval, and delegated administrator. Returns an error if the account is not a member of an Organizations organization. Example: `describe-global-settings --region us-west-2`

Request Syntax

```
GET /global-settings HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "GlobalSettings": {
      "string" : "string"
   },
   "LastUpdateTime": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GlobalSettings

The status of the flags `isCrossAccountBackupEnabled`, `isMpaEnabled` ('Mpa' refers to multi-party approval), and `isDelegatedAdministratorEnabled`.

- `isCrossAccountBackupEnabled`: Allow accounts in your organization to copy backups to other accounts.
- `isMpaEnabled`: Add cross-account access to your organization with the option to assign a Multi-party approval team to a logically air-gapped vault.
- `isDelegatedAdministratorEnabled`: Allow Backup to automatically synchronize delegated administrator permissions with Organizations.

Type: String to string map

LastUpdateTime

The date and time that the supported flags were last updated. This update is in Unix format and Coordinated Universal Time (UTC). The value of `LastUpdateTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeProtectedResource

Service: AWS Backup

Returns information about a saved resource, including the last time it was backed up, its Amazon Resource Name (ARN), and the AWS service type of the saved resource.

Request Syntax

```
GET /resources/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "LastBackupTime": number,
   "LastBackupVaultArn": "string",
   "LastRecoveryPointArn": "string",
   "LatestRestoreExecutionTimeMinutes": number,
   "LatestRestoreJobCreationDate": number,
   "LatestRestoreRecoveryPointCreationDate": number,
   "ResourceArn": "string",
   "ResourceName": "string",
   "ResourceType": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LastBackupTime

The date and time that a resource was last backed up, in Unix format and Coordinated Universal Time (UTC). The value of `LastBackupTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

LastBackupVaultArn

The ARN (Amazon Resource Name) of the backup vault that contains the most recent backup recovery point.

Type: String

LastRecoveryPointArn

The ARN (Amazon Resource Name) of the most recent recovery point.

Type: String

LatestRestoreExecutionTimeMinutes

The time, in minutes, that the most recent restore job took to complete.

Type: Long

LatestRestoreJobCreationDate

The creation date of the most recent restore job.

Type: Timestamp

LatestRestoreRecoveryPointCreationDate

The date the most recent recovery point was created.

Type: Timestamp

ResourceArn

An ARN that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

ResourceName

The name of the resource that belongs to the specified backup.

Type: String

ResourceType

The type of AWS resource saved as a recovery point; for example, an Amazon EBS volume or an Amazon RDS database.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeRecoveryPoint

Service: AWS Backup

Returns metadata associated with a recovery point, including ID, status, encryption, and lifecycle.

Request Syntax

```
GET /backup-vaults/backupVaultName/recovery-points/recoveryPointArn?
backupVaultAccountId=BackupVaultAccountId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

BackupVaultAccountId

The account ID of the specified backup vault.

Pattern: `^[0-9]{12}$`

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

recoveryPointArn

An Amazon Resource Name (ARN) that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupSizeInBytes": number,
   "BackupVaultArn": "string",
   "BackupVaultName": "string",
   "CalculatedLifecycle": {
      "DeleteAt": number,
      "MoveToColdStorageAt": number
   },
   "CompletionDate": number,
   "CompositeMemberIdentifier": "string",
   "CreatedBy": {
      "BackupPlanArn": "string",
      "BackupPlanId": "string",
      "BackupPlanName": "string",
      "BackupPlanVersion": "string",
      "BackupRuleCron": "string",
      "BackupRuleId": "string",
      "BackupRuleName": "string",
      "BackupRuleTimezone": "string"
   },
   "CreationDate": number,
   "EncryptionKeyArn": "string",
   "EncryptionKeyType": "string",
   "IamRoleArn": "string",
   "IndexStatus": "string",
   "IndexStatusMessage": "string",
   "InitiationDate": number,
   "IsEncrypted": boolean,
   "IsParent": boolean,
   "LastRestoreTime": number,
   "Lifecycle": {
      "DeleteAfterDays": number,
      "DeleteAfterEvent": "string",
      "MoveToColdStorageAfterDays": number,
      "OptInToArchiveForSupportedResources": boolean
   },
   "ParentRecoveryPointArn": "string",
   "RecoveryPointArn": "string",
```

```
   "ResourceArn": "string",
   "ResourceName": "string",
   "ResourceType": "string",
   "ScanResults": [
      {
         "Findings": [ "string" ],
         "LastScanTimestamp": number,
         "MalwareScanner": "string",
         "ScanJobState": "string"
      }
   ],
   "SourceBackupVaultArn": "string",
   "Status": "string",
   "StatusMessage": "string",
   "StorageClass": "string",
   "VaultType": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupSizeInBytes

The size, in bytes, of a backup.

Type: Long

BackupVaultArn

An ARN that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

CalculatedLifecycle

A `CalculatedLifecycle` object containing `DeleteAt` and `MoveToColdStorageAt` timestamps.

Type: CalculatedLifecycle object

CompletionDate

The date and time that a job to create a recovery point is completed, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

CompositeMemberIdentifier

The identifier of a resource within a composite group, such as nested (child) recovery point belonging to a composite (parent) stack. The ID is transferred from the logical ID within a stack.

Type: String

CreatedBy

Contains identifying information about the creation of a recovery point, including the `BackupPlanArn`, `BackupPlanId`, `BackupPlanVersion`, and `BackupRuleId` of the backup plan used to create it.

Type: RecoveryPointCreator object

CreationDate

The date and time that a recovery point is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

EncryptionKeyArn

The server-side encryption key used to protect your backups; for example, `arn:aws:kms:us-west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab`.

Type: String

EncryptionKeyType

The type of encryption key used for the recovery point. Valid values are CUSTOMER_MANAGED_KMS_KEY for customer-managed keys or AWS_OWNED_KMS_KEY for AWS-owned keys.

Type: String

Valid Values: `AWS_OWNED_KMS_KEY | CUSTOMER_MANAGED_KMS_KEY`

IamRoleArn

Specifies the IAM role ARN used to create the target recovery point; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

IndexStatus

This is the current status for the backup index associated with the specified recovery point.

Statuses are: `PENDING` | `ACTIVE` | `FAILED` | `DELETING`

A recovery point with an index that has the status of `ACTIVE` can be included in a search.

Type: String

Valid Values: `PENDING | ACTIVE | FAILED | DELETING`

IndexStatusMessage

A string in the form of a detailed message explaining the status of a backup index associated with the recovery point.

Type: String

InitiationDate

The date and time when the backup job that created this recovery point was initiated, in Unix format and Coordinated Universal Time (UTC).

Type: Timestamp

IsEncrypted

A Boolean value that is returned as TRUE if the specified recovery point is encrypted, or FALSE if the recovery point is not encrypted.

Type: Boolean

IsParent

This returns the boolean value that a recovery point is a parent (composite) job.

Type: Boolean

LastRestoreTime

The date and time that a recovery point was last restored, in Unix format and Coordinated Universal Time (UTC). The value of `LastRestoreTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Lifecycle

The lifecycle defines when a protected resource is transitioned to cold storage and when it expires. AWS Backup transitions and expires backups automatically according to the lifecycle that you define.

Backups that are transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, the “retention” setting must be 90 days greater than the “transition to cold after days” setting. The “transition to cold after days” setting cannot be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

Type: Lifecycle object

ParentRecoveryPointArn

This is an ARN that uniquely identifies a parent (composite) recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

RecoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

ResourceArn

An ARN that uniquely identifies a saved resource. The format of the ARN depends on the resource type.

Type: String

ResourceName

The name of the resource that belongs to the specified backup.

Type: String

ResourceType

The type of AWS resource to save as a recovery point; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

ScanResults

Contains the latest scanning results against the recovery point and currently include `MalwareScanner`, `ScanJobState`, `Findings`, and `LastScanTimestamp`

Type: Array of ScanResult objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

SourceBackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies the source vault where the resource was originally backed up in; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`. If the recovery is restored to the same AWS account or Region, this value will be `null`.

Type: String

Status

A status code specifying the state of the recovery point. For more information, see Recovery point status in the *AWS Backup Developer Guide*.

- `CREATING` status indicates that an AWS Backup job has been initiated for a resource. The backup process has started and is actively processing a backup job for the associated recovery point.
- `AVAILABLE` status indicates that the backup was successfully created for the recovery point. The backup process has completed without any issues, and the recovery point is now ready for use.
- `PARTIAL` status indicates a composite recovery point has one or more nested recovery points that were not in the backup.
- `EXPIRED` status indicates that the recovery point has exceeded its retention period, but AWS Backup lacks permission or is otherwise unable to delete it. To manually delete these recovery points, see Step 3: Delete the recovery points in the *Clean up resources* section of *Getting started*.
- `STOPPED` status occurs on a continuous backup where a user has taken some action that causes the continuous backup to be disabled. This can be caused by the removal of permissions, turning off versioning, turning off events being sent to EventBridge, or disabling the EventBridge rules that are put in place by AWS Backup. For recovery points of Amazon S3, Amazon RDS, and Amazon Aurora resources, this status occurs when the retention period of a continuous backup rule is changed.

  To resolve `STOPPED` status, ensure that all requested permissions are in place and that versioning is enabled on the S3 bucket. Once these conditions are met, the next instance of a backup rule running will result in a new continuous recovery point being created. The recovery points with STOPPED status do not need to be deleted.

  For SAP HANA on Amazon EC2 `STOPPED` status occurs due to user action, application misconfiguration, or backup failure. To ensure that future continuous backups succeed, refer to the recovery point status and check SAP HANA for details.

Type: String

Valid Values: `COMPLETED | PARTIAL | DELETING | EXPIRED | AVAILABLE | STOPPED | CREATING`

StatusMessage

A status message explaining the status of the recovery point.

Type: String

StorageClass

Specifies the storage class of the recovery point. Valid values are `WARM` or `COLD`.

Type: String

Valid Values: `WARM | COLD | DELETED`

VaultType

The type of vault in which the described recovery point is stored.

Type: String

Valid Values: `BACKUP_VAULT | LOGICALLY_AIR_GAPPED_BACKUP_VAULT | RESTORE_ACCESS_BACKUP_VAULT`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

DescribeRegionSettings

Service: AWS Backup

Returns the current service opt-in settings for the Region. If service opt-in is enabled for a service, AWS Backup tries to protect that service's resources in this Region, when the resource is included in an on-demand backup or scheduled backup plan. Otherwise, AWS Backup does not try to protect that service's resources in this Region.

Request Syntax

```
GET /account-settings HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ResourceTypeManagementPreference": {
      "string" : boolean
   },
   "ResourceTypeOptInPreference": {
      "string" : boolean
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResourceTypeManagementPreference

Returns whether AWS Backup fully manages the backups for a resource type.

For the benefits of full AWS Backup management, see Full AWS Backup management.

For a list of resource types and whether each supports full AWS Backup management, see the Feature availability by resource table.

If `"DynamoDB":false`, you can enable full AWS Backup management for DynamoDB backup by enabling AWS Backup's advanced DynamoDB backup features.

Type: String to boolean map

Key Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

ResourceTypeOptInPreference

The services along with the opt-in preferences in the Region.

Type: String to boolean map

Key Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Errors

For information about the errors that are common to all actions, see Common Error Types.

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeReportJob

Service: AWS Backup

Returns the details associated with creating a report as specified by its `ReportJobId`.

Request Syntax

```
GET /audit/report-jobs/reportJobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

reportJobId

The identifier of the report job. A unique, randomly generated, Unicode, UTF-8 encoded string that is at most 1,024 bytes long. The report job ID cannot be edited.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ReportJob": {
      "CompletionTime": number,
      "CreationTime": number,
      "ReportDestination": {
         "S3BucketName": "string",
         "S3Keys": [ "string" ]
      },
      "ReportJobId": "string",
      "ReportPlanArn": "string",
      "ReportTemplate": "string",
      "Status": "string",
```

```
        "StatusMessage": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ReportJob

The information about a report job, including its completion and creation times, report destination, unique report job ID, Amazon Resource Name (ARN), report template, status, and status message.

Type: ReportJob object

Errors

For information about the errors that are common to all actions, see Common Error Types.

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeReportPlan

Service: AWS Backup

Returns a list of all report plans for an AWS account and AWS Region.

Request Syntax

```
GET /audit/report-plans/reportPlanName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

reportPlanName

The unique name of a report plan.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ReportPlan": {
      "CreationTime": number,
      "DeploymentStatus": "string",
      "LastAttemptedExecutionTime": number,
      "LastSuccessfulExecutionTime": number,
      "ReportDeliveryChannel": {
         "Formats": [ "string" ],
         "S3BucketName": "string",
```

```
         "S3KeyPrefix": "string"
      },
      "ReportPlanArn": "string",
      "ReportPlanDescription": "string",
      "ReportPlanName": "string",
      "ReportSetting": {
         "Accounts": [ "string" ],
         "FrameworkArns": [ "string" ],
         "NumberOfFrameworks": number,
         "OrganizationUnits": [ "string" ],
         "Regions": [ "string" ],
         "ReportTemplate": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ReportPlan

Returns details about the report plan that is specified by its name. These details include the report plan's Amazon Resource Name (ARN), description, settings, delivery channel, deployment status, creation time, and last attempted and successful run times.

Type: ReportPlan object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeRestoreJob

Service: AWS Backup

Returns metadata associated with a restore job that is specified by a job ID.

Request Syntax

```
GET /restore-jobs/restoreJobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

restoreJobId

Uniquely identifies the job that restores a recovery point.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AccountId": "string",
   "BackupSizeInBytes": number,
   "BackupVaultArn": "string",
   "CompletionDate": number,
   "CreatedBy": {
      "RestoreTestingPlanArn": "string"
   },
   "CreatedResourceArn": "string",
   "CreationDate": number,
   "DeletionStatus": "string",
   "DeletionStatusMessage": "string",
   "ExpectedCompletionTimeMinutes": number,
   "IamRoleArn": "string",
```

```
    "IsParent": boolean,
    "ParentJobId": "string",
    "PercentDone": "string",
    "RecoveryPointArn": "string",
    "RecoveryPointCreationDate": number,
    "ResourceType": "string",
    "RestoreJobId": "string",
    "SourceResourceArn": "string",
    "Status": "string",
    "StatusMessage": "string",
    "ValidationStatus": "string",
    "ValidationStatusMessage": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AccountId

Returns the account ID that owns the restore job.

Type: String

Pattern: `^[0-9]{12}$`

BackupSizeInBytes

The size, in bytes, of the restored resource.

Type: Long

BackupVaultArn

The Amazon Resource Name (ARN) of the backup vault containing the recovery point being restored. This helps identify vault access policies and permissions.

Type: String

CompletionDate

The date and time that a job to restore a recovery point is completed, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

CreatedBy

Contains identifying information about the creation of a restore job.

Type: RestoreJobCreator object

CreatedResourceArn

The Amazon Resource Name (ARN) of the resource that was created by the restore job.

The format of the ARN depends on the resource type of the backed-up resource.

Type: String

CreationDate

The date and time that a restore job is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

DeletionStatus

The status of the data generated by the restore test.

Type: String

Valid Values: `DELETING | FAILED | SUCCESSFUL`

DeletionStatusMessage

This describes the restore job deletion status.

Type: String

ExpectedCompletionTimeMinutes

The amount of time in minutes that a job restoring a recovery point is expected to take.

Type: Long

IamRoleArn

Specifies the IAM role ARN used to create the target recovery point; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

IsParent

This is a boolean value indicating whether the restore job is a parent (composite) restore job.

Type: Boolean

ParentJobId

This is the unique identifier of the parent restore job for the selected restore job.

Type: String

PercentDone

Contains an estimated percentage that is complete of a job at the time the job status was queried.

Type: String

RecoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

RecoveryPointCreationDate

The creation date of the recovery point made by the specifed restore job.

Type: Timestamp

ResourceType

Returns metadata associated with a restore job listed by resource type.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

RestoreJobId

Uniquely identifies the job that restores a recovery point.

Type: String

SourceResourceArn

The Amazon Resource Name (ARN) of the original resource that was backed up. This provides context about what resource is being restored.

Type: String

Status

Status code specifying the state of the job that is initiated by AWS Backup to restore a recovery point.

Type: String

Valid Values: `PENDING | RUNNING | COMPLETED | ABORTED | FAILED`

StatusMessage

A message showing the status of a job to restore a recovery point.

Type: String

ValidationStatus

The status of validation run on the indicated restore job.

Type: String

Valid Values: `FAILED | SUCCESSFUL | TIMED_OUT | VALIDATING`

ValidationStatusMessage

The status message.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

DependencyFailureException

A dependent AWS service or resource returned an error to the AWS Backup service, and the action cannot be completed.

Context

Type

HTTP Status Code: 500

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeScanJob

Service: AWS Backup

Returns scan job details for the specified ScanJobID.

Request Syntax

```
GET /scan/jobs/ScanJobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ScanJobId

Uniquely identifies a request to AWS Backup to scan a resource.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AccountId": "string",
   "BackupVaultArn": "string",
   "BackupVaultName": "string",
   "CompletionDate": number,
   "ContinuousScanEndTime": number,
   "ContinuousScanStartTime": number,
   "CreatedBy": {
      "BackupPlanArn": "string",
      "BackupPlanId": "string",
      "BackupPlanVersion": "string",
      "BackupRuleId": "string"
   },
```

```
   "CreationDate": number,
   "IamRoleArn": "string",
   "MalwareScanner": "string",
   "RecoveryPointArn": "string",
   "ResourceArn": "string",
   "ResourceName": "string",
   "ResourceType": "string",
   "ScanBaseRecoveryPointArn": "string",
   "ScanId": "string",
   "ScanJobId": "string",
   "ScanMode": "string",
   "ScannerRoleArn": "string",
   "ScanResult": {
      "ScanResultStatus": "string"
   },
   "State": "string",
   "StatusMessage": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AccountId

Returns the account ID that owns the scan job.

Pattern: `^[0-9]{12}$`

Type: String

BackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`

Type: String

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_\.]{2,50}$`

Type: String

CompletionDate

The date and time that a backup index finished creation, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

ContinuousScanEndTime

The point in time the scan job scanned up to for a continuous backup.

Type: Timestamp

ContinuousScanStartTime

The point in time the scan job started scan from for a continuous backup.

Type: Timestamp

CreatedBy

Contains identifying information about the creation of a scan job, including the backup plan and rule that initiated the scan.

Type: ScanJobCreator object

CreationDate

The date and time that a backup index finished creation, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

IamRoleArn

An Amazon Resource Name (ARN) that uniquely identifies a backup vault; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

MalwareScanner

The scanning engine used for the corresponding scan job. Currently only GUARDUTY is supported.

Type: String

Valid Values: GUARDDUTY

RecoveryPointArn

An ARN that uniquely identifies the target recovery point for scanning.; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

ResourceArn

An ARN that uniquely identifies the source resource of the corresponding recovery point ARN.

Type: String

ResourceName

The non-unique name of the resource that belongs to the specified backup.

Type: String

ResourceType

The type of AWS Resource to be backed up; for example, an Amazon Elastic Block Store (Amazon EBS) volume.

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Type: String

Valid Values: `EBS | EC2 | S3`

ScanBaseRecoveryPointArn

An ARN that uniquely identifies the base recovery point for scanning. This field will only be populated when an incremental scan job has taken place.

Type: String

ScanId

The scan ID generated by Amazon GuardDuty for the corresponding Scan Job ID request from AWS Backup.

Type: String

ScanJobId

The scan job ID that uniquely identified the request to AWS Backup.

Type: String

ScanMode

Specifies the scan type used for the scan job.

Type: String

Valid Values: `FULL_SCAN | INCREMENTAL_SCAN`

ScannerRoleArn

Specifies the scanner IAM role ARN used to for the scan job.

Type: String

ScanResult

Contains the `ScanResultsStatus` for the scanning job and returns `THREATS_FOUND` or `NO_THREATS_FOUND` for completed jobs.

Type: ScanResultInfo object

State

The current state of a scan job.

Type: String

Valid Values: `CANCELED | COMPLETED | COMPLETED_WITH_ISSUES | CREATED | FAILED | RUNNING`

StatusMessage

A detailed message explaining the status of the job to back up a resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DisassociateBackupVaultMpaApprovalTeam

Service: AWS Backup

Removes the association between an MPA approval team and a backup vault, disabling the MPA approval workflow for restore operations.

Request Syntax

```
POST /backup-vaults/backupVaultName/mpaApprovalTeam?delete HTTP/1.1
Content-type: application/json

{
   "RequesterComment": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of the backup vault from which to disassociate the MPA approval team.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

RequesterComment

An optional comment explaining the reason for disassociating the MPA approval team from the backup vault.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DisassociateRecoveryPoint

Service: AWS Backup

Deletes the specified continuous backup recovery point from AWS Backup and releases control of that continuous backup to the source service, such as Amazon RDS. The source service will continue to create and retain continuous backups using the lifecycle that you specified in your original backup plan.

Does not support snapshot backup recovery points.

Request Syntax

```
POST /backup-vaults/backupVaultName/recovery-points/recoveryPointArn/disassociate
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The unique name of an AWS Backup vault.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

recoveryPointArn

An Amazon Resource Name (ARN) that uniquely identifies an AWS Backup recovery point.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

InvalidResourceStateException

AWS Backup is already performing an action on this recovery point. It can't perform the action you requested until the first action finishes. Try again later.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DisassociateRecoveryPointFromParent

Service: AWS Backup

This action to a specific child (nested) recovery point removes the relationship between the specified recovery point and its parent (composite) recovery point.

Request Syntax

```
DELETE /backup-vaults/backupVaultName/recovery-points/recoveryPointArn/
parentAssociation HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where the child (nested) recovery point is stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

recoveryPointArn

The Amazon Resource Name (ARN) that uniquely identifies the child (nested) recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ExportBackupPlanTemplate

Service: AWS Backup

Returns the backup plan that is specified by the plan ID as a backup template.

Request Syntax

```
GET /backup/plans/backupPlanId/toTemplate/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupPlanId

Uniquely identifies a backup plan.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupPlanTemplateJson": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupPlanTemplateJson

The body of a backup plan template in JSON format.

> **Note**
>
> This is a signed JSON document that cannot be modified before being passed to `GetBackupPlanFromJSON`.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetBackupPlan

Service: AWS Backup

Returns `BackupPlan` details for the specified `BackupPlanId`. The details are the body of a backup plan in JSON format, in addition to plan metadata.

Request Syntax

```
GET /backup/plans/backupPlanId/?
MaxScheduledRunsPreview=MaxScheduledRunsPreview&versionId=VersionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupPlanId

Uniquely identifies a backup plan.

Required: Yes

MaxScheduledRunsPreview

Number of future scheduled backup runs to preview. When set to 0 (default), no scheduled runs preview is included in the response. Valid range is 0-10.

Valid Range: Minimum value of 0. Maximum value of 10.

VersionId

Unique, randomly generated, Unicode, UTF-8 encoded strings that are at most 1,024 bytes long. Version IDs cannot be edited.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "AdvancedBackupSettings": [
      {
         "BackupOptions": {
            "string" : "string"
         },
         "ResourceType": "string"
      }
   ],
   "BackupPlan": {
      "AdvancedBackupSettings": [
         {
            "BackupOptions": {
               "string" : "string"
            },
            "ResourceType": "string"
         }
      ],
      "BackupPlanName": "string",
      "Rules": [
         {
            "CompletionWindowMinutes": number,
            "CopyActions": [
               {
                  "DestinationBackupVaultArn": "string",
                  "Lifecycle": {
                     "DeleteAfterDays": number,
                     "DeleteAfterEvent": "string",
                     "MoveToColdStorageAfterDays": number,
                     "OptInToArchiveForSupportedResources": boolean
                  }
               }
            ],
            "EnableContinuousBackup": boolean,
            "IndexActions": [
               {
                  "ResourceTypes": [ "string" ]
               }
            ],
            "Lifecycle": {
               "DeleteAfterDays": number,
               "DeleteAfterEvent": "string",
               "MoveToColdStorageAfterDays": number,
               "OptInToArchiveForSupportedResources": boolean
            },
```

```
            "RecoveryPointTags": {
               "string" : "string"
            },
            "RuleId": "string",
            "RuleName": "string",
            "ScanActions": [
               {
                  "MalwareScanner": "string",
                  "ScanMode": "string"
               }
            ],
            "ScheduleExpression": "string",
            "ScheduleExpressionTimezone": "string",
            "StartWindowMinutes": number,
            "TargetBackupVaultName": "string",
            "TargetLogicallyAirGappedBackupVaultArn": "string"
         }
      ],
      "ScanSettings": [
         {
            "MalwareScanner": "string",
            "ResourceTypes": [ "string" ],
            "ScannerRoleArn": "string"
         }
      ]
   },
   "BackupPlanArn": "string",
   "BackupPlanId": "string",
   "CreationDate": number,
   "CreatorRequestId": "string",
   "DeletionDate": number,
   "LastExecutionDate": number,
   "ScheduledRunsPreview": [
      {
         "ExecutionTime": number,
         "RuleExecutionType": "string",
         "RuleId": "string"
      }
   ],
   "VersionId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AdvancedBackupSettings

Contains a list of `BackupOptions` for each resource type. The list is populated only if the advanced option is set for the backup plan.

Type: Array of AdvancedBackupSetting objects

BackupPlan

Specifies the body of a backup plan. Includes a `BackupPlanName` and one or more sets of `Rules`.

Type: BackupPlan object

BackupPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a backup plan; for example, `arn:aws:backup:us-east-1:123456789012:plan:8F81F553-3A74-4A3F-B93D-B3360DC80C50`.

Type: String

BackupPlanId

Uniquely identifies a backup plan.

Type: String

CreationDate

The date and time that a backup plan is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

CreatorRequestId

A unique string that identifies the request and allows failed requests to be retried without the risk of running the operation twice.

Type: String

DeletionDate

The date and time that a backup plan is deleted, in Unix format and Coordinated Universal Time (UTC). The value of `DeletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

LastExecutionDate

The last time this backup plan was run. A date and time, in Unix format and Coordinated Universal Time (UTC). The value of `LastExecutionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

ScheduledRunsPreview

List of upcoming scheduled backup runs. Only included when `MaxScheduledRunsPreview` parameter is greater than 0. Contains up to 10 future backup executions with their scheduled times, execution types, and associated rule IDs.

Type: Array of ScheduledPlanExecutionMember objects

VersionId

Unique, randomly generated, Unicode, UTF-8 encoded strings that are at most 1,024 bytes long. Version IDs cannot be edited.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetBackupPlanFromJSON

Service: AWS Backup

Returns a valid JSON document specifying a backup plan or an error.

Request Syntax

```
POST /backup/template/json/toPlan HTTP/1.1
Content-type: application/json

{
   "BackupPlanTemplateJson": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

BackupPlanTemplateJson

A customer-supplied backup plan document in JSON format.

Type: String

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupPlan": {
      "AdvancedBackupSettings": [
         {
            "BackupOptions": {
               "string" : "string"
            },
```

```
            "ResourceType": "string"
         }
      ],
      "BackupPlanName": "string",
      "Rules": [
         {
            "CompletionWindowMinutes": number,
            "CopyActions": [
               {
                  "DestinationBackupVaultArn": "string",
                  "Lifecycle": {
                     "DeleteAfterDays": number,
                     "DeleteAfterEvent": "string",
                     "MoveToColdStorageAfterDays": number,
                     "OptInToArchiveForSupportedResources": boolean
                  }
               }
            ],
            "EnableContinuousBackup": boolean,
            "IndexActions": [
               {
                  "ResourceTypes": [ "string" ]
               }
            ],
            "Lifecycle": {
               "DeleteAfterDays": number,
               "DeleteAfterEvent": "string",
               "MoveToColdStorageAfterDays": number,
               "OptInToArchiveForSupportedResources": boolean
            },
            "RecoveryPointTags": {
               "string" : "string"
            },
            "RuleId": "string",
            "RuleName": "string",
            "ScanActions": [
               {
                  "MalwareScanner": "string",
                  "ScanMode": "string"
               }
            ],
            "ScheduleExpression": "string",
            "ScheduleExpressionTimezone": "string",
            "StartWindowMinutes": number,
```

```
            "TargetBackupVaultName": "string",
            "TargetLogicallyAirGappedBackupVaultArn": "string"
         }
      ],
      "ScanSettings": [
         {
            "MalwareScanner": "string",
            "ResourceTypes": [ "string" ],
            "ScannerRoleArn": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupPlan

Specifies the body of a backup plan. Includes a `BackupPlanName` and one or more sets of `Rules`.

Type: BackupPlan object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetBackupPlanFromTemplate

Service: AWS Backup

Returns the template specified by its `templateId` as a backup plan.

Request Syntax

```
GET /backup/template/plans/templateId/toPlan HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

templateId

Uniquely identifies a stored backup plan template.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupPlanDocument": {
      "AdvancedBackupSettings": [
         {
            "BackupOptions": {
               "string" : "string"
            },
            "ResourceType": "string"
         }
      ],
      "BackupPlanName": "string",
      "Rules": [
         {
            "CompletionWindowMinutes": number,
```

```
            "CopyActions": [
               {
                  "DestinationBackupVaultArn": "string",
                  "Lifecycle": {
                     "DeleteAfterDays": number,
                     "DeleteAfterEvent": "string",
                     "MoveToColdStorageAfterDays": number,
                     "OptInToArchiveForSupportedResources": boolean
                  }
               }
            ],
            "EnableContinuousBackup": boolean,
            "IndexActions": [
               {
                  "ResourceTypes": [ "string" ]
               }
            ],
            "Lifecycle": {
               "DeleteAfterDays": number,
               "DeleteAfterEvent": "string",
               "MoveToColdStorageAfterDays": number,
               "OptInToArchiveForSupportedResources": boolean
            },
            "RecoveryPointTags": {
               "string" : "string"
            },
            "RuleId": "string",
            "RuleName": "string",
            "ScanActions": [
               {
                  "MalwareScanner": "string",
                  "ScanMode": "string"
               }
            ],
            "ScheduleExpression": "string",
            "ScheduleExpressionTimezone": "string",
            "StartWindowMinutes": number,
            "TargetBackupVaultName": "string",
            "TargetLogicallyAirGappedBackupVaultArn": "string"
         }
      ],
      "ScanSettings": [
         {
            "MalwareScanner": "string",
```

```
            "ResourceTypes": [ "string" ],
            "ScannerRoleArn": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupPlanDocument

Returns the body of a backup plan based on the target template, including the name, rules, and backup vault of the plan.

Type: BackupPlan object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetBackupSelection

Service: AWS Backup

Returns selection metadata and a document in JSON format that specifies a list of resources that are associated with a backup plan.

Request Syntax

```
GET /backup/plans/backupPlanId/selections/selectionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupPlanId

Uniquely identifies a backup plan.

Required: Yes

selectionId

Uniquely identifies the body of a request to assign a set of resources to a backup plan.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupPlanId": "string",
   "BackupSelection": {
      "Conditions": {
         "StringEquals": [
            {
               "ConditionKey": "string",
```

```
                "ConditionValue": "string"
            }
         ],
         "StringLike": [
            {
               "ConditionKey": "string",
               "ConditionValue": "string"
            }
         ],
         "StringNotEquals": [
            {
               "ConditionKey": "string",
               "ConditionValue": "string"
            }
         ],
         "StringNotLike": [
            {
               "ConditionKey": "string",
               "ConditionValue": "string"
            }
         ]
      },
      "IamRoleArn": "string",
      "ListOfTags": [
         {
            "ConditionKey": "string",
            "ConditionType": "string",
            "ConditionValue": "string"
         }
      ],
      "NotResources": [ "string" ],
      "Resources": [ "string" ],
      "SelectionName": "string"
   },
   "CreationDate": number,
   "CreatorRequestId": "string",
   "SelectionId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupPlanId

Uniquely identifies a backup plan.

Type: String

BackupSelection

Specifies the body of a request to assign a set of resources to a backup plan.

Type: BackupSelection object

CreationDate

The date and time a backup selection is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

CreatorRequestId

A unique string that identifies the request and allows failed requests to be retried without the risk of running the operation twice.

Type: String

SelectionId

Uniquely identifies the body of a request to assign a set of resources to a backup plan.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetBackupVaultAccessPolicy

Service: AWS Backup

Returns the access policy document that is associated with the named backup vault.

Request Syntax

```
GET /backup-vaults/backupVaultName/access-policy HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupVaultArn": "string",
   "BackupVaultName": "string",
   "Policy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Policy

The backup vault access policy document in JSON format.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetBackupVaultNotifications

Service: AWS Backup

Returns event notifications for the specified backup vault.

Request Syntax

```
GET /backup-vaults/backupVaultName/notification-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupVaultArn": "string",
   "BackupVaultEvents": [ "string" ],
   "BackupVaultName": "string",
   "SNSTopicArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

BackupVaultEvents

An array of events that indicate the status of jobs to back up resources to the backup vault.

Type: Array of strings

Valid Values: `BACKUP_JOB_STARTED | BACKUP_JOB_COMPLETED | BACKUP_JOB_SUCCESSFUL | BACKUP_JOB_FAILED | BACKUP_JOB_EXPIRED | RESTORE_JOB_STARTED | RESTORE_JOB_COMPLETED | RESTORE_JOB_SUCCESSFUL | RESTORE_JOB_FAILED | COPY_JOB_STARTED | COPY_JOB_SUCCESSFUL | COPY_JOB_FAILED | RECOVERY_POINT_MODIFIED | BACKUP_PLAN_CREATED | BACKUP_PLAN_MODIFIED | S3_BACKUP_OBJECT_FAILED | S3_RESTORE_OBJECT_FAILED | CONTINUOUS_BACKUP_INTERRUPTED | RECOVERY_POINT_INDEX_COMPLETED | RECOVERY_POINT_INDEX_DELETED | RECOVERY_POINT_INDEXING_FAILED | EKS_RESTORE_OBJECT_FAILED | EKS_RESTORE_OBJECT_SKIPPED | EKS_BACKUP_OBJECT_FAILED | ACCESS_POINT_AVAILABLE | ACCESS_POINT_CREATION_FAILED | ACCESS_POINT_DELETED | ACCESS_POINT_DELETION_FAILED | ACCESS_POINT_EXPIRED | ACCESS_POINT_DISASSOCIATED`

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

SNSTopicArn

An ARN that uniquely identifies an Amazon Simple Notification Service (Amazon SNS) topic; for example, `arn:aws:sns:us-west-2:111122223333:MyTopic`.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetLegalHold

Service: AWS Backup

This action returns details for a specified legal hold. The details are the body of a legal hold in JSON format, in addition to metadata.

Request Syntax

```
GET /legal-holds/legalHoldId/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

legalHoldId

The ID of the legal hold.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CancelDescription": "string",
   "CancellationDate": number,
   "CreationDate": number,
   "Description": "string",
   "LegalHoldArn": "string",
   "LegalHoldId": "string",
   "RecoveryPointSelection": {
      "DateRange": {
         "FromDate": number,
         "ToDate": number
```

```
      },
      "ResourceIdentifiers": [ "string" ],
      "VaultNames": [ "string" ]
   },
   "RetainRecordUntil": number,
   "Status": "string",
   "Title": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CancelDescription

The reason for removing the legal hold.

Type: String

CancellationDate

The time when the legal hold was cancelled.

Type: Timestamp

CreationDate

The time when the legal hold was created.

Type: Timestamp

Description

The description of the legal hold.

Type: String

LegalHoldArn

The framework ARN for the specified legal hold. The format of the ARN depends on the resource type.

Type: String

LegalHoldId

The ID of the legal hold.

Type: String

RecoveryPointSelection

The criteria to assign a set of resources, such as resource types or backup vaults.

Type: RecoveryPointSelection object

RetainRecordUntil

The date and time until which the legal hold record is retained.

Type: Timestamp

Status

The status of the legal hold.

Type: String

Valid Values: `CREATING | ACTIVE | CANCELING | CANCELED`

Title

The title of the legal hold.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetPITRMalwareScanResults

Service: AWS Backup

Returns the malware scan results for a specified point in time within a continuous (point-in-time recovery) backup.

Request Syntax

```
GET /scan/pitr-malware-scan-results?
BackupVaultName=BackupVaultName&MalwareScanner=MalwareScanner&RecoveryPointArn=RecoveryPointArn
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Required: Yes

MalwareScanner

The scanning engine used for the corresponding scan job. Currently only GUARDDUTY is supported.

Valid Values: GUARDDUTY

Required: Yes

RecoveryPointArn

An ARN that uniquely identifies the target recovery point for scanning; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Required: Yes

ScanEndTime

The point in time within the continuous backup to examine for malware scan results.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "LastScanJobTime": number,
   "ScanEndTime": number,
   "ScanId": "string",
   "ScanMode": "string",
   "ScanResult": {
      "ScanResultStatus": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LastScanJobTime

The completion time of the most recent scan job that covered the specified point in time.

Type: Timestamp

ScanEndTime

The point in time that was queried. This echoes back the time specified in the request.

Type: Timestamp

ScanId

The scan ID generated by Amazon GuardDuty for the corresponding Scan Job ID request from AWS Backup.

Type: String

ScanMode

Specifies the scan type used for the scan job.

Type: String

Valid Values: `FULL_SCAN | INCREMENTAL_SCAN`

ScanResult

Contains the `ScanResultStatus` for the scan and returns `THREATS_FOUND`, `NO_THREATS_FOUND`, or `UNKNOWN`.

Type: ScanResultInfo object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRecoveryPointIndexDetails

Service: AWS Backup

This operation returns the metadata and details specific to the backup index associated with the specified recovery point.

Request Syntax

```
GET /backup-vaults/backupVaultName/recovery-points/recoveryPointArn/index HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the Region where they are created.

Accepted characters include lowercase letters, numbers, and hyphens.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

recoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "BackupVaultArn": "string",
   "IndexCompletionDate": number,
   "IndexCreationDate": number,
   "IndexDeletionDate": number,
   "IndexStatus": "string",
   "IndexStatusMessage": "string",
   "RecoveryPointArn": "string",
   "SourceResourceArn": "string",
   "TotalItemsIndexed": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupVaultArn

An ARN that uniquely identifies the backup vault where the recovery point index is stored.

For example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

IndexCompletionDate

The date and time that a backup index finished creation, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

IndexCreationDate

The date and time that a backup index was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

IndexDeletionDate

The date and time that a backup index was deleted, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

IndexStatus

This is the current status for the backup index associated with the specified recovery point.

Statuses are: `PENDING` | `ACTIVE` | `FAILED` | `DELETING`

A recovery point with an index that has the status of `ACTIVE` can be included in a search.

Type: String

Valid Values: `PENDING | ACTIVE | FAILED | DELETING`

IndexStatusMessage

A detailed message explaining the status of a backup index associated with the recovery point.

Type: String

RecoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

SourceResourceArn

A string of the Amazon Resource Name (ARN) that uniquely identifies the source resource.

Type: String

TotalItemsIndexed

Count of items within the backup index associated with the recovery point.

Type: Long

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRecoveryPointRestoreMetadata

Service: AWS Backup

Returns a set of metadata key-value pairs that were used to create the backup.

Request Syntax

```
GET /backup-vaults/backupVaultName/recovery-points/recoveryPointArn/restore-metadata?
backupVaultAccountId=BackupVaultAccountId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

BackupVaultAccountId

The account ID of the specified backup vault.

Pattern: `^[0-9]{12}$`

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

recoveryPointArn

An Amazon Resource Name (ARN) that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupVaultArn": "string",
   "RecoveryPointArn": "string",
   "ResourceType": "string",
   "RestoreMetadata": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupVaultArn

An ARN that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

RecoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

ResourceType

The resource type of the recovery point.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

RestoreMetadata

The set of metadata key-value pairs that describe the original configuration of the backed-up resource. These values vary depending on the service that is being restored.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRestoreJobMetadata

Service: AWS Backup

This request returns the metadata for the specified restore job.

Request Syntax

```
GET /restore-jobs/restoreJobId/metadata HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

restoreJobId

This is a unique identifier of a restore job within AWS Backup.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Metadata": {
      "string" : "string"
   },
   "RestoreJobId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Metadata

This contains the metadata of the specified backup job.

Type: String to string map

RestoreJobId

This is a unique identifier of a restore job within AWS Backup.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRestoreTestingInferredMetadata

Service: AWS Backup

This request returns the minimal required set of metadata needed to start a restore job with secure default settings. `BackupVaultName` and `RecoveryPointArn` are required parameters. `BackupVaultAccountId` is an optional parameter.

Request Syntax

```
GET /restore-testing/inferred-metadata?
BackupVaultAccountId=BackupVaultAccountId&BackupVaultName=BackupVaultName&RecoveryPointArn=Reco
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

BackupVaultAccountId

The account ID of the specified backup vault.

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWSRegion where they are created. They consist of letters, numbers, and hyphens.

Required: Yes

RecoveryPointArn

An Amazon Resource Name (ARN) that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "InferredMetadata": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

InferredMetadata

This is a string map of the metadata inferred from the request.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRestoreTestingPlan

Service: AWS Backup

Returns `RestoreTestingPlan` details for the specified `RestoreTestingPlanName`. The details are the body of a restore testing plan in JSON format, in addition to plan metadata.

Request Syntax

```
GET /restore-testing/plans/RestoreTestingPlanName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

RestoreTestingPlanName

Required unique name of the restore testing plan.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "RestoreTestingPlan": {
      "CreationTime": number,
      "CreatorRequestId": "string",
      "LastExecutionTime": number,
      "LastUpdateTime": number,
      "RecoveryPointSelection": {
         "Algorithm": "string",
         "ExcludeVaults": [ "string" ],
         "IncludeVaults": [ "string" ],
         "RecoveryPointTypes": [ "string" ],
         "SelectionWindowDays": number
```

```
      },
      "RestoreTestingPlanArn": "string",
      "RestoreTestingPlanName": "string",
      "ScheduleExpression": "string",
      "ScheduleExpressionTimezone": "string",
      "StartWindowHours": number
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RestoreTestingPlan

Specifies the body of a restore testing plan. Includes `RestoreTestingPlanName`.

Type: RestoreTestingPlanForGet object

Errors

For information about the errors that are common to all actions, see Common Error Types.

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRestoreTestingSelection

Service: AWS Backup

Returns RestoreTestingSelection, which displays resources and elements of the restore testing plan.

Request Syntax

```
GET /restore-testing/plans/RestoreTestingPlanName/
selections/RestoreTestingSelectionName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

RestoreTestingPlanName

Required unique name of the restore testing plan.

Required: Yes

RestoreTestingSelectionName

Required unique name of the restore testing selection.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "RestoreTestingSelection": {
      "CreationTime": number,
      "CreatorRequestId": "string",
      "IamRoleArn": "string",
      "ProtectedResourceArns": [ "string" ],
```

```
      "ProtectedResourceConditions": {
         "StringEquals": [
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "StringNotEquals": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      },
      "ProtectedResourceType": "string",
      "RestoreMetadataOverrides": {
         "string" : "string"
      },
      "RestoreTestingPlanName": "string",
      "RestoreTestingSelectionName": "string",
      "ValidationWindowHours": number
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RestoreTestingSelection

Unique name of the restore testing selection.

Type: RestoreTestingSelectionForGet object

Errors

For information about the errors that are common to all actions, see Common Error Types.

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetSupportedResourceTypes

Service: AWS Backup

Returns the AWS resource types supported by AWS Backup.

Request Syntax

```
GET /supported-resource-types HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ResourceTypes": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResourceTypes

Contains a string with the supported AWS resource types:

- `Aurora` for Amazon Aurora
- `CloudFormation` for AWS CloudFormation
- `DocumentDB` for Amazon DocumentDB (with MongoDB compatibility)
- `DynamoDB` for Amazon DynamoDB
- `EBS` for Amazon Elastic Block Store

- EC2 for Amazon Elastic Compute Cloud
- EFS for Amazon Elastic File System
- EKS for Amazon Elastic Kubernetes Service
- FSx for Amazon FSx
- Neptune for Amazon Neptune
- RDS for Amazon Relational Database Service
- Redshift for Amazon Redshift
- S3 for Amazon Simple Storage Service (Amazon S3)
- SAP HANA on Amazon EC2 for SAP HANA databases on Amazon Elastic Compute Cloud instances
- Storage Gateway for AWS Storage Gateway
- Timestream for Amazon Timestream
- VirtualMachine for VMware virtual machines

Type: Array of strings

Pattern: ^[a-zA-Z0-9\-_\.]{1,50}$

Errors

For information about the errors that are common to all actions, see Common Error Types.

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetTieringConfiguration

Service: AWS Backup

Returns `TieringConfiguration` details for the specified `TieringConfigurationName`. The details are the body of a tiering configuration in JSON format, in addition to configuration metadata.

Request Syntax

```
GET /tiering-configurations/tieringConfigurationName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

tieringConfigurationName

The unique name of a tiering configuration.

Pattern: `^[a-zA-Z0-9_]{1,200}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "TieringConfiguration": {
      "BackupVaultName": "string",
      "CreationTime": number,
      "CreatorRequestId": "string",
      "LastUpdatedTime": number,
      "ResourceSelection": [
         {
```

```
            "Resources": [ "string" ],
            "ResourceType": "string",
            "TieringDownSettingsInDays": number
         }
      ],
      "TieringConfigurationArn": "string",
      "TieringConfigurationName": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TieringConfiguration

Specifies the body of a tiering configuration. Includes `TieringConfigurationName`.

Type: TieringConfiguration object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

ListBackupAccessPoints

Service: AWS Backup

Returns a list of the backup access points in your account and Region.

Request Syntax

```
GET /backup-access-point?MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupAccessPoints": [
      {
         "AccessPointArn": "string",
         "AccessPointMetadata": {
            "string" : "string"
         },
```

```
            "BackupVaultArn": "string",
            "BackupVaultName": "string",
            "CreationTime": number,
            "Name": "string",
            "RecoveryPointArn": "string",
            "ResourceArn": "string",
            "ResourceType": "string",
            "Status": "string",
            "StatusMessage": "string"
        }
    ],
    "NextToken": "string"
}
```


Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupAccessPoints

A list of backup access points, each containing metadata such as its name, ARN, status, and associated recovery point.

Type: Array of ListAccessPointsMember objects

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBackupAccessPointsByRecoveryPoint

Service: AWS Backup

Returns the backup access points associated with the specified recovery point.

If you own the recovery point and have shared it with other accounts, the response includes backup access points created by those accounts.

Request Syntax

```
POST /backup-access-point/recovery-point/RecoveryPointArn?
MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

RecoveryPointArn

The Amazon Resource Name (ARN) of the recovery point whose backup access points you want to list.

Pattern: `(arn:aws[a-z-]*:[a-z-\d]+:[a-z-\d]+:).+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupAccessPoints": [
      {
         "AccessPointArn": "string",
         "AccessPointMetadata": {
            "string" : "string"
         },
         "BackupVaultArn": "string",
         "BackupVaultName": "string",
         "CreationTime": number,
         "Name": "string",
         "RecoveryPointArn": "string",
         "ResourceArn": "string",
         "ResourceType": "string",
         "Status": "string",
         "StatusMessage": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupAccessPoints

A list of backup access points, each containing metadata such as its name, ARN, status, and associated recovery point.

Type: Array of ListAccessPointsMember objects

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBackupAccessPointsByResource

Service: AWS Backup

Returns the backup access points associated with the specified resource, such as an Amazon S3 bucket.

Request Syntax

```
POST /backup-access-point/resource/ResourceArn?
MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

ResourceArn

The Amazon Resource Name (ARN) of the resource whose backup access points you want to list.

Pattern: `(arn:aws[a-z-]*:[a-z-\d]+:).+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "BackupAccessPoints": [
      {
         "AccessPointArn": "string",
         "AccessPointMetadata": {
            "string" : "string"
         },
         "BackupVaultArn": "string",
         "BackupVaultName": "string",
         "CreationTime": number,
         "Name": "string",
         "RecoveryPointArn": "string",
         "ResourceArn": "string",
         "ResourceType": "string",
         "Status": "string",
         "StatusMessage": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupAccessPoints

A list of backup access points, each containing metadata such as its name, ARN, status, and associated recovery point.

Type: Array of ListAccessPointsMember objects

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

ListBackupJobs

Service: AWS Backup

Returns a list of existing backup jobs for an authenticated account for the last 30 days. For a longer period of time, consider using these monitoring tools.

Request Syntax

```
GET /backup-jobs/?
accountId=ByAccountId&backupVaultName=ByBackupVaultName&completeAfter=ByCompleteAfter&completeB
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ByAccountId

The account ID to list the jobs from. Returns only backup jobs associated with the specified account ID.

If used from an AWS Organizations management account, passing * returns all jobs across the organization.

Pattern: ^[0-9]{12}$

ByBackupVaultName

Returns only backup jobs that will be stored in the specified backup vault. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: ^[a-zA-Z0-9\-_]{2,50}$

ByCompleteAfter

Returns only backup jobs completed after a date expressed in Unix format and Coordinated Universal Time (UTC).

ByCompleteBefore

Returns only backup jobs completed before a date expressed in Unix format and Coordinated Universal Time (UTC).

ByCreatedAfter

Returns only backup jobs that were created after the specified date.

ByCreatedBefore

Returns only backup jobs that were created before the specified date.

ByMessageCategory

This is an optional parameter that can be used to filter out jobs with a MessageCategory which matches the value you input.

Example strings may include `AccessDenied`, `SUCCESS`, `AGGREGATE_ALL`, and `InvalidParameters`.

View Monitoring

The wildcard () returns count of all message categories.

`AGGREGATE_ALL` aggregates job counts for all message categories and returns the sum.

ByParentJobId

This is a filter to list child (nested) jobs based on parent job ID.

ByResourceArn

Returns only backup jobs that match the specified resource Amazon Resource Name (ARN).

ByResourceType

Returns only backup jobs for the specified resources:

- `Aurora` for Amazon Aurora
- `CloudFormation` for AWS CloudFormation
- `DocumentDB` for Amazon DocumentDB (with MongoDB compatibility)
- `DynamoDB` for Amazon DynamoDB
- `EBS` for Amazon Elastic Block Store
- `EC2` for Amazon Elastic Compute Cloud
- `EFS` for Amazon Elastic File System

- EKS for Amazon Elastic Kubernetes Service
- FSx for Amazon FSx
- Neptune for Amazon Neptune
- RDS for Amazon Relational Database Service
- Redshift for Amazon Redshift
- S3 for Amazon Simple Storage Service (Amazon S3)
- SAP HANA on Amazon EC2 for SAP HANA databases on Amazon Elastic Compute Cloud instances
- Storage Gateway for AWS Storage Gateway
- Timestream for Amazon Timestream
- VirtualMachine for VMware virtual machines

Pattern: ^[a-zA-Z0-9\-_\.]{1,50}$

ByState

Returns only backup jobs that are in the specified state.

Completed with issues is a status found only in the AWS Backup console. For API, this status refers to jobs with a state of COMPLETED and a MessageCategory with a value other than SUCCESS; that is, the status is completed but comes with a status message.

To obtain the job count for Completed with issues, run two GET requests, and subtract the second, smaller number:

GET /backup-jobs/?state=COMPLETED

GET /backup-jobs/?messageCategory=SUCCESS&state=COMPLETED

Valid Values: CREATED | PENDING | RUNNING | ABORTING | ABORTED | COMPLETED | FAILED | EXPIRED | PARTIAL

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupJobs": [
      {
         "AccountId": "string",
         "BackupJobId": "string",
         "BackupOptions": {
            "string" : "string"
         },
         "BackupSizeInBytes": number,
         "BackupType": "string",
         "BackupVaultArn": "string",
         "BackupVaultName": "string",
         "BytesTransferred": number,
         "CompletionDate": number,
         "CreatedBy": {
            "BackupPlanArn": "string",
            "BackupPlanId": "string",
            "BackupPlanName": "string",
            "BackupPlanVersion": "string",
            "BackupRuleCron": "string",
            "BackupRuleId": "string",
            "BackupRuleName": "string",
            "BackupRuleTimezone": "string"
         },
         "CreationDate": number,
         "EncryptionKeyArn": "string",
         "ExpectedCompletionDate": number,
```

```
         "IamRoleArn": "string",
         "InitiationDate": number,
         "IsEncrypted": boolean,
         "IsParent": boolean,
         "MessageCategory": "string",
         "ParentJobId": "string",
         "PercentDone": "string",
         "RecoveryPointArn": "string",
         "RecoveryPointLifecycle": {
            "DeleteAfterDays": number,
            "DeleteAfterEvent": "string",
            "MoveToColdStorageAfterDays": number,
            "OptInToArchiveForSupportedResources": boolean
         },
         "ResourceArn": "string",
         "ResourceName": "string",
         "ResourceType": "string",
         "StartBy": number,
         "State": "string",
         "StatusMessage": "string",
         "VaultLockState": "string",
         "VaultType": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupJobs

An array of structures containing metadata about your backup jobs returned in JSON format.

Type: Array of BackupJob objects

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBackupJobSummaries

Service: AWS Backup

This is a request for a summary of backup jobs created or running within the most recent 14 days. You can include parameters AccountID, State, ResourceType, MessageCategory, AggregationPeriod, MaxResults, or NextToken to filter results.

This request returns a summary that contains Region, Account, State, ResourceType, MessageCategory, StartTime, EndTime, and Count of included jobs.

Request Syntax

```
GET /audit/backup-job-summaries?
AccountId=AccountId&AggregationPeriod=AggregationPeriod&MaxResults=MaxResults&MessageCategory=M
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AccountId

Returns the job count for the specified account.

If the request is sent from a member account or an account not part of AWS Organizations, jobs within requestor's account will be returned.

Root, admin, and delegated administrator accounts can use the value ANY to return job counts from every account in the organization.

AGGREGATE_ALL aggregates job counts from all accounts within the authenticated organization, then returns the sum.

Pattern: ^[0-9]{12}$

AggregationPeriod

The period for the returned results.

- ONE_DAY - The daily job count for the prior 14 days.
- SEVEN_DAYS - The aggregated job count for the prior 7 days.
- FOURTEEN_DAYS - The aggregated job count for prior 14 days.

Valid Values: ONE_DAY | SEVEN_DAYS | FOURTEEN_DAYS

MaxResults

The maximum number of items to be returned.

The value is an integer. Range of accepted values is from 1 to 500.

Valid Range: Minimum value of 1. Maximum value of 1000.

MessageCategory

This parameter returns the job count for the specified message category.

Example accepted strings include `AccessDenied`, `Success`, and `InvalidParameters`. See Monitoring for a list of accepted MessageCategory strings.

The the value ANY returns count of all message categories.

`AGGREGATE_ALL` aggregates job counts for all message categories and returns the sum.

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `MaxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

ResourceType

Returns the job count for the specified resource type. Use request `GetSupportedResourceTypes` to obtain strings for supported resource types.

The the value ANY returns count of all resource types.

`AGGREGATE_ALL` aggregates job counts for all resource types and returns the sum.

The type of AWS resource to be backed up; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database.

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

State

This parameter returns the job count for jobs with the specified state.

The the value ANY returns count of all states.

AGGREGATE_ALL aggregates job counts for all states and returns the sum.

Completed with issues is a status found only in the AWS Backup console. For API, this status refers to jobs with a state of COMPLETED and a MessageCategory with a value other than SUCCESS; that is, the status is completed but comes with a status message. To obtain the job count for Completed with issues, run two GET requests, and subtract the second, smaller number:

GET /audit/backup-job-summaries?AggregationPeriod=FOURTEEN_DAYS&State=COMPLETED

GET /audit/backup-job-summaries?AggregationPeriod=FOURTEEN_DAYS&MessageCategory=SUCCESS&State=COMPLETED

Valid Values: CREATED | PENDING | RUNNING | ABORTING | ABORTED | COMPLETED | FAILED | EXPIRED | PARTIAL | AGGREGATE_ALL | ANY

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AggregationPeriod": "string",
   "BackupJobSummaries": [
      {
         "AccountId": "string",
         "Count": number,
         "EndTime": number,
         "MessageCategory": "string",
         "Region": "string",
         "ResourceType": "string",
         "StartTime": number,
         "State": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregationPeriod

The period for the returned results.

- ONE_DAY - The daily job count for the prior 14 days.
- SEVEN_DAYS - The aggregated job count for the prior 7 days.
- FOURTEEN_DAYS - The aggregated job count for prior 14 days.

Type: String

BackupJobSummaries

The summary information.

Type: Array of BackupJobSummary objects

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `MaxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBackupPlans

Service: AWS Backup

Lists the active backup plans for the account.

Request Syntax

```
GET /backup/plans/?
includeDeleted=IncludeDeleted&maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

IncludeDeleted

A Boolean value with a default value of FALSE that returns deleted backup plans when set to TRUE.

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "BackupPlansList": [
      {
         "AdvancedBackupSettings": [
            {
               "BackupOptions": {
                  "string" : "string"
               },
               "ResourceType": "string"
            }
         ],
         "BackupPlanArn": "string",
         "BackupPlanId": "string",
         "BackupPlanName": "string",
         "CreationDate": number,
         "CreatorRequestId": "string",
         "DeletionDate": number,
         "LastExecutionDate": number,
         "VersionId": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupPlansList

Information about the backup plans.

Type: Array of BackupPlansListMember objects

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBackupPlanTemplates

Service: AWS Backup

Lists the backup plan templates.

Request Syntax

```
GET /backup/template/plans?maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to return.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupPlanTemplatesList": [
      {
         "BackupPlanTemplateId": "string",
         "BackupPlanTemplateName": "string"
      }
   ],
```

```
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupPlanTemplatesList

An array of template list items containing metadata about your saved templates.

Type: Array of BackupPlanTemplatesListMember objects

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

ListBackupPlanVersions

Service: AWS Backup

Returns version metadata of your backup plans, including Amazon Resource Names (ARNs), backup plan IDs, creation and deletion dates, plan names, and version IDs.

Request Syntax

```
GET /backup/plans/backupPlanId/versions/?maxResults=MaxResults&nextToken=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupPlanId

Uniquely identifies a backup plan.

Required: Yes

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "BackupPlanVersionsList": [
      {
         "AdvancedBackupSettings": [
            {
               "BackupOptions": {
                  "string" : "string"
               },
               "ResourceType": "string"
            }
         ],
         "BackupPlanArn": "string",
         "BackupPlanId": "string",
         "BackupPlanName": "string",
         "CreationDate": number,
         "CreatorRequestId": "string",
         "DeletionDate": number,
         "LastExecutionDate": number,
         "VersionId": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupPlanVersionsList

An array of version list items containing metadata about your backup plans.

Type: Array of BackupPlansListMember objects

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBackupSelections

Service: AWS Backup

Returns an array containing metadata of the resources associated with the target backup plan.

Request Syntax

```
GET /backup/plans/backupPlanId/selections/?maxResults=MaxResults&nextToken=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupPlanId

Uniquely identifies a backup plan.

Required: Yes

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "BackupSelectionsList": [
      {
         "BackupPlanId": "string",
         "CreationDate": number,
         "CreatorRequestId": "string",
         "IamRoleArn": "string",
         "SelectionId": "string",
         "SelectionName": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupSelectionsList

An array of backup selection list items containing metadata about each resource in the list.

Type: Array of BackupSelectionsListMember objects

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBackupVaults

Service: AWS Backup

Returns a list of recovery point storage containers along with information about them.

Request Syntax

```
GET /backup-vaults/?
maxResults=MaxResults&nextToken=NextToken&shared=ByShared&vaultType=ByVaultType
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ByShared

This parameter will sort the list of vaults by shared vaults.

ByVaultType

This parameter will sort the list of vaults by vault type.

Valid Values: `BACKUP_VAULT | LOGICALLY_AIR_GAPPED_BACKUP_VAULT | RESTORE_ACCESS_BACKUP_VAULT`

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupVaultList": [
      {
         "BackupVaultArn": "string",
         "BackupVaultName": "string",
         "CreationDate": number,
         "CreatorRequestId": "string",
         "EncryptionKeyArn": "string",
         "EncryptionKeyType": "string",
         "LockDate": number,
         "Locked": boolean,
         "MaxRetentionDays": number,
         "MinRetentionDays": number,
         "NumberOfRecoveryPoints": number,
         "VaultState": "string",
         "VaultType": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupVaultList

An array of backup vault list members containing vault metadata, including Amazon Resource Name (ARN), display name, creation date, number of saved recovery points, and encryption information if the resources saved in the backup vault are encrypted.

Type: Array of BackupVaultListMember objects

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListCopyJobs

Service: AWS Backup

Returns metadata about your copy jobs.

Request Syntax

```
GET /copy-jobs/?
accountId=ByAccountId&completeAfter=ByCompleteAfter&completeBefore=ByCompleteBefore&createdAfte
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ByAccountId

The account ID to list the jobs from. Returns only copy jobs associated with the specified account ID.

Pattern: `^[0-9]{12}$`

ByCompleteAfter

Returns only copy jobs completed after a date expressed in Unix format and Coordinated Universal Time (UTC).

ByCompleteBefore

Returns only copy jobs completed before a date expressed in Unix format and Coordinated Universal Time (UTC).

ByCreatedAfter

Returns only copy jobs that were created after the specified date.

ByCreatedBefore

Returns only copy jobs that were created before the specified date.

ByDestinationVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a source backup vault to copy from; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

ByMessageCategory

This is an optional parameter that can be used to filter out jobs with a MessageCategory which matches the value you input.

Example strings may include `AccessDenied`, `SUCCESS`, `AGGREGATE_ALL`, and `INVALIDPARAMETERS`.

View Monitoring for a list of accepted strings.

The the value ANY returns count of all message categories.

`AGGREGATE_ALL` aggregates job counts for all message categories and returns the sum.

ByParentJobId

This is a filter to list child (nested) jobs based on parent job ID.

ByResourceArn

Returns only copy jobs that match the specified resource Amazon Resource Name (ARN).

ByResourceType

Returns only backup jobs for the specified resources:

- `Aurora` for Amazon Aurora
- `CloudFormation` for AWS CloudFormation
- `DocumentDB` for Amazon DocumentDB (with MongoDB compatibility)
- `DynamoDB` for Amazon DynamoDB
- `EBS` for Amazon Elastic Block Store
- `EC2` for Amazon Elastic Compute Cloud
- `EFS` for Amazon Elastic File System
- `EKS` for Amazon Elastic Kubernetes Service
- `FSx` for Amazon FSx
- `Neptune` for Amazon Neptune
- `RDS` for Amazon Relational Database Service
- `Redshift` for Amazon Redshift
- `S3` for Amazon Simple Storage Service (Amazon S3)
- `SAP HANA on Amazon EC2` for SAP HANA databases on Amazon Elastic Compute Cloud instances

- `Storage Gateway` for AWS Storage Gateway
- `Timestream` for Amazon Timestream
- `VirtualMachine` for VMware virtual machines

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

BySourceRecoveryPointArn

Filters copy jobs by the specified source recovery point ARN.

ByState

Returns only copy jobs that are in the specified state.

Valid Values: `CREATED | RUNNING | COMPLETED | FAILED | PARTIAL`

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return MaxResults number of items, NextToken allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CopyJobs": [
      {
         "AccountId": "string",
         "BackupSizeInBytes": number,
         "ChildJobsInState": {
            "string" : number
         },
```

```
            "CompletionDate": number,
            "CompositeMemberIdentifier": "string",
            "CopyJobId": "string",
            "CreatedBy": {
               "BackupPlanArn": "string",
               "BackupPlanId": "string",
               "BackupPlanName": "string",
               "BackupPlanVersion": "string",
               "BackupRuleCron": "string",
               "BackupRuleId": "string",
               "BackupRuleName": "string",
               "BackupRuleTimezone": "string"
            },
            "CreatedByBackupJobId": "string",
            "CreationDate": number,
            "DestinationBackupVaultArn": "string",
            "DestinationEncryptionKeyArn": "string",
            "DestinationRecoveryPointArn": "string",
            "DestinationRecoveryPointLifecycle": {
               "DeleteAfterDays": number,
               "DeleteAfterEvent": "string",
               "MoveToColdStorageAfterDays": number,
               "OptInToArchiveForSupportedResources": boolean
            },
            "DestinationVaultLockState": "string",
            "DestinationVaultType": "string",
            "IamRoleArn": "string",
            "IsParent": boolean,
            "MessageCategory": "string",
            "NumberOfChildJobs": number,
            "ParentJobId": "string",
            "ResourceArn": "string",
            "ResourceName": "string",
            "ResourceType": "string",
            "SourceBackupVaultArn": "string",
            "SourceRecoveryPointArn": "string",
            "State": "string",
            "StatusMessage": "string"
         }
      ],
      "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CopyJobs

An array of structures containing metadata about your copy jobs returned in JSON format.

Type: Array of CopyJob objects

NextToken

The next item following a partial list of returned items. For example, if a request is made to return MaxResults number of items, NextToken allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListCopyJobSummaries

Service: AWS Backup

This request obtains a list of copy jobs created or running within the the most recent 14 days. You can include parameters AccountID, State, ResourceType, MessageCategory, AggregationPeriod, MaxResults, or NextToken to filter results.

This request returns a summary that contains Region, Account, State, RestourceType, MessageCategory, StartTime, EndTime, and Count of included jobs.

Request Syntax

```
GET /audit/copy-job-summaries?
AccountId=AccountId&AggregationPeriod=AggregationPeriod&MaxResults=MaxResults&MessageCategory=M
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AccountId

Returns the job count for the specified account.

If the request is sent from a member account or an account not part of AWS Organizations, jobs within requestor's account will be returned.

Root, admin, and delegated administrator accounts can use the value ANY to return job counts from every account in the organization.

AGGREGATE_ALL aggregates job counts from all accounts within the authenticated organization, then returns the sum.

Pattern: ^[0-9]{12}$

AggregationPeriod

The period for the returned results.

- ONE_DAY - The daily job count for the prior 14 days.
- SEVEN_DAYS - The aggregated job count for the prior 7 days.
- FOURTEEN_DAYS - The aggregated job count for prior 14 days.

Valid Values: ONE_DAY | SEVEN_DAYS | FOURTEEN_DAYS

MaxResults

This parameter sets the maximum number of items to be returned.

The value is an integer. Range of accepted values is from 1 to 500.

Valid Range: Minimum value of 1. Maximum value of 1000.

MessageCategory

This parameter returns the job count for the specified message category.

Example accepted strings include `AccessDenied`, `Success`, and `InvalidParameters`. See Monitoring for a list of accepted MessageCategory strings.

The the value ANY returns count of all message categories.

`AGGREGATE_ALL` aggregates job counts for all message categories and returns the sum.

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `MaxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

ResourceType

Returns the job count for the specified resource type. Use request `GetSupportedResourceTypes` to obtain strings for supported resource types.

The the value ANY returns count of all resource types.

`AGGREGATE_ALL` aggregates job counts for all resource types and returns the sum.

The type of AWS resource to be backed up; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database.

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

State

This parameter returns the job count for jobs with the specified state.

The the value ANY returns count of all states.

AGGREGATE_ALL aggregates job counts for all states and returns the sum.

Valid Values: CREATED | RUNNING | ABORTING | ABORTED | COMPLETING | COMPLETED | FAILING | FAILED | PARTIAL | AGGREGATE_ALL | ANY

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AggregationPeriod": "string",
   "CopyJobSummaries": [
      {
         "AccountId": "string",
         "Count": number,
         "EndTime": number,
         "MessageCategory": "string",
         "Region": "string",
         "ResourceType": "string",
         "StartTime": number,
         "State": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregationPeriod

The period for the returned results.

- ONE_DAY - The daily job count for the prior 14 days.

- SEVEN_DAYS - The aggregated job count for the prior 7 days.
- FOURTEEN_DAYS - The aggregated job count for prior 14 days.

Type: String

CopyJobSummaries

This return shows a summary that contains Region, Account, State, ResourceType, MessageCategory, StartTime, EndTime, and Count of included jobs.

Type: Array of CopyJobSummary objects

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `MaxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListFrameworks

Service: AWS Backup

Returns a list of all frameworks for an AWS account and AWS Region.

Request Syntax

```
GET /audit/frameworks?MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The number of desired results from 1 to 1000. Optional. If unspecified, the query will return 1 MB of data.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Frameworks": [
      {
         "CreationTime": number,
         "DeploymentStatus": "string",
         "FrameworkArn": "string",
         "FrameworkDescription": "string",
```

```
            "FrameworkName": "string",
            "NumberOfControls": number
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Frameworks

The frameworks with details for each framework, including the framework name, Amazon Resource Name (ARN), description, number of controls, creation time, and deployment status.

Type: Array of Framework objects

NextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListIndexedRecoveryPoints

Service: AWS Backup

This operation returns a list of recovery points that have an associated index, belonging to the specified account.

Optional parameters you can include are: MaxResults; NextToken; SourceResourceArns; CreatedBefore; CreatedAfter; and ResourceType.

Request Syntax

```
GET /indexes/recovery-point/?
createdAfter=CreatedAfter&createdBefore=CreatedBefore&indexStatus=IndexStatus&maxResults=MaxRes
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

CreatedAfter

Returns only indexed recovery points that were created after the specified date.

CreatedBefore

Returns only indexed recovery points that were created before the specified date.

IndexStatus

Include this parameter to filter the returned list by the indicated statuses.

Accepted values: `PENDING` | `ACTIVE` | `FAILED` | `DELETING`

A recovery point with an index that has the status of `ACTIVE` can be included in a search.

Valid Values: `PENDING | ACTIVE | FAILED | DELETING`

MaxResults

The maximum number of resource list items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned recovery points.

For example, if a request is made to return `MaxResults` number of indexed recovery points, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

ResourceType

Returns a list of indexed recovery points for the specified resource type(s).

Accepted values include:

- EBS for Amazon Elastic Block Store
- S3 for Amazon Simple Storage Service (Amazon S3)

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

SourceResourceArn

A string of the Amazon Resource Name (ARN) that uniquely identifies the source resource.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "IndexedRecoveryPoints": [
      {
         "BackupCreationDate": number,
         "BackupVaultArn": "string",
         "IamRoleArn": "string",
         "IndexCreationDate": number,
         "IndexStatus": "string",
         "IndexStatusMessage": "string",
         "RecoveryPointArn": "string",
         "ResourceType": "string",
         "SourceResourceArn": "string"
```

```
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

IndexedRecoveryPoints

This is a list of recovery points that have an associated index, belonging to the specified account.

Type: Array of IndexedRecoveryPoint objects

NextToken

The next item following a partial list of returned recovery points.

For example, if a request is made to return `MaxResults` number of indexed recovery points, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListLegalHolds

Service: AWS Backup

This action returns metadata about active and previous legal holds.

Request Syntax

```
GET /legal-holds/?maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of resource list items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `MaxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "LegalHolds": [
      {
         "CancellationDate": number,
         "CreationDate": number,
         "Description": "string",
         "LegalHoldArn": "string",
```

```
            "LegalHoldId": "string",
            "Status": "string",
            "Title": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LegalHolds

This is an array of returned legal holds, both active and previous.

Type: Array of LegalHold objects

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `MaxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListProtectedResources

Service: AWS Backup

Returns an array of resources with recovery points created by AWS Backup (regardless of the recovery point's status), including the time the resource was saved, an Amazon Resource Name (ARN) of the resource, and a resource type.

Request Syntax

```
GET /resources/?maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "Results": [
      {
         "LastBackupTime": number,
```

```
            "LastBackupVaultArn": "string",
            "LastRecoveryPointArn": "string",
            "ResourceArn": "string",
            "ResourceName": "string",
            "ResourceType": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Results

An array of resources successfully backed up by AWS Backup including the time the resource was saved, an Amazon Resource Name (ARN) of the resource, and a resource type.

Type: Array of ProtectedResource objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListProtectedResourcesByBackupVault

Service: AWS Backup

This request lists the protected resources corresponding to each backup vault.

Request Syntax

```
GET /backup-vaults/backupVaultName/resources/?
backupVaultAccountId=BackupVaultAccountId&maxResults=MaxResults&nextToken=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

BackupVaultAccountId

The list of protected resources by backup vault within the vault(s) you specify by account ID.

Pattern: `^[0-9]{12}$`

backupVaultName

The list of protected resources by backup vault within the vault(s) you specify by name.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "Results": [
      {
         "LastBackupTime": number,
         "LastBackupVaultArn": "string",
         "LastRecoveryPointArn": "string",
         "ResourceArn": "string",
         "ResourceName": "string",
         "ResourceType": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Results

These are the results returned for the request ListProtectedResourcesByBackupVault.

Type: Array of ProtectedResource objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRecoveryPointsByBackupVault

Service: AWS Backup

Returns detailed information about the recovery points stored in a backup vault.

Request Syntax

```
GET /backup-vaults/backupVaultName/recovery-points/?
backupPlanId=ByBackupPlanId&backupVaultAccountId=BackupVaultAccountId&createdAfter=ByCreatedAft
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

BackupVaultAccountId

This parameter will sort the list of recovery points by account ID.

Pattern: `^[0-9]{12}$`

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

> **Note**
>
> Backup vault name might not be available when a supported service creates the backup.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

ByBackupPlanId

Returns only recovery points that match the specified backup plan ID.

ByCreatedAfter

Returns only recovery points that were created after the specified timestamp.

ByCreatedBefore

Returns only recovery points that were created before the specified timestamp.

ByParentRecoveryPointArn

This returns only recovery points that match the specified parent (composite) recovery point Amazon Resource Name (ARN).

ByResourceArn

Returns only recovery points that match the specified resource Amazon Resource Name (ARN).

ByResourceType

Returns only recovery points that match the specified resource type(s):

- `Aurora` for Amazon Aurora
- `CloudFormation` for AWS CloudFormation
- `DocumentDB` for Amazon DocumentDB (with MongoDB compatibility)
- `DynamoDB` for Amazon DynamoDB
- `EBS` for Amazon Elastic Block Store
- `EC2` for Amazon Elastic Compute Cloud
- `EFS` for Amazon Elastic File System
- `EKS` for Amazon Elastic Kubernetes Service
- `FSx` for Amazon FSx
- `Neptune` for Amazon Neptune
- `RDS` for Amazon Relational Database Service
- `Redshift` for Amazon Redshift
- `S3` for Amazon Simple Storage Service (Amazon S3)
- `SAP HANA on Amazon EC2` for SAP HANA databases on Amazon Elastic Compute Cloud instances
- `Storage Gateway` for AWS Storage Gateway
- `Timestream` for Amazon Timestream
- `VirtualMachine` for VMware virtual machines

Pattern: ^[a-zA-Z0-9\-_\.]{1,50}$

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "RecoveryPoints": [
      {
         "AggregatedScanResult": {
            "FailedScan": boolean,
            "Findings": [ "string" ],
            "LastComputed": number
         },
         "BackupSizeInBytes": number,
         "BackupVaultArn": "string",
         "BackupVaultName": "string",
         "CalculatedLifecycle": {
            "DeleteAt": number,
            "MoveToColdStorageAt": number
         },
         "CompletionDate": number,
         "CompositeMemberIdentifier": "string",
         "CreatedBy": {
            "BackupPlanArn": "string",
```

```
            "BackupPlanId": "string",
            "BackupPlanName": "string",
            "BackupPlanVersion": "string",
            "BackupRuleCron": "string",
            "BackupRuleId": "string",
            "BackupRuleName": "string",
            "BackupRuleTimezone": "string"
         },
         "CreationDate": number,
         "EncryptionKeyArn": "string",
         "EncryptionKeyType": "string",
         "IamRoleArn": "string",
         "IndexStatus": "string",
         "IndexStatusMessage": "string",
         "InitiationDate": number,
         "IsEncrypted": boolean,
         "IsParent": boolean,
         "LastRestoreTime": number,
         "Lifecycle": {
            "DeleteAfterDays": number,
            "DeleteAfterEvent": "string",
            "MoveToColdStorageAfterDays": number,
            "OptInToArchiveForSupportedResources": boolean
         },
         "ParentRecoveryPointArn": "string",
         "RecoveryPointArn": "string",
         "ResourceArn": "string",
         "ResourceName": "string",
         "ResourceType": "string",
         "SourceBackupVaultArn": "string",
         "Status": "string",
         "StatusMessage": "string",
         "VaultType": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

RecoveryPoints

An array of objects that contain detailed information about recovery points saved in a backup vault.

Type: Array of RecoveryPointByBackupVault objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRecoveryPointsByLegalHold

Service: AWS Backup

This action returns recovery point ARNs (Amazon Resource Names) of the specified legal hold.

Request Syntax

```
GET /legal-holds/legalHoldId/recovery-points?maxResults=MaxResults&nextToken=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

legalHoldId

The ID of the legal hold.

Required: Yes

MaxResults

The maximum number of resource list items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `MaxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "NextToken": "string",
   "RecoveryPoints": [
      {
         "BackupVaultName": "string",
         "RecoveryPointArn": "string",
         "ResourceArn": "string",
         "ResourceType": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned resources.

Type: String

RecoveryPoints

The recovery points.

Type: Array of RecoveryPointMember objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRecoveryPointsByResource

Service: AWS Backup

The information about the recovery points of the type specified by a resource Amazon Resource Name (ARN).

> **Note**
>
> For Amazon EFS and Amazon EC2, this action only lists recovery points created by AWS Backup.

Request Syntax

```
GET /resources/resourceArn/recovery-points/?
managedByAWSBackupOnly=ManagedByAWSBackupOnly&maxResults=MaxResults&nextToken=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ManagedByAWSBackupOnly

This attribute filters recovery points based on ownership.

If this is set to TRUE, the response will contain recovery points associated with the selected resources that are managed by AWS Backup.

If this is set to FALSE, the response will contain all recovery points associated with the selected resource, except for EBS snapshots copied within the same Region and account.

Type: Boolean

MaxResults

The maximum number of items to be returned.

> **Note**
>
> Amazon RDS requires a value of at least 20.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

resourceArn

An ARN that uniquely identifies a resource. The format of the ARN depends on the resource type.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "RecoveryPoints": [
      {
         "AggregatedScanResult": {
            "FailedScan": boolean,
            "Findings": [ "string" ],
            "LastComputed": number
         },
         "BackupSizeBytes": number,
         "BackupVaultName": "string",
         "CreationDate": number,
         "EncryptionKeyArn": "string",
         "EncryptionKeyType": "string",
         "IndexStatus": "string",
         "IndexStatusMessage": "string",
         "IsParent": boolean,
         "ParentRecoveryPointArn": "string",
         "RecoveryPointArn": "string",
```

```
            "ResourceName": "string",
            "Status": "string",
            "StatusMessage": "string",
            "VaultType": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

RecoveryPoints

An array of objects that contain detailed information about recovery points of the specified resource type.

> **Note**
>
> Only Amazon EFS and Amazon EC2 recovery points return BackupVaultName.

Type: Array of RecoveryPointByResource objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListReportJobs

Service: AWS Backup

Returns details about your report jobs.

Request Syntax

```
GET /audit/report-jobs?
CreationAfter=ByCreationAfter&CreationBefore=ByCreationBefore&MaxResults=MaxResults&NextToken=N
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ByCreationAfter

Returns only report jobs that were created after the date and time specified in Unix format and Coordinated Universal Time (UTC). For example, the value 1516925490 represents Friday, January 26, 2018 12:11:30 AM.

ByCreationBefore

Returns only report jobs that were created before the date and time specified in Unix format and Coordinated Universal Time (UTC). For example, the value 1516925490 represents Friday, January 26, 2018 12:11:30 AM.

ByReportPlanName

Returns only report jobs with the specified report plan name.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

ByStatus

Returns only report jobs that are in the specified status. The statuses are:

`CREATED | RUNNING | COMPLETED | FAILED | COMPLETED_WITH_ISSUES`

Please note that only scanning jobs finish with state completed with issues. For backup jobs this is a console interpretation of a job that finishes in completed state and has a status message.

MaxResults

The number of desired results from 1 to 1000. Optional. If unspecified, the query will return 1 MB of data.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "ReportJobs": [
      {
         "CompletionTime": number,
         "CreationTime": number,
         "ReportDestination": {
            "S3BucketName": "string",
            "S3Keys": [ "string" ]
         },
         "ReportJobId": "string",
         "ReportPlanArn": "string",
         "ReportTemplate": "string",
         "Status": "string",
         "StatusMessage": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

ReportJobs

Details about your report jobs in JSON format.

Type: Array of ReportJob objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListReportPlans

Service: AWS Backup

Returns a list of your report plans. For detailed information about a single report plan, use `DescribeReportPlan`.

Request Syntax

```
GET /audit/report-plans?MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The number of desired results from 1 to 1000. Optional. If unspecified, the query will return 1 MB of data.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "ReportPlans": [
      {
         "CreationTime": number,
```

```
         "DeploymentStatus": "string",
         "LastAttemptedExecutionTime": number,
         "LastSuccessfulExecutionTime": number,
         "ReportDeliveryChannel": {
            "Formats": [ "string" ],
            "S3BucketName": "string",
            "S3KeyPrefix": "string"
         },
         "ReportPlanArn": "string",
         "ReportPlanDescription": "string",
         "ReportPlanName": "string",
         "ReportSetting": {
            "Accounts": [ "string" ],
            "FrameworkArns": [ "string" ],
            "NumberOfFrameworks": number,
            "OrganizationUnits": [ "string" ],
            "Regions": [ "string" ],
            "ReportTemplate": "string"
         }
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

ReportPlans

The report plans with detailed information for each plan. This information includes the Amazon Resource Name (ARN), report plan name, description, settings, delivery channel, deployment status, creation time, and last times the report plan attempted to and successfully ran.

Type: Array of ReportPlan objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

ListRestoreAccessBackupVaults

Service: AWS Backup

Returns a list of restore access backup vaults associated with a specified backup vault.

Request Syntax

```
GET /logically-air-gapped-backup-vaults/backupVaultName/restore-access-backup-vaults/?
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of the backup vault for which to list associated restore access backup vaults.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

MaxResults

The maximum number of items to return in the response.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The pagination token from a previous request to retrieve the next set of results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
```

```
   "RestoreAccessBackupVaults": [
      {
         "ApprovalDate": number,
         "CreationDate": number,
         "LatestRevokeRequest": {
            "ExpiryDate": number,
            "InitiationDate": number,
            "MpaSessionArn": "string",
            "Status": "string",
            "StatusMessage": "string"
         },
         "RestoreAccessBackupVaultArn": "string",
         "VaultState": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The pagination token to use in a subsequent request to retrieve the next set of results.

Type: String

RestoreAccessBackupVaults

A list of restore access backup vaults associated with the specified backup vault.

Type: Array of RestoreAccessBackupVaultListMember objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRestoreJobs

Service: AWS Backup

Returns a list of jobs that AWS Backup initiated to restore a saved resource, including details about the recovery process.

Request Syntax

```
GET /restore-jobs/?
accountId=ByAccountId&completeAfter=ByCompleteAfter&completeBefore=ByCompleteBefore&createdAfte
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ByAccountId

The account ID to list the jobs from. Returns only restore jobs associated with the specified account ID.

Pattern: `^[0-9]{12}$`

ByCompleteAfter

Returns only copy jobs completed after a date expressed in Unix format and Coordinated Universal Time (UTC).

ByCompleteBefore

Returns only copy jobs completed before a date expressed in Unix format and Coordinated Universal Time (UTC).

ByCreatedAfter

Returns only restore jobs that were created after the specified date.

ByCreatedBefore

Returns only restore jobs that were created before the specified date.

ByParentJobId

This is a filter to list child (nested) restore jobs based on parent restore job ID.

ByResourceType

Include this parameter to return only restore jobs for the specified resources:

- `Aurora` for Amazon Aurora
- `CloudFormation` for AWS CloudFormation
- `DocumentDB` for Amazon DocumentDB (with MongoDB compatibility)
- `DynamoDB` for Amazon DynamoDB
- `EBS` for Amazon Elastic Block Store
- `EC2` for Amazon Elastic Compute Cloud
- `EFS` for Amazon Elastic File System
- `EKS` for Amazon Elastic Kubernetes Service
- `FSx` for Amazon FSx
- `Neptune` for Amazon Neptune
- `RDS` for Amazon Relational Database Service
- `Redshift` for Amazon Redshift
- `S3` for Amazon Simple Storage Service (Amazon S3)
- `SAP HANA on Amazon EC2` for SAP HANA databases on Amazon Elastic Compute Cloud instances
- `Storage Gateway` for AWS Storage Gateway
- `Timestream` for Amazon Timestream
- `VirtualMachine` for VMware virtual machines

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

ByRestoreTestingPlanArn

This returns only restore testing jobs that match the specified resource Amazon Resource Name (ARN).

ByStatus

Returns only restore jobs associated with the specified job status.

Valid Values: `PENDING | RUNNING | COMPLETED | ABORTED | FAILED`

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "RestoreJobs": [
      {
         "AccountId": "string",
         "BackupSizeInBytes": number,
         "BackupVaultArn": "string",
         "CompletionDate": number,
         "CreatedBy": {
            "RestoreTestingPlanArn": "string"
         },
         "CreatedResourceArn": "string",
         "CreationDate": number,
         "DeletionStatus": "string",
         "DeletionStatusMessage": "string",
         "ExpectedCompletionTimeMinutes": number,
         "IamRoleArn": "string",
         "IsParent": boolean,
         "ParentJobId": "string",
         "PercentDone": "string",
         "RecoveryPointArn": "string",
         "RecoveryPointCreationDate": number,
         "ResourceType": "string",
         "RestoreJobId": "string",
         "SourceResourceArn": "string",
         "Status": "string",
```

```
            "StatusMessage": "string",
            "ValidationStatus": "string",
            "ValidationStatusMessage": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

RestoreJobs

An array of objects that contain detailed information about jobs to restore saved resources.

Type: Array of RestoreJobsListMember objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRestoreJobsByProtectedResource

Service: AWS Backup

This returns restore jobs that contain the specified protected resource.

You must include `ResourceArn`. You can optionally include `NextToken`, `ByStatus`, `MaxResults`, `ByRecoveryPointCreationDateAfter` , and `ByRecoveryPointCreationDateBefore`.

Request Syntax

```
GET /resources/resourceArn/restore-jobs/?
maxResults=MaxResults&nextToken=NextToken&recoveryPointCreationDateAfter=ByRecoveryPointCreatio
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ByRecoveryPointCreationDateAfter

Returns only restore jobs of recovery points that were created after the specified date.

ByRecoveryPointCreationDateBefore

Returns only restore jobs of recovery points that were created before the specified date.

ByStatus

Returns only restore jobs associated with the specified job status.

Valid Values: `PENDING | RUNNING | COMPLETED | ABORTED | FAILED`

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request ismade to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

resourceArn

Returns only restore jobs that match the specified resource Amazon Resource Name (ARN).

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "RestoreJobs": [
      {
         "AccountId": "string",
         "BackupSizeInBytes": number,
         "BackupVaultArn": "string",
         "CompletionDate": number,
         "CreatedBy": {
            "RestoreTestingPlanArn": "string"
         },
         "CreatedResourceArn": "string",
         "CreationDate": number,
         "DeletionStatus": "string",
         "DeletionStatusMessage": "string",
         "ExpectedCompletionTimeMinutes": number,
         "IamRoleArn": "string",
         "IsParent": boolean,
         "ParentJobId": "string",
         "PercentDone": "string",
         "RecoveryPointArn": "string",
         "RecoveryPointCreationDate": number,
         "ResourceType": "string",
         "RestoreJobId": "string",
         "SourceResourceArn": "string",
         "Status": "string",
         "StatusMessage": "string",
         "ValidationStatus": "string",
```

```
            "ValidationStatusMessage": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows youto return more items in your list starting at the location pointed to by the next token

Type: String

RestoreJobs

An array of objects that contain detailed information about jobs to restore saved resources.>

Type: Array of RestoreJobsListMember objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRestoreJobSummaries

Service: AWS Backup

This request obtains a summary of restore jobs created or running within the the most recent 14 days. You can include parameters AccountID, State, ResourceType, AggregationPeriod, MaxResults, or NextToken to filter results.

This request returns a summary that contains Region, Account, State, RestourceType, MessageCategory, StartTime, EndTime, and Count of included jobs.

Request Syntax

```
GET /audit/restore-job-summaries?
AccountId=AccountId&AggregationPeriod=AggregationPeriod&MaxResults=MaxResults&NextToken=NextTok
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AccountId

Returns the job count for the specified account.

If the request is sent from a member account or an account not part of AWS Organizations, jobs within requestor's account will be returned.

Root, admin, and delegated administrator accounts can use the value ANY to return job counts from every account in the organization.

AGGREGATE_ALL aggregates job counts from all accounts within the authenticated organization, then returns the sum.

Pattern: ^[0-9]{12}$

AggregationPeriod

The period for the returned results.

- ONE_DAY - The daily job count for the prior 14 days.
- SEVEN_DAYS - The aggregated job count for the prior 7 days.
- FOURTEEN_DAYS - The aggregated job count for prior 14 days.

Valid Values: ONE_DAY | SEVEN_DAYS | FOURTEEN_DAYS

MaxResults

This parameter sets the maximum number of items to be returned.

The value is an integer. Range of accepted values is from 1 to 500.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `MaxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

ResourceType

Returns the job count for the specified resource type. Use request `GetSupportedResourceTypes` to obtain strings for supported resource types.

The the value ANY returns count of all resource types.

`AGGREGATE_ALL` aggregates job counts for all resource types and returns the sum.

The type of AWS resource to be backed up; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database.

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

State

This parameter returns the job count for jobs with the specified state.

The the value ANY returns count of all states.

`AGGREGATE_ALL` aggregates job counts for all states and returns the sum.

Valid Values: `CREATED | PENDING | RUNNING | ABORTED | COMPLETED | FAILED | AGGREGATE_ALL | ANY`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AggregationPeriod": "string",
   "NextToken": "string",
   "RestoreJobSummaries": [
      {
         "AccountId": "string",
         "Count": number,
         "EndTime": number,
         "Region": "string",
         "ResourceType": "string",
         "StartTime": number,
         "State": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregationPeriod

The period for the returned results.

- ONE_DAY - The daily job count for the prior 14 days.
- SEVEN_DAYS - The aggregated job count for the prior 7 days.
- FOURTEEN_DAYS - The aggregated job count for prior 14 days.

Type: String

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `MaxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

RestoreJobSummaries

This return contains a summary that contains Region, Account, State, ResourceType, MessageCategory, StartTime, EndTime, and Count of included jobs.

Type: Array of RestoreJobSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRestoreTestingPlans

Service: AWS Backup

Returns a list of restore testing plans.

Request Syntax

```
GET /restore-testing/plans?MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the nexttoken.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "RestoreTestingPlans": [
      {
         "CreationTime": number,
         "LastExecutionTime": number,
         "LastUpdateTime": number,
```

```
            "RestoreTestingPlanArn": "string",
            "RestoreTestingPlanName": "string",
            "ScheduleExpression": "string",
            "ScheduleExpressionTimezone": "string",
            "StartWindowHours": number
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the nexttoken.

Type: String

RestoreTestingPlans

This is a returned list of restore testing plans.

Type: Array of RestoreTestingPlanForList objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRestoreTestingSelections

Service: AWS Backup

Returns a list of restore testing selections. Can be filtered by `MaxResults` and `RestoreTestingPlanName`.

Request Syntax

```
GET /restore-testing/plans/RestoreTestingPlanName/selections?
MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the nexttoken.

RestoreTestingPlanName

Returns restore testing selections by the specified restore testing plan name.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "NextToken": "string",
   "RestoreTestingSelections": [
      {
         "CreationTime": number,
         "IamRoleArn": "string",
         "ProtectedResourceType": "string",
         "RestoreTestingPlanName": "string",
         "RestoreTestingSelectionName": "string",
         "ValidationWindowHours": number
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the nexttoken.

Type: String

RestoreTestingSelections

The returned restore testing selections associated with the restore testing plan.

Type: Array of RestoreTestingSelectionForList objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListScanJobs

Service: AWS Backup

Returns a list of existing scan jobs for an authenticated account for the last 30 days.

Request Syntax

```
GET /scan/jobs?
ByAccountId=ByAccountId&ByBackupVaultName=ByBackupVaultName&ByCompleteAfter=ByCompleteAfter&ByC
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ByAccountId

The account ID to list the jobs from. Returns only backup jobs associated with the specified account ID.

If used from an AWS Organizations management account, passing * returns all jobs across the organization.

Pattern: `^[0-9]{12}$`

ByBackupVaultName

Returns only scan jobs that will be stored in the specified backup vault. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_\.]{2,50}$`

ByCompleteAfter

Returns only scan jobs completed after a date expressed in Unix format and Coordinated Universal Time (UTC).

ByCompleteBefore

Returns only backup jobs completed before a date expressed in Unix format and Coordinated Universal Time (UTC).

ByMalwareScanner

Returns only the scan jobs for the specified malware scanner. Currently only supports GUARDDUTY.

Valid Values: GUARDDUTY

ByRecoveryPointArn

Returns only the scan jobs that are ran against the specified recovery point.

ByResourceArn

Returns only scan jobs that match the specified resource Amazon Resource Name (ARN).

ByResourceType

Returns restore testing selections by the specified restore testing plan name.

- EBSfor Amazon Elastic Block Store
- EC2for Amazon Elastic Compute Cloud
- S3for Amazon Simple Storage Service (Amazon S3)

Pattern: ^[a-zA-Z0-9\-_\.]{1,50}$

Valid Values: EBS | EC2 | S3

ByScanResultStatus

Returns only the scan jobs for the specified scan results:

- THREATS_FOUND
- NO_THREATS_FOUND

Valid Values: NO_THREATS_FOUND | THREATS_FOUND | UNKNOWN

ByState

Returns only the scan jobs for the specified scanning job state.

Valid Values: CANCELED | COMPLETED | COMPLETED_WITH_ISSUES | CREATED | FAILED | RUNNING

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "ScanJobs": [
      {
         "AccountId": "string",
         "BackupVaultArn": "string",
         "BackupVaultName": "string",
         "CompletionDate": number,
         "ContinuousScanEndTime": number,
         "ContinuousScanStartTime": number,
         "CreatedBy": {
            "BackupPlanArn": "string",
            "BackupPlanId": "string",
            "BackupPlanVersion": "string",
            "BackupRuleId": "string"
         },
         "CreationDate": number,
         "IamRoleArn": "string",
         "MalwareScanner": "string",
         "RecoveryPointArn": "string",
         "ResourceArn": "string",
         "ResourceName": "string",
         "ResourceType": "string",
         "ScanBaseRecoveryPointArn": "string",
```

```
            "ScanId": "string",
            "ScanJobId": "string",
            "ScanMode": "string",
            "ScannerRoleArn": "string",
            "ScanResult": {
               "ScanResultStatus": "string"
            },
            "State": "string",
            "StatusMessage": "string"
         }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

ScanJobs

An array of structures containing metadata about your scan jobs returned in JSON format.

Type: Array of ScanJob objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListScanJobSummaries

Service: AWS Backup

This is a request for a summary of scan jobs created or running within the most recent 14 days.

Request Syntax

```
GET /audit/scan-job-summaries?
AccountId=AccountId&AggregationPeriod=AggregationPeriod&MalwareScanner=MalwareScanner&MaxResult
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AccountId

Returns the job count for the specified account.

If the request is sent from a member account or an account not part of AWS Organizations, jobs within requestor's account will be returned.

Root, admin, and delegated administrator accounts can use the value ANY to return job counts from every account in the organization.

AGGREGATE_ALL aggregates job counts from all accounts within the authenticated organization, then returns the sum.

Pattern: ^[0-9]{12}$

AggregationPeriod

The period for the returned results.

- ONE_DAYThe daily job count for the prior 1 day.
- SEVEN_DAYSThe daily job count for the prior 7 days.
- FOURTEEN_DAYSThe daily job count for the prior 14 days.

Valid Values: ONE_DAY | SEVEN_DAYS | FOURTEEN_DAYS

MalwareScanner

Returns only the scan jobs for the specified malware scanner. Currently the only MalwareScanner is GUARDDUTY. But the field also supports ANY, and AGGREGATE_ALL.

Valid Values: GUARDDUTY

MaxResults

The maximum number of items to be returned.

The value is an integer. Range of accepted values is from 1 to 500.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

ResourceType

Returns the job count for the specified resource type. Use request `GetSupportedResourceTypes` to obtain strings for supported resource types.

The the value `ANY` returns count of all resource types.

`AGGREGATE_ALL` aggregates job counts for all resource types and returns the sum.

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

ScanResultStatus

Returns only the scan jobs for the specified scan results.

Valid Values: `NO_THREATS_FOUND | THREATS_FOUND | UNKNOWN`

State

Returns only the scan jobs for the specified scanning job state.

Valid Values: `CREATED | COMPLETED | COMPLETED_WITH_ISSUES | RUNNING | FAILED | CANCELED | AGGREGATE_ALL | ANY`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AggregationPeriod": "string",
   "NextToken": "string",
   "ScanJobSummaries": [
      {
         "AccountId": "string",
         "Count": number,
         "EndTime": number,
         "MalwareScanner": "string",
         "Region": "string",
         "ResourceType": "string",
         "ScanResultStatus": "string",
         "StartTime": number,
         "State": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AggregationPeriod

The period for the returned results.

- ONE_DAYThe daily job count for the prior 1 day.
- SEVEN_DAYSThe daily job count for the prior 7 days.
- FOURTEEN_DAYSThe daily job count for the prior 14 days.

Valid Values: 'ONE_DAY' | 'SEVEN_DAYS' | 'FOURTEEN_DAYS'

Type: String

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

ScanJobSummaries

The summary information.

Type: Array of ScanJobSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListTags

Service: AWS Backup

Returns the tags assigned to the resource, such as a target recovery point, backup plan, or backup vault.

This operation returns results depending on the resource type used in the value for `resourceArn`. For example, recovery points of Amazon DynamoDB with Advanced Settings have an ARN (Amazon Resource Name) that begins with `arn:aws:backup`. Recovery points (backups) of DynamoDB without Advanced Settings enabled have an ARN that begins with `arn:aws:dynamodb`.

When this operation is called and when you include values of `resourceArn` that have an ARN other than `arn:aws:backup`, it may return one of the exceptions listed below. To prevent this exception, include only values representing resource types that are fully managed by AWS Backup. These have an ARN that begins `arn:aws:backup` and they are noted in the Feature availability by resource table.

Request Syntax

```
GET /tags/resourceArn/?maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

resourceArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the type of resource. Valid targets for `ListTags` are recovery points, backup plans, and backup vaults.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "Tags": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Tags

Information about the tags.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListTieringConfigurations

Service: AWS Backup

Returns a list of tiering configurations.

Request Syntax

```
GET /tiering-configurations/?maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "TieringConfigurations": [
      {
         "BackupVaultName": "string",
         "CreationTime": number,
         "LastUpdatedTime": number,
         "TieringConfigurationArn": "string",
```

```
            "TieringConfigurationName": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned items. For example, if a request is made to return `MaxResults` number of items, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

TieringConfigurations

An array of tiering configurations returned by the `ListTieringConfigurations` call.

Type: Array of TieringConfigurationsListMember objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutBackupVaultAccessPolicy

Service: AWS Backup

Sets a resource-based policy that is used to manage access permissions on the target backup vault. Requires a backup vault name and an access policy document in JSON format.

Request Syntax

```
PUT /backup-vaults/backupVaultName/access-policy HTTP/1.1
Content-type: application/json

{
   "Policy": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Policy

The backup vault access policy document in JSON format.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutBackupVaultLockConfiguration

Service: AWS Backup

Applies AWS Backup Vault Lock to a backup vault, preventing attempts to delete any recovery point stored in or created in a backup vault. Vault Lock also prevents attempts to update the lifecycle policy that controls the retention period of any recovery point currently stored in a backup vault. If specified, Vault Lock enforces a minimum and maximum retention period for future backup and copy jobs that target a backup vault.

> **Note**
>
> AWS Backup Vault Lock has been assessed by Cohasset Associates for use in environments that are subject to SEC 17a-4, CFTC, and FINRA regulations. For more information about how AWS Backup Vault Lock relates to these regulations, see the Cohasset Associates Compliance Assessment.

For more information, see AWS Backup Vault Lock.

Request Syntax

```
PUT /backup-vaults/backupVaultName/vault-lock HTTP/1.1
Content-type: application/json

{
   "ChangeableForDays": number,
   "MaxRetentionDays": number,
   "MinRetentionDays": number
}
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The AWS Backup Vault Lock configuration that specifies the name of the backup vault it protects.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ChangeableForDays

The AWS Backup Vault Lock configuration that specifies the number of days before the lock date. For example, setting `ChangeableForDays` to 30 on Jan. 1, 2022 at 8pm UTC will set the lock date to Jan. 31, 2022 at 8pm UTC.

AWS Backup enforces a 72-hour cooling-off period before Vault Lock takes effect and becomes immutable. Therefore, you must set `ChangeableForDays` to 3 or greater.

The maximum value you can specify is 36,500 days (approximately 100 years).

Before the lock date, you can delete Vault Lock from the vault using `DeleteBackupVaultLockConfiguration` or change the Vault Lock configuration using `PutBackupVaultLockConfiguration`. On and after the lock date, the Vault Lock becomes immutable and cannot be changed or deleted.

If this parameter is not specified, you can delete Vault Lock from the vault using `DeleteBackupVaultLockConfiguration` or change the Vault Lock configuration using `PutBackupVaultLockConfiguration` at any time.

Type: Long

Required: No

MaxRetentionDays

The AWS Backup Vault Lock configuration that specifies the maximum retention period that the vault retains its recovery points. This setting can be useful if, for example, your organization's policies require you to destroy certain data after retaining it for four years (1460 days).

If this parameter is not included, Vault Lock does not enforce a maximum retention period on the recovery points in the vault. If this parameter is included without a value, Vault Lock will not enforce a maximum retention period.

If this parameter is specified, any backup or copy job to the vault must have a lifecycle policy with a retention period equal to or shorter than the maximum retention period. If the job's

retention period is longer than that maximum retention period, then the vault fails the backup or copy job, and you should either modify your lifecycle settings or use a different vault. The longest maximum retention period you can specify is 36500 days (approximately 100 years). Recovery points already saved in the vault prior to Vault Lock are not affected.

Type: Long

Required: No

MinRetentionDays

The AWS Backup Vault Lock configuration that specifies the minimum retention period that the vault retains its recovery points. This setting can be useful if, for example, your organization's policies require you to retain certain data for at least seven years (2555 days).

This parameter is required when a vault lock is created through AWS CloudFormation; otherwise, this parameter is optional. If this parameter is not specified, Vault Lock will not enforce a minimum retention period.

If this parameter is specified, any backup or copy job to the vault must have a lifecycle policy with a retention period equal to or longer than the minimum retention period. If the job's retention period is shorter than that minimum retention period, then the vault fails that backup or copy job, and you should either modify your lifecycle settings or use a different vault. The shortest minimum retention period you can specify is 1 day. Recovery points already saved in the vault prior to Vault Lock are not affected.

Type: Long

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutBackupVaultNotifications

Service: AWS Backup

Turns on notifications on a backup vault for the specified topic and events.

Request Syntax

```
PUT /backup-vaults/backupVaultName/notification-configuration HTTP/1.1
Content-type: application/json

{
   "BackupVaultEvents": [ "string" ],
   "SNSTopicArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

BackupVaultEvents

An array of events that indicate the status of jobs to back up resources to the backup vault. For the list of supported events, common use cases, and code samples, see Notification options with AWS Backup.

> **Note**
>
> The list below includes both supported events and deprecated events that are no longer in use (for reference). Deprecated events do not return statuses or notifications.

Type: Array of strings

Valid Values: `BACKUP_JOB_STARTED | BACKUP_JOB_COMPLETED | BACKUP_JOB_SUCCESSFUL | BACKUP_JOB_FAILED | BACKUP_JOB_EXPIRED | RESTORE_JOB_STARTED | RESTORE_JOB_COMPLETED | RESTORE_JOB_SUCCESSFUL | RESTORE_JOB_FAILED | COPY_JOB_STARTED | COPY_JOB_SUCCESSFUL | COPY_JOB_FAILED | RECOVERY_POINT_MODIFIED | BACKUP_PLAN_CREATED | BACKUP_PLAN_MODIFIED | S3_BACKUP_OBJECT_FAILED | S3_RESTORE_OBJECT_FAILED | CONTINUOUS_BACKUP_INTERRUPTED | RECOVERY_POINT_INDEX_COMPLETED | RECOVERY_POINT_INDEX_DELETED | RECOVERY_POINT_INDEXING_FAILED | EKS_RESTORE_OBJECT_FAILED | EKS_RESTORE_OBJECT_SKIPPED | EKS_BACKUP_OBJECT_FAILED | ACCESS_POINT_AVAILABLE | ACCESS_POINT_CREATION_FAILED | ACCESS_POINT_DELETED | ACCESS_POINT_DELETION_FAILED | ACCESS_POINT_EXPIRED | ACCESS_POINT_DISASSOCIATED`

Required: Yes

SNSTopicArn

The Amazon Resource Name (ARN) that specifies the topic for a backup vault's events; for example, `arn:aws:sns:us-west-2:111122223333:MyVaultTopic`.

Type: String

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutRestoreValidationResult

Service: AWS Backup

This request allows you to send your independent self-run restore test validation results. `RestoreJobId` and `ValidationStatus` are required. Optionally, you can input a `ValidationStatusMessage`.

Request Syntax

```
PUT /restore-jobs/restoreJobId/validations HTTP/1.1
Content-type: application/json

{
   "ValidationStatus": "string",
   "ValidationStatusMessage": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

restoreJobId

This is a unique identifier of a restore job within AWS Backup.

Required: Yes

Request Body

The request accepts the following data in JSON format.

ValidationStatus

The status of your restore validation.

Type: String

Valid Values: `FAILED | SUCCESSFUL | TIMED_OUT | VALIDATING`

Required: Yes

ValidationStatusMessage

This is an optional message string you can input to describe the validation status for the restore test validation.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

RevokeRestoreAccessBackupVault

Service: AWS Backup

Revokes access to a restore access backup vault, removing the ability to restore from its recovery points and permanently deleting the vault.

Request Syntax

```
DELETE /logically-air-gapped-backup-vaults/backupVaultName/restore-access-backup-vaults/restoreAccessBackupVaultArn?requesterComment=RequesterComment HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of the source backup vault associated with the restore access backup vault to be revoked.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

RequesterComment

A comment explaining the reason for revoking access to the restore access backup vault.

restoreAccessBackupVaultArn

The ARN of the restore access backup vault to revoke.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartBackupJob

Service: AWS Backup

Starts an on-demand backup job for the specified resource.

Request Syntax

```
PUT /backup-jobs HTTP/1.1
Content-type: application/json

{
   "BackupOptions": {
      "string" : "string"
   },
   "BackupVaultName": "string",
   "CompleteWindowMinutes": number,
   "IamRoleArn": "string",
   "IdempotencyToken": "string",
   "Index": "string",
   "Lifecycle": {
      "DeleteAfterDays": number,
      "DeleteAfterEvent": "string",
      "MoveToColdStorageAfterDays": number,
      "OptInToArchiveForSupportedResources": boolean
   },
   "LogicallyAirGappedBackupVaultArn": "string",
   "RecoveryPointTags": {
      "string" : "string"
   },
   "ResourceArn": "string",
   "StartWindowMinutes": number
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

BackupOptions

The backup option for a selected resource. This option is only available for Windows Volume Shadow Copy Service (VSS) backup jobs.

Valid values: Set to `"WindowsVSS":"enabled"` to enable the `WindowsVSS` backup option and create a Windows VSS backup. Set to `"WindowsVSS""disabled"` to create a regular backup. The `WindowsVSS` option is not enabled by default.

Type: String to string map

Key Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Value Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

CompleteWindowMinutes

A value in minutes during which a successfully started backup must complete, or else AWS Backup will cancel the job. This value is optional. This value begins counting down from when the backup was scheduled. It does not add additional time for `StartWindowMinutes`, or if the backup started later than scheduled.

Like `StartWindowMinutes`, this parameter has a maximum value of 100 years (52,560,000 minutes).

Type: Long

Required: No

IamRoleArn

Specifies the IAM role ARN used to create the target recovery point; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: Yes

IdempotencyToken

A customer-chosen string that you can use to distinguish between otherwise identical calls to `StartBackupJob`. Retrying a successful request with the same idempotency token results in a success message with no action taken.

Type: String

Required: No

Index

Include this parameter to enable index creation if your backup job has a resource type that supports backup indexes.

Resource types that support backup indexes include:

- EBS for Amazon Elastic Block Store
- S3 for Amazon Simple Storage Service (Amazon S3)

Index can have 1 of 2 possible values, either `ENABLED` or `DISABLED`.

To create a backup index for an eligible `ACTIVE` recovery point that does not yet have a backup index, set value to `ENABLED`.

To delete a backup index, set value to `DISABLED`.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

Lifecycle

The lifecycle defines when a protected resource is transitioned to cold storage and when it expires. AWS Backup will transition and expire backups automatically according to the lifecycle that you define.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, the “retention” setting must be 90 days greater than the “transition to cold after days” setting. The “transition to cold after days” setting cannot be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

This parameter has a maximum value of 100 years (36,500 days).

Type: Lifecycle object

Required: No

LogicallyAirGappedBackupVaultArn

The ARN of a logically air-gapped vault. ARN must be in the same account and Region. If provided, supported fully managed resources back up directly to logically air-gapped vault, while other supported resources create a temporary (billable) snapshot in backup vault, then copy it to logically air-gapped vault. Unsupported resources only back up to the specified backup vault.

Type: String

Required: No

RecoveryPointTags

The tags to assign to the resources.

Type: String to string map

Required: No

ResourceArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

Required: Yes

StartWindowMinutes

A value in minutes after a backup is scheduled before a job will be canceled if it doesn't start successfully. This value is optional, and the default is 8 hours. If this value is included, it must be at least 60 minutes to avoid errors.

This parameter has a maximum value of 100 years (52,560,000 minutes).

During the start window, the backup job status remains in `CREATED` status until it has successfully begun or until the start window time has run out. If within the start window time AWS Backup receives an error that allows the job to be retried, AWS Backup will automatically retry to begin the job at least every 10 minutes until the backup successfully begins (the job status changes to `RUNNING`) or until the job status changes to `EXPIRED` (which is expected to occur when the start window time is over).

Type: Long

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupJobId": "string",
   "CreationDate": number,
   "IsParent": boolean,
   "RecoveryPointArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupJobId

Uniquely identifies a request to AWS Backup to back up a resource.

Type: String

CreationDate

The date and time that a backup job is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

IsParent

This is a returned boolean value indicating this is a parent (composite) backup job.

Type: Boolean

RecoveryPointArn

Note: This field is only returned for Amazon EFS and Advanced DynamoDB resources.

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartCopyJob

Service: AWS Backup

Starts a job to create a one-time copy of the specified resource.

Does not support continuous backups.

See Copy job retry for information on how AWS Backup retries copy job operations.

Request Syntax

```
PUT /copy-jobs HTTP/1.1
Content-type: application/json

{
   "DestinationBackupVaultArn": "string",
   "IamRoleArn": "string",
   "IdempotencyToken": "string",
   "Lifecycle": {
      "DeleteAfterDays": number,
      "DeleteAfterEvent": "string",
      "MoveToColdStorageAfterDays": number,
      "OptInToArchiveForSupportedResources": boolean
   },
   "RecoveryPointArn": "string",
   "SourceBackupVaultName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

DestinationBackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a destination backup vault to copy to; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

Required: Yes

IamRoleArn

Specifies the IAM role ARN used to copy the target recovery point; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: Yes

IdempotencyToken

A customer-chosen string that you can use to distinguish between otherwise identical calls to `StartCopyJob`. Retrying a successful request with the same idempotency token results in a success message with no action taken.

Type: String

Required: No

Lifecycle

Specifies the time period, in days, before a recovery point transitions to cold storage or is deleted.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, on the console, the retention setting must be 90 days greater than the transition to cold after days setting. The transition to cold after days setting can't be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

To remove the existing lifecycle and retention periods and keep your recovery points indefinitely, specify -1 for `MoveToColdStorageAfterDays` and `DeleteAfterDays`.

Type: Lifecycle object

Required: No

RecoveryPointArn

An ARN that uniquely identifies a recovery point to use for the copy job; for example, arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45.

Type: String

Required: Yes

SourceBackupVaultName

The name of a logical source container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CopyJobId": "string",
   "CreationDate": number,
   "IsParent": boolean
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CopyJobId

Uniquely identifies a copy job.

Type: String

CreationDate

The date and time that a copy job is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

IsParent

This is a returned boolean value indicating this is a parent (composite) copy job.

Type: Boolean

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartReportJob

Service: AWS Backup

Starts an on-demand report job for the specified report plan.

Request Syntax

```
POST /audit/report-jobs/reportPlanName HTTP/1.1
Content-type: application/json

{
   "IdempotencyToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

reportPlanName

The unique name of a report plan.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

IdempotencyToken

A customer-chosen string that you can use to distinguish between otherwise identical calls to `StartReportJobInput`. Retrying a successful request with the same idempotency token results in a success message with no action taken.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ReportJobId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ReportJobId

The identifier of the report job. A unique, randomly generated, Unicode, UTF-8 encoded string that is at most 1,024 bytes long. The report job ID cannot be edited.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

StartRestoreJob

Service: AWS Backup

Recovers the saved resource identified by an Amazon Resource Name (ARN).

Request Syntax

```
PUT /restore-jobs HTTP/1.1
Content-type: application/json

{
   "CopySourceTagsToRestoredResource": boolean,
   "IamRoleArn": "string",
   "IdempotencyToken": "string",
   "Metadata": {
      "string" : "string"
   },
   "RecoveryPointArn": "string",
   "ResourceType": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

CopySourceTagsToRestoredResource

This is an optional parameter. If this equals `True`, tags included in the backup will be copied to the restored resource.

This can only be applied to backups created through AWS Backup.

Type: Boolean

Required: No

IamRoleArn

The Amazon Resource Name (ARN) of the IAM role that AWS Backup uses to create the target resource; for example: `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: No

IdempotencyToken

A customer-chosen string that you can use to distinguish between otherwise identical calls to `StartRestoreJob`. Retrying a successful request with the same idempotency token results in a success message with no action taken.

Type: String

Required: No

Metadata

A set of metadata key-value pairs.

You can get configuration metadata about a resource at the time it was backed up by calling `GetRecoveryPointRestoreMetadata`. However, values in addition to those provided by `GetRecoveryPointRestoreMetadata` might be required to restore a resource. For example, you might need to provide a new resource name if the original already exists.

For more information about the metadata for each resource, see the following:

- Metadata for Amazon Aurora
- Metadata for Amazon DocumentDB
- Metadata for AWS CloudFormation
- Metadata for Amazon DynamoDB
- Metadata for Amazon EBS
- Metadata for Amazon EC2
- Metadata for Amazon EFS
- Metadata for Amazon EKS
- Metadata for Amazon FSx
- Metadata for Amazon Neptune
- Metadata for Amazon RDS
- Metadata for Amazon Redshift
- Metadata for AWS Storage Gateway

- Metadata for Amazon S3
- Metadata for Amazon Timestream
- Metadata for virtual machines

Type: String to string map

Required: Yes

RecoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Required: Yes

ResourceType

Starts a job to restore a recovery point for one of the following resources:

- `Aurora` - Amazon Aurora
- `DocumentDB` - Amazon DocumentDB
- `CloudFormation` - AWS CloudFormation
- `DynamoDB` - Amazon DynamoDB
- `EBS` - Amazon Elastic Block Store
- `EC2` - Amazon Elastic Compute Cloud
- `EFS` - Amazon Elastic File System
- `EKS` - Amazon Elastic Kubernetes Service
- `FSx` - Amazon FSx
- `Neptune` - Amazon Neptune
- `RDS` - Amazon Relational Database Service
- `Redshift` - Amazon Redshift
- `Storage Gateway` - AWS Storage Gateway
- `S3` - Amazon Simple Storage Service
- `Timestream` - Amazon Timestream

- `VirtualMachine` - Virtual machines

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "RestoreJobId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RestoreJobId

Uniquely identifies the job that restores a recovery point.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartScanJob

Service: AWS Backup

Starts scanning jobs for specific resources.

Request Syntax

```
PUT /scan/job HTTP/1.1
Content-type: application/json

{
   "BackupVaultName": "string",
   "ContinuousScanEndTime": number,
   "IamRoleArn": "string",
   "IdempotencyToken": "string",
   "MalwareScanner": "string",
   "RecoveryPointArn": "string",
   "ScanBaseRecoveryPointArn": "string",
   "ScanMode": "string",
   "ScannerRoleArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Type: String

Required: Yes

ContinuousScanEndTime

The point in time the scan job will scan up to for a continuous backup.

Type: Timestamp

Required: No

IamRoleArn

Specifies the IAM role ARN used to create the target recovery point; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: Yes

IdempotencyToken

A customer-chosen string that you can use to distinguish between otherwise identical calls to `StartScanJob`. Retrying a successful request with the same idempotency token results in a success message with no action taken.

Type: String

Required: No

MalwareScanner

Specifies the malware scanner used during the scan job. Currently only supports `GUARDDUTY`.

Type: String

Valid Values: `GUARDDUTY`

Required: Yes

RecoveryPointArn

An Amazon Resource Name (ARN) that uniquely identifies a recovery point. This is your target recovery point for a full scan. If you are running an incremental scan, this will be your a recovery point which has been created after your base recovery point selection.

Type: String

Required: Yes

ScanBaseRecoveryPointArn

An ARN that uniquely identifies the base recovery point to be used for incremental scanning.

Type: String

Required: No

ScanMode

Specifies the scan type use for the scan job.

Includes:

- FULL_SCAN will scan the entire data lineage within the backup.
- INCREMENTAL_SCAN will scan the data difference between the target recovery point and base recovery point ARN.

Type: String

Valid Values: FULL_SCAN | INCREMENTAL_SCAN

Required: Yes

ScannerRoleArn

Specified the IAM scanner role ARN.

Type: String

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "CreationDate": number,
   "ScanJobId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

CreationDate

The date and time that a backup job is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

ScanJobId

Uniquely identifies a request to AWS Backup to back up a resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StopBackupJob

Service: AWS Backup

Attempts to cancel a job to create a one-time backup of a resource.

This action is not supported for the following services:

- Amazon Aurora
- Amazon DocumentDB (with MongoDB compatibility)
- Amazon FSx for Lustre
- Amazon FSx for NetApp ONTAP
- Amazon FSx for OpenZFS
- Amazon FSx for Windows File Server
- Amazon Neptune
- SAP HANA databases on Amazon EC2 instances
- Amazon RDS

Request Syntax

```
POST /backup-jobs/backupJobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

backupJobId

Uniquely identifies a request to AWS Backup to back up a resource.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TagResource

Service: AWS Backup

Assigns a set of key-value pairs to a resource.

Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json

{
   "Tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN that uniquely identifies the resource.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Tags

Key-value pairs that are used to help organize your resources. You can assign your own metadata to the resources you create. For clarity, this is the structure to assign tags: `[{"Key":"string","Value":"string"}]`.

Type: String to string map

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UntagResource

Service: AWS Backup

Removes a set of key-value pairs from a recovery point, backup plan, or backup vault identified by an Amazon Resource Name (ARN)

This API is not supported for recovery points for resource types including Aurora, Amazon DocumentDB. Amazon EBS, Amazon FSx, Neptune, and Amazon RDS.

Request Syntax

```
POST /untag/resourceArn HTTP/1.1
Content-type: application/json

{
   "TagKeyList": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

An ARN that uniquely identifies a resource. The format of the ARN depends on the type of the tagged resource.

ARNs that do not include `backup` are incompatible with tagging. `TagResource` and `UntagResource` with invalid ARNs will result in an error. Acceptable ARN content can include `arn:aws:backup:us-east`. Invalid ARN content may look like `arn:aws:ec2:us-east`.

Required: Yes

Request Body

The request accepts the following data in JSON format.

TagKeyList

The keys to identify which key-value tags to remove from a resource.

Type: Array of strings

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateBackupPlan

Service: AWS Backup

Updates the specified backup plan. The new version is uniquely identified by its ID.

Request Syntax

```
POST /backup/plans/backupPlanId HTTP/1.1
Content-type: application/json

{
   "BackupPlan": {
      "AdvancedBackupSettings": [
         {
            "BackupOptions": {
               "string" : "string"
            },
            "ResourceType": "string"
         }
      ],
      "BackupPlanName": "string",
      "Rules": [
         {
            "CompletionWindowMinutes": number,
            "CopyActions": [
               {
                  "DestinationBackupVaultArn": "string",
                  "Lifecycle": {
                     "DeleteAfterDays": number,
                     "DeleteAfterEvent": "string",
                     "MoveToColdStorageAfterDays": number,
                     "OptInToArchiveForSupportedResources": boolean
                  }
               }
            ],
            "EnableContinuousBackup": boolean,
            "IndexActions": [
               {
                  "ResourceTypes": [ "string" ]
               }
            ],
            "Lifecycle": {
               "DeleteAfterDays": number,
```

```
            "DeleteAfterEvent": "string",
            "MoveToColdStorageAfterDays": number,
            "OptInToArchiveForSupportedResources": boolean
         },
         "RecoveryPointTags": {
            "string" : "string"
         },
         "RuleName": "string",
         "ScanActions": [
            {
               "MalwareScanner": "string",
               "ScanMode": "string"
            }
         ],
         "ScheduleExpression": "string",
         "ScheduleExpressionTimezone": "string",
         "StartWindowMinutes": number,
         "TargetBackupVaultName": "string",
         "TargetLogicallyAirGappedBackupVaultArn": "string"
      }
   ],
   "ScanSettings": [
      {
         "MalwareScanner": "string",
         "ResourceTypes": [ "string" ],
         "ScannerRoleArn": "string"
      }
   ]
}
}
```

URI Request Parameters

The request uses the following URI parameters.

backupPlanId

The ID of the backup plan.

Required: Yes

Request Body

The request accepts the following data in JSON format.

BackupPlan

The body of a backup plan. Includes a `BackupPlanName` and one or more sets of `Rules`.

Type: BackupPlanInput object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AdvancedBackupSettings": [
      {
         "BackupOptions": {
            "string" : "string"
         },
         "ResourceType": "string"
      }
   ],
   "BackupPlanArn": "string",
   "BackupPlanId": "string",
   "CreationDate": number,
   "ScanSettings": [
      {
         "MalwareScanner": "string",
         "ResourceTypes": [ "string" ],
         "ScannerRoleArn": "string"
      }
   ],
   "VersionId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AdvancedBackupSettings

Contains a list of `BackupOptions` for each resource type.

Type: Array of AdvancedBackupSetting objects

BackupPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a backup plan; for example, `arn:aws:backup:us-east-1:123456789012:plan:8F81F553-3A74-4A3F-B93D-B3360DC80C50`.

Type: String

BackupPlanId

Uniquely identifies a backup plan.

Type: String

CreationDate

The date and time a backup plan is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

ScanSettings

Contains your scanning configuration for the backup plan and includes the Malware scanner, your selected resources, and scanner role.

Type: Array of ScanSetting objects

VersionId

Unique, randomly generated, Unicode, UTF-8 encoded strings that are at most 1,024 bytes long. Version Ids cannot be edited.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateFramework

Service: AWS Backup

Updates the specified framework.

Request Syntax

```
PUT /audit/frameworks/frameworkName HTTP/1.1
Content-type: application/json

{
   "FrameworkControls": [
      {
         "ControlInputParameters": [
            {
               "ParameterName": "string",
               "ParameterValue": "string"
            }
         ],
         "ControlName": "string",
         "ControlScope": {
            "ComplianceResourceIds": [ "string" ],
            "ComplianceResourceTypes": [ "string" ],
            "Tags": {
               "string" : "string"
            }
         }
      }
   ],
   "FrameworkDescription": "string",
   "IdempotencyToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

frameworkName

The unique name of a framework. This name is between 1 and 256 characters, starting with a letter, and consisting of letters (a-z, A-Z), numbers (0-9), and underscores (_).

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

FrameworkControls

The controls that make up the framework. Each control in the list has a name, input parameters, and scope.

Type: Array of FrameworkControl objects

Required: No

FrameworkDescription

An optional description of the framework with a maximum 1,024 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

IdempotencyToken

A customer-chosen string that you can use to distinguish between otherwise identical calls to `UpdateFrameworkInput`. Retrying a successful request with the same idempotency token results in a success message with no action taken.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "CreationTime": number,
   "FrameworkArn": "string",
   "FrameworkName": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreationTime

The date and time that a framework is created, in ISO 8601 representation. The value of `CreationTime` is accurate to milliseconds. For example, 2020-07-10T15:00:00.000-08:00 represents the 10th of July 2020 at 3:00 PM 8 hours behind UTC.

Type: Timestamp

FrameworkArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

FrameworkName

The unique name of a framework. This name is between 1 and 256 characters, starting with a letter, and consisting of letters (a-z, A-Z), numbers (0-9), and underscores (_).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

ConflictException

AWS Backup can't perform the action that you requested until it finishes performing a previous action. Try again later.

Context

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateGlobalSettings

Service: AWS Backup

Updates whether the AWS account has enabled different cross-account management options, including cross-account backup, multi-party approval, and delegated administrator. Returns an error if the account is not an Organizations management account. Use the `DescribeGlobalSettings` API to determine the current settings.

Request Syntax

```
PUT /global-settings HTTP/1.1
Content-type: application/json

{
   "GlobalSettings": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

GlobalSettings

Inputs can include:

A value for `isCrossAccountBackupEnabled`. Values can be true or false. Example: `update-global-settings --global-settings isCrossAccountBackupEnabled=false`.

A value for Multi-party approval, styled as `isMpaEnabled`. Values can be true or false. Example: `update-global-settings --global-settings isMpaEnabled=false`.

A value for Backup Service-Linked Role creation, styled as `isDelegatedAdministratorEnabled`. Values can be true or false. Example: `update-global-settings --global-settings isDelegatedAdministratorEnabled=false`.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateRecoveryPointIndexSettings

Service: AWS Backup

This operation updates the settings of a recovery point index.

Required: BackupVaultName, RecoveryPointArn, and IAMRoleArn

Request Syntax

```
POST /backup-vaults/backupVaultName/recovery-points/recoveryPointArn/index HTTP/1.1
Content-type: application/json

{
   "IamRoleArn": "string",
   "Index": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the Region where they are created.

Accepted characters include lowercase letters, numbers, and hyphens.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

recoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Required: Yes

Request Body

The request accepts the following data in JSON format.

IamRoleArn

This specifies the IAM role ARN used for this operation.

For example, arn:aws:iam::123456789012:role/S3Access

Type: String

Required: No

Index

Index can have 1 of 2 possible values, either `ENABLED` or `DISABLED`.

To create a backup index for an eligible `ACTIVE` recovery point that does not yet have a backup index, set value to `ENABLED`.

To delete a backup index, set value to `DISABLED`.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupVaultName": "string",
   "Index": "string",
   "IndexStatus": "string",
   "RecoveryPointArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Index

Index can have 1 of 2 possible values, either `ENABLED` or `DISABLED`.

A value of `ENABLED` means a backup index for an eligible `ACTIVE` recovery point has been created.

A value of `DISABLED` means a backup index was deleted.

Type: String

Valid Values: `ENABLED | DISABLED`

IndexStatus

This is the current status for the backup index associated with the specified recovery point.

Statuses are: `PENDING` | `ACTIVE` | `FAILED` | `DELETING`

A recovery point with an index that has the status of `ACTIVE` can be included in a search.

Type: String

Valid Values: `PENDING | ACTIVE | FAILED | DELETING`

RecoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateRecoveryPointLifecycle

Service: AWS Backup

Sets the transition lifecycle of a recovery point.

The lifecycle defines when a protected resource is transitioned to cold storage and when it expires. AWS Backup transitions and expires backups automatically according to the lifecycle that you define.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, the “retention” setting must be 90 days greater than the “transition to cold after days” setting. The “transition to cold after days” setting cannot be changed after a backup has been transitioned to cold.

> **Important**
>
> If your lifecycle currently uses the parameters `DeleteAfterDays` and `MoveToColdStorageAfterDays`, include these parameters and their values when you call this operation. Not including them may result in your plan updating with null values.

This operation does not support continuous backups.

Request Syntax

```
POST /backup-vaults/backupVaultName/recovery-points/recoveryPointArn HTTP/1.1
Content-type: application/json

{
   "Lifecycle": {
      "DeleteAfterDays": number,
      "DeleteAfterEvent": "string",
      "MoveToColdStorageAfterDays": number,
      "OptInToArchiveForSupportedResources": boolean
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

backupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

recoveryPointArn

An Amazon Resource Name (ARN) that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Lifecycle

The lifecycle defines when a protected resource is transitioned to cold storage and when it expires. AWS Backup transitions and expires backups automatically according to the lifecycle that you define.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, the “retention” setting must be 90 days greater than the “transition to cold after days” setting. The “transition to cold after days” setting cannot be changed after a backup has been transitioned to cold.

Type: Lifecycle object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BackupVaultArn": "string",
   "CalculatedLifecycle": {
      "DeleteAt": number,
      "MoveToColdStorageAt": number
   },
   "Lifecycle": {
      "DeleteAfterDays": number,
      "DeleteAfterEvent": "string",
      "MoveToColdStorageAfterDays": number,
      "OptInToArchiveForSupportedResources": boolean
   },
   "RecoveryPointArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BackupVaultArn

An ARN that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

CalculatedLifecycle

A `CalculatedLifecycle` object containing `DeleteAt` and `MoveToColdStorageAt` timestamps.

Type: CalculatedLifecycle object

Lifecycle

The lifecycle defines when a protected resource is transitioned to cold storage and when it expires. AWS Backup transitions and expires backups automatically according to the lifecycle that you define.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, the “retention” setting must be 90 days greater than the “transition to cold after days” setting. The “transition to cold after days” setting cannot be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

Type: Lifecycle object

RecoveryPointArn

An Amazon Resource Name (ARN) that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

InvalidRequestException

Indicates that something is wrong with the input to the request. For example, a parameter is of the wrong type.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateRegionSettings

Service: AWS Backup

Updates the current service opt-in settings for the Region.

Use the `DescribeRegionSettings` API to determine the resource types that are supported.

Request Syntax

```
PUT /account-settings HTTP/1.1
Content-type: application/json

{
   "ResourceTypeManagementPreference": {
      "string" : boolean
   },
   "ResourceTypeOptInPreference": {
      "string" : boolean
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceTypeManagementPreference

Enables or disables full AWS Backup management of backups for a resource type. To enable full AWS Backup management for DynamoDB along with AWS Backup's advanced DynamoDB backup features, follow the procedure to enable advanced DynamoDB backup programmatically.

Type: String to boolean map

Key Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

ResourceTypeOptInPreference

Updates the list of services along with the opt-in preferences for the Region.

If resource assignments are only based on tags, then service opt-in settings are applied. If a resource type is explicitly assigned to a backup plan, such as Amazon S3, Amazon EC2, or Amazon RDS, it will be included in the backup even if the opt-in is not enabled for that particular service. If both a resource type and tags are specified in a resource assignment, the resource type specified in the backup plan takes priority over the tag condition. Service opt-in settings are disregarded in this situation.

Type: String to boolean map

Key Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateReportPlan

Service: AWS Backup

Updates the specified report plan.

Request Syntax

```
PUT /audit/report-plans/reportPlanName HTTP/1.1
Content-type: application/json

{
   "IdempotencyToken": "string",
   "ReportDeliveryChannel": {
      "Formats": [ "string" ],
      "S3BucketName": "string",
      "S3KeyPrefix": "string"
   },
   "ReportPlanDescription": "string",
   "ReportSetting": {
      "Accounts": [ "string" ],
      "FrameworkArns": [ "string" ],
      "NumberOfFrameworks": number,
      "OrganizationUnits": [ "string" ],
      "Regions": [ "string" ],
      "ReportTemplate": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

reportPlanName

The unique name of the report plan. This name is between 1 and 256 characters, starting with a letter, and consisting of letters (a-z, A-Z), numbers (0-9), and underscores (_).

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

IdempotencyToken

A customer-chosen string that you can use to distinguish between otherwise identical calls to `UpdateReportPlanInput`. Retrying a successful request with the same idempotency token results in a success message with no action taken.

Type: String

Required: No

ReportDeliveryChannel

The information about where to deliver your reports, specifically your Amazon S3 bucket name, S3 key prefix, and the formats of your reports.

Type: ReportDeliveryChannel object

Required: No

ReportPlanDescription

An optional description of the report plan with a maximum 1,024 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

ReportSetting

The report template for the report. Reports are built using a report template. The report templates are:

`RESOURCE_COMPLIANCE_REPORT | CONTROL_COMPLIANCE_REPORT | BACKUP_JOB_REPORT | COPY_JOB_REPORT | RESTORE_JOB_REPORT`

If the report template is `RESOURCE_COMPLIANCE_REPORT` or `CONTROL_COMPLIANCE_REPORT`, this API resource also describes the report coverage by AWS Regions and frameworks.

Type: ReportSetting object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CreationTime": number,
   "ReportPlanArn": "string",
   "ReportPlanName": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreationTime

The date and time that a report plan is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

ReportPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

ReportPlanName

The unique name of the report plan.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConflictException

AWS Backup can't perform the action that you requested until it finishes performing a previous action. Try again later.

Context

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateRestoreTestingPlan

Service: AWS Backup

This request will send changes to your specified restore testing plan. `RestoreTestingPlanName` cannot be updated after it is created.

`RecoveryPointSelection` can contain:

- `Algorithm`
- `ExcludeVaults`
- `IncludeVaults`
- `RecoveryPointTypes`
- `SelectionWindowDays`

Request Syntax

```
PUT /restore-testing/plans/RestoreTestingPlanName HTTP/1.1
Content-type: application/json

{
   "RestoreTestingPlan": {
      "RecoveryPointSelection": {
         "Algorithm": "string",
         "ExcludeVaults": [ "string" ],
         "IncludeVaults": [ "string" ],
         "RecoveryPointTypes": [ "string" ],
         "SelectionWindowDays": number
      },
      "ScheduleExpression": "string",
      "ScheduleExpressionTimezone": "string",
      "StartWindowHours": number
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

RestoreTestingPlanName

The name of the restore testing plan name.

Required: Yes

Request Body

The request accepts the following data in JSON format.

RestoreTestingPlan

Specifies the body of a restore testing plan.

Type: RestoreTestingPlanForUpdate object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CreationTime": number,
   "RestoreTestingPlanArn": "string",
   "RestoreTestingPlanName": "string",
   "UpdateTime": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreationTime

The time the resource testing plan was created.

Type: Timestamp

RestoreTestingPlanArn

Unique ARN (Amazon Resource Name) of the restore testing plan.

Type: String

RestoreTestingPlanName

The name cannot be changed after creation. The name consists of only alphanumeric characters and underscores. Maximum length is 50.

Type: String

UpdateTime

The time the update completed for the restore testing plan.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConflictException

AWS Backup can't perform the action that you requested until it finishes performing a previous action. Try again later.

Context

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateRestoreTestingSelection

Service: AWS Backup

Updates the specified restore testing selection.

Most elements except the `RestoreTestingSelectionName` can be updated with this request.

You can use either protected resource ARNs or conditions, but not both.

Request Syntax

```
PUT /restore-testing/plans/RestoreTestingPlanName/
selections/RestoreTestingSelectionName HTTP/1.1
Content-type: application/json

{
   "RestoreTestingSelection": {
      "IamRoleArn": "string",
      "ProtectedResourceArns": [ "string" ],
      "ProtectedResourceConditions": {
         "StringEquals": [
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "StringNotEquals": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      },
      "RestoreMetadataOverrides": {
         "string" : "string"
      },
      "ValidationWindowHours": number
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

RestoreTestingPlanName

The restore testing plan name is required to update the indicated testing plan.

Required: Yes

RestoreTestingSelectionName

The required restore testing selection name of the restore testing selection you wish to update.

Required: Yes

Request Body

The request accepts the following data in JSON format.

RestoreTestingSelection

To update your restore testing selection, you can use either protected resource ARNs or conditions, but not both. That is, if your selection has `ProtectedResourceArns`, requesting an update with the parameter `ProtectedResourceConditions` will be unsuccessful.

Type: RestoreTestingSelectionForUpdate object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CreationTime": number,
   "RestoreTestingPlanArn": "string",
   "RestoreTestingPlanName": "string",
   "RestoreTestingSelectionName": "string",
   "UpdateTime": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreationTime

The time the resource testing selection was updated successfully.

Type: Timestamp

RestoreTestingPlanArn

Unique string that is the name of the restore testing plan.

Type: String

RestoreTestingPlanName

The restore testing plan with which the updated restore testing selection is associated.

Type: String

RestoreTestingSelectionName

The returned restore testing selection name.

Type: String

UpdateTime

The time the update completed for the restore testing selection.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConflictException

AWS Backup can't perform the action that you requested until it finishes performing a previous action. Try again later.

Context

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateTieringConfiguration

Service: AWS Backup

This request will send changes to your specified tiering configuration. `TieringConfigurationName` cannot be updated after it is created.

`ResourceSelection` can contain:

- `Resources`
- `TieringDownSettingsInDays`
- `ResourceType`

Request Syntax

```
PUT /tiering-configurations/tieringConfigurationName HTTP/1.1
Content-type: application/json

{
   "TieringConfiguration": {
      "BackupVaultName": "string",
      "ResourceSelection": [
         {
            "Resources": [ "string" ],
            "ResourceType": "string",
            "TieringDownSettingsInDays": number
         }
      ]
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

tieringConfigurationName

The name of a tiering configuration to update.

Pattern: `^[a-zA-Z0-9_]{1,200}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

TieringConfiguration

Specifies the body of a tiering configuration.

Type: TieringConfigurationInputForUpdate object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CreationTime": number,
   "LastUpdatedTime": number,
   "TieringConfigurationArn": "string",
   "TieringConfigurationName": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreationTime

The date and time a tiering configuration was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087AM.

Type: Timestamp

LastUpdatedTime

The date and time a tiering configuration was updated, in Unix format and Coordinated Universal Time (UTC). The value of `LastUpdatedTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087AM.

Type: Timestamp

TieringConfigurationArn

An Amazon Resource Name (ARN) that uniquely identifies the updated tiering configuration.

Type: String

TieringConfigurationName

This unique string is the name of the tiering configuration.

Type: String

Pattern: `^[a-zA-Z0-9_]{1,200}$`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AlreadyExistsException

The required resource already exists.

Arn

Context

CreatorRequestId

Type

HTTP Status Code: 400

ConflictException

AWS Backup can't perform the action that you requested until it finishes performing a previous action. Try again later.

Context

Type

HTTP Status Code: 400

InvalidParameterValueException

Indicates that something is wrong with a parameter's value. For example, the value is out of range.

Context

Type

HTTP Status Code: 400

LimitExceededException

A limit in the request has been exceeded; for example, a maximum number of items allowed in a request.

Context

Type

HTTP Status Code: 400

MissingParameterValueException

Indicates that a required parameter is missing.

Context

Type

HTTP Status Code: 400

ResourceNotFoundException

A resource that is required for the action doesn't exist.

Context

Type

HTTP Status Code: 400

ServiceUnavailableException

The request failed due to a temporary failure of the server.

Context

Type

HTTP Status Code: 500

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

AWS Backup gateway

The following actions are supported by AWS Backup gateway:

- AssociateGatewayToServer
- CreateGateway
- DeleteGateway
- DeleteHypervisor
- DisassociateGatewayFromServer

- GetBandwidthRateLimitSchedule
- GetGateway
- GetHypervisor
- GetHypervisorPropertyMappings
- GetVirtualMachine
- ImportHypervisorConfiguration
- ListGateways
- ListHypervisors
- ListTagsForResource
- ListVirtualMachines
- PutBandwidthRateLimitSchedule
- PutHypervisorPropertyMappings
- PutMaintenanceStartTime
- StartVirtualMachinesMetadataSync
- TagResource
- TestHypervisorConfiguration
- UntagResource
- UpdateGatewayInformation
- UpdateGatewaySoftwareNow
- UpdateHypervisor

AssociateGatewayToServer

Service: AWS Backup gateway

Associates a backup gateway with your server. After you complete the association process, you can back up and restore your VMs through the gateway.

Request Syntax

```
{
   "GatewayArn": "string",
   "ServerArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

GatewayArn

The Amazon Resource Name (ARN) of the gateway. Use the `ListGateways` operation to return a list of gateways for your account and AWS Region.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

ServerArn

The Amazon Resource Name (ARN) of the server that hosts your virtual machines.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "GatewayArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GatewayArn

The Amazon Resource Name (ARN) of a gateway.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConflictException

The operation cannot proceed because it is not supported.

ErrorCode

A description of why the operation is not supported.

HTTP Status Code: 400

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

CreateGateway

Service: AWS Backup gateway

Creates a backup gateway. After you create a gateway, you can associate it with a server using the `AssociateGatewayToServer` operation.

Request Syntax

```
{
   "ActivationKey": "string",
   "GatewayDisplayName": "string",
   "GatewayType": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ActivationKey

The activation key of the created gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[0-9a-zA-Z\-]+`

Required: Yes

GatewayDisplayName

The display name of the created gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: Yes

GatewayType

The type of created gateway.

Type: String

Valid Values: `BACKUP_VM`

Required: Yes

Tags

A list of up to 50 tags to assign to the gateway. Each tag is a key-value pair.

Type: Array of Tag objects

Required: No

Response Syntax

```
{
   "GatewayArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GatewayArn

The Amazon Resource Name (ARN) of the gateway you create.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteGateway

Service: AWS Backup gateway

Deletes a backup gateway.

Request Syntax

```
{
   "GatewayArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

GatewayArn

The Amazon Resource Name (ARN) of the gateway to delete.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "GatewayArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GatewayArn

The Amazon Resource Name (ARN) of the gateway you deleted.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteHypervisor

Service: AWS Backup gateway

Deletes a hypervisor.

Request Syntax

```
{
   "HypervisorArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor to delete.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "HypervisorArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor you deleted.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

The operation cannot proceed because you have insufficient permissions.

ErrorCode

A description of why you have insufficient permissions.

HTTP Status Code: 400

ConflictException

The operation cannot proceed because it is not supported.

ErrorCode

A description of why the operation is not supported.

HTTP Status Code: 400

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DisassociateGatewayFromServer

Service: AWS Backup gateway

Disassociates a backup gateway from the specified server. After the disassociation process finishes, the gateway can no longer access the virtual machines on the server.

Request Syntax

```
{
   "GatewayArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

GatewayArn

The Amazon Resource Name (ARN) of the gateway to disassociate.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "GatewayArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GatewayArn

The Amazon Resource Name (ARN) of the gateway you disassociated.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConflictException

The operation cannot proceed because it is not supported.

ErrorCode

A description of why the operation is not supported.

HTTP Status Code: 400

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetBandwidthRateLimitSchedule

Service: AWS Backup gateway

Retrieves the bandwidth rate limit schedule for a specified gateway. By default, gateways do not have bandwidth rate limit schedules, which means no bandwidth rate limiting is in effect. Use this to get a gateway's bandwidth rate limit schedule.

Request Syntax

```
{
   "GatewayArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

GatewayArn

The Amazon Resource Name (ARN) of the gateway. Use the `ListGateways` operation to return a list of gateways for your account and AWS Region.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "BandwidthRateLimitIntervals": [
      {
         "AverageUploadRateLimitInBitsPerSec": number,
         "DaysOfWeek": [ number ],
```

```
            "EndHourOfDay": number,
            "EndMinuteOfHour": number,
            "StartHourOfDay": number,
            "StartMinuteOfHour": number
        }
    ],
    "GatewayArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BandwidthRateLimitIntervals

An array containing bandwidth rate limit schedule intervals for a gateway. When no bandwidth rate limit intervals have been scheduled, the array is empty.

Type: Array of BandwidthRateLimitInterval objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

GatewayArn

The Amazon Resource Name (ARN) of the gateway. Use the `ListGateways` operation to return a list of gateways for your account and AWS Region.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetGateway

Service: AWS Backup gateway

By providing the ARN (Amazon Resource Name), this API returns the gateway.

Request Syntax

```
{
   "GatewayArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

GatewayArn

The Amazon Resource Name (ARN) of the gateway.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "Gateway": {
      "DeprecationDate": number,
      "GatewayArn": "string",
      "GatewayDisplayName": "string",
      "GatewayType": "string",
      "HypervisorId": "string",
      "LastSeenTime": number,
      "MaintenanceStartTime": {
```

```
            "DayOfMonth": number,
            "DayOfWeek": number,
            "HourOfDay": number,
            "MinuteOfHour": number
         },
         "NextUpdateAvailabilityTime": number,
         "SoftwareVersion": "string",
         "VpcEndpoint": "string"
      }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Gateway

By providing the ARN (Amazon Resource Name), this API returns the gateway.

Type: GatewayDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetHypervisor

Service: AWS Backup gateway

This action requests information about the specified hypervisor to which the gateway will connect. A hypervisor is hardware, software, or firmware that creates and manages virtual machines, and allocates resources to them.

Request Syntax

```
{
   "HypervisorArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "Hypervisor": {
      "Host": "string",
      "HypervisorArn": "string",
      "KmsKeyArn": "string",
      "LastSuccessfulMetadataSyncTime": number,
```

```
      "LatestMetadataSyncStatus": "string",
      "LatestMetadataSyncStatusMessage": "string",
      "LogGroupArn": "string",
      "Name": "string",
      "State": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Hypervisor

Details about the requested hypervisor.

Type: HypervisorDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetHypervisorPropertyMappings

Service: AWS Backup gateway

This action retrieves the property mappings for the specified hypervisor. A hypervisor property mapping displays the relationship of entity properties available from the hypervisor to the properties available in AWS.

Request Syntax

```
{
   "HypervisorArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "HypervisorArn": "string",
   "IamRoleArn": "string",
   "VmwareToAwsTagMappings": [
      {
         "AwsTagKey": "string",
```

```
            "AwsTagValue": "string",
            "VmwareCategory": "string",
            "VmwareTagName": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

IamRoleArn

The Amazon Resource Name (ARN) of the IAM role.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(aws|aws-cn|aws-us-gov):iam::([0-9]+):role/(\S+)`

VmwareToAwsTagMappings

This is a display of the mappings of VMware tags to the AWS tags.

Type: Array of VmwareToAwsTagMapping objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetVirtualMachine

Service: AWS Backup gateway

By providing the ARN (Amazon Resource Name), this API returns the virtual machine.

Request Syntax

```
{
   "ResourceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceArn

The Amazon Resource Name (ARN) of the virtual machine.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "VirtualMachine": {
      "HostName": "string",
      "HypervisorId": "string",
      "LastBackupDate": number,
      "Name": "string",
      "Path": "string",
      "ResourceArn": "string",
      "VmwareTags": [
```

```
            {
               "VmwareCategory": "string",
               "VmwareTagDescription": "string",
               "VmwareTagName": "string"
            }
         ]
      }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VirtualMachine

This object contains the basic attributes of `VirtualMachine` contained by the output of `GetVirtualMachine`

Type: VirtualMachineDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ImportHypervisorConfiguration

Service: AWS Backup gateway

Connect to a hypervisor by importing its configuration.

Request Syntax

```
{
   "Host": "string",
   "KmsKeyArn": "string",
   "Name": "string",
   "Password": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Username": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Host

The server host of the hypervisor. This can be either an IP address or a fully-qualified domain name (FQDN).

Type: String

Length Constraints: Minimum length of 3. Maximum length of 128.

Pattern: `.+`

Required: Yes

KmsKeyArn

The AWS Key Management Service for the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `(^arn:(aws|aws-cn|aws-us-gov):kms:([a-zA-Z0-9-]+):([0-9]+):(key|alias)/(\S+)$)|(^alias/(\S+)$)`

Required: No

Name

The name of the hypervisor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: Yes

Password

The password for the hypervisor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[ -~]+`

Required: No

Tags

The tags of the hypervisor configuration to import.

Type: Array of Tag objects

Required: No

Username

The username for the hypervisor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[ -\.0-\[\]-~]*[!-\.0-\[\]-~][ -\.0-\[\]-~]*`

Required: No

Response Syntax

```
{
   "HypervisorArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor you disassociated.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

The operation cannot proceed because you have insufficient permissions.

ErrorCode

A description of why you have insufficient permissions.

HTTP Status Code: 400

ConflictException

The operation cannot proceed because it is not supported.

ErrorCode

A description of why the operation is not supported.

HTTP Status Code: 400

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListGateways

Service: AWS Backup gateway

Lists backup gateways owned by an AWS account in an AWS Region. The returned list is ordered by gateway Amazon Resource Name (ARN).

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of gateways to list.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `MaxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `.+`

Required: No

Response Syntax

```
{
   "Gateways": [
      {
         "GatewayArn": "string",
         "GatewayDisplayName": "string",
         "GatewayType": "string",
         "HypervisorId": "string",
         "LastSeenTime": number
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Gateways

A list of your gateways.

Type: Array of Gateway objects

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `maxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `.+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListHypervisors

Service: AWS Backup gateway

Lists your hypervisors.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of hypervisors to list.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `maxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `.+`

Required: No

Response Syntax

```
{
   "Hypervisors": [
      {
         "Host": "string",
         "HypervisorArn": "string",
         "KmsKeyArn": "string",
         "Name": "string",
         "State": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Hypervisors

A list of your `Hypervisor` objects, ordered by their Amazon Resource Names (ARNs).

Type: Array of Hypervisor objects

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `maxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `.+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListTagsForResource

Service: AWS Backup gateway

Lists the tags applied to the resource identified by its Amazon Resource Name (ARN).

Request Syntax

```
{
   "ResourceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceArn

The Amazon Resource Name (ARN) of the resource's tags to list.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "ResourceArn": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResourceArn

The Amazon Resource Name (ARN) of the resource's tags that you listed.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Tags

A list of the resource's tags.

Type: Array of Tag objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListVirtualMachines

Service: AWS Backup gateway

Lists your virtual machines.

Request Syntax

```
{
   "HypervisorArn": "string",
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor connected to your virtual machine.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: No

MaxResults

The maximum number of virtual machines to list.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `maxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `.+`

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "VirtualMachines": [
      {
         "HostName": "string",
         "HypervisorId": "string",
         "LastBackupDate": number,
         "Name": "string",
         "Path": "string",
         "ResourceArn": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned resources. For example, if a request is made to return `maxResults` number of resources, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `.+`

VirtualMachines

A list of your `VirtualMachine` objects, ordered by their Amazon Resource Names (ARNs).

Type: Array of VirtualMachine objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutBandwidthRateLimitSchedule

Service: AWS Backup gateway

This action sets the bandwidth rate limit schedule for a specified gateway. By default, gateways do not have a bandwidth rate limit schedule, which means no bandwidth rate limiting is in effect. Use this to initiate a gateway's bandwidth rate limit schedule.

Request Syntax

```
{
   "BandwidthRateLimitIntervals": [
      {
         "AverageUploadRateLimitInBitsPerSec": number,
         "DaysOfWeek": [ number ],
         "EndHourOfDay": number,
         "EndMinuteOfHour": number,
         "StartHourOfDay": number,
         "StartMinuteOfHour": number
      }
   ],
   "GatewayArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

BandwidthRateLimitIntervals

An array containing bandwidth rate limit schedule intervals for a gateway. When no bandwidth rate limit intervals have been scheduled, the array is empty.

Type: Array of BandwidthRateLimitInterval objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: Yes

GatewayArn

The Amazon Resource Name (ARN) of the gateway. Use the ListGateways operation to return a list of gateways for your account and AWS Region.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "GatewayArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GatewayArn

The Amazon Resource Name (ARN) of the gateway. Use the ListGateways operation to return a list of gateways for your account and AWS Region.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutHypervisorPropertyMappings

Service: AWS Backup gateway

This action sets the property mappings for the specified hypervisor. A hypervisor property mapping displays the relationship of entity properties available from the hypervisor to the properties available in AWS.

Request Syntax

```
{
   "HypervisorArn": "string",
   "IamRoleArn": "string",
   "VmwareToAwsTagMappings": [
      {
         "AwsTagKey": "string",
         "AwsTagValue": "string",
         "VmwareCategory": "string",
         "VmwareTagName": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

IamRoleArn

The Amazon Resource Name (ARN) of the IAM role.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(aws|aws-cn|aws-us-gov):iam::([0-9]+):role/(\S+)`

Required: Yes

VmwareToAwsTagMappings

This action requests the mappings of VMware tags to the AWS tags.

Type: Array of VmwareToAwsTagMapping objects

Required: Yes

Response Syntax

```
{
   "HypervisorArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

The operation cannot proceed because you have insufficient permissions.

ErrorCode

A description of why you have insufficient permissions.

HTTP Status Code: 400

ConflictException

The operation cannot proceed because it is not supported.

ErrorCode

A description of why the operation is not supported.

HTTP Status Code: 400

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutMaintenanceStartTime

Service: AWS Backup gateway

Set the maintenance start time for a gateway.

Request Syntax

```
{
   "DayOfMonth": number,
   "DayOfWeek": number,
   "GatewayArn": "string",
   "HourOfDay": number,
   "MinuteOfHour": number
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

DayOfMonth

The day of the month start maintenance on a gateway.

Valid values range from Sunday to Saturday.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 31.

Required: No

DayOfWeek

The day of the week to start maintenance on a gateway.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 6.

Required: No

GatewayArn

The Amazon Resource Name (ARN) for the gateway, used to specify its maintenance start time.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

HourOfDay

The hour of the day to start maintenance on a gateway.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 23.

Required: Yes

MinuteOfHour

The minute of the hour to start maintenance on a gateway.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 59.

Required: Yes

Response Syntax

```
{
   "GatewayArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GatewayArn

The Amazon Resource Name (ARN) of a gateway for which you set the maintenance start time.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConflictException

The operation cannot proceed because it is not supported.

ErrorCode

A description of why the operation is not supported.

HTTP Status Code: 400

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartVirtualMachinesMetadataSync

Service: AWS Backup gateway

This action sends a request to sync metadata across the specified virtual machines.

Request Syntax

```
{
   "HypervisorArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
   "HypervisorArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

The operation cannot proceed because you have insufficient permissions.

ErrorCode

A description of why you have insufficient permissions.

HTTP Status Code: 400

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TagResource

Service: AWS Backup gateway

Tag the resource.

Request Syntax

```
{
   "ResourceARN": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceARN

The Amazon Resource Name (ARN) of the resource to tag.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Tags

A list of tags to assign to the resource.

Type: Array of Tag objects

Required: Yes

Response Syntax

```
{
   "ResourceARN": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResourceARN

The Amazon Resource Name (ARN) of the resource you tagged.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TestHypervisorConfiguration

Service: AWS Backup gateway

Tests your hypervisor configuration to validate that backup gateway can connect with the hypervisor and its resources.

Request Syntax

```
{
   "GatewayArn": "string",
   "Host": "string",
   "Password": "string",
   "Username": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

GatewayArn

The Amazon Resource Name (ARN) of the gateway to the hypervisor to test.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Host

The server host of the hypervisor. This can be either an IP address or a fully-qualified domain name (FQDN).

Type: String

Length Constraints: Minimum length of 3. Maximum length of 128.

Pattern: `.+`

Required: Yes

Password

The password for the hypervisor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[ -~]+`

Required: No

Username

The username for the hypervisor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[ -\.0-\[\]-~]*[!-\.0-\[\]-~][ -\.0-\[\]-~]*`

Required: No

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConflictException

The operation cannot proceed because it is not supported.

ErrorCode

A description of why the operation is not supported.

HTTP Status Code: 400

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UntagResource

Service: AWS Backup gateway

Removes tags from the resource.

Request Syntax

```
{
   "ResourceARN": "string",
   "TagKeys": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceARN

The Amazon Resource Name (ARN) of the resource from which to remove tags.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

TagKeys

The list of tag keys specifying which tags to remove.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `([\p{L}\p{Z}\p{N}_.:/=+\-@]*)`

Required: Yes

Response Syntax

```
{
   "ResourceARN": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResourceARN

The Amazon Resource Name (ARN) of the resource from which you removed tags.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateGatewayInformation

Service: AWS Backup gateway

Updates a gateway's name. Specify which gateway to update using the Amazon Resource Name (ARN) of the gateway in your request.

Request Syntax

```
{
   "GatewayArn": "string",
   "GatewayDisplayName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

GatewayArn

The Amazon Resource Name (ARN) of the gateway to update.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

GatewayDisplayName

The updated display name of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: No

Response Syntax

```
{
   "GatewayArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GatewayArn

The Amazon Resource Name (ARN) of the gateway you updated.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConflictException

The operation cannot proceed because it is not supported.

ErrorCode

A description of why the operation is not supported.

HTTP Status Code: 400

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateGatewaySoftwareNow

Service: AWS Backup gateway

Updates the gateway virtual machine (VM) software. The request immediately triggers the software update.

> **Note**
>
> When you make this request, you get a `200 OK` success response immediately. However, it might take some time for the update to complete.

Request Syntax

```
{
   "GatewayArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

GatewayArn

The Amazon Resource Name (ARN) of the gateway to be updated.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

Response Syntax

```
{
```

```
   "GatewayArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GatewayArn

The Amazon Resource Name (ARN) of the gateway you updated.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateHypervisor

Service: AWS Backup gateway

Updates a hypervisor metadata, including its host, username, and password. Specify which hypervisor to update using the Amazon Resource Name (ARN) of the hypervisor in your request.

Request Syntax

```
{
   "Host": "string",
   "HypervisorArn": "string",
   "LogGroupArn": "string",
   "Name": "string",
   "Password": "string",
   "Username": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Host

The updated host of the hypervisor. This can be either an IP address or a fully-qualified domain name (FQDN).

Type: String

Length Constraints: Minimum length of 3. Maximum length of 128.

Pattern: `.+`

Required: No

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor to update.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: Yes

LogGroupArn

The Amazon Resource Name (ARN) of the group of gateways within the requested log.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `$|^arn:(aws|aws-cn|aws-us-gov):logs:([a-zA-Z0-9-]+):([0-9]+):log-group:[a-zA-Z0-9_\-\/\.]+:\*`

Required: No

Name

The updated name for the hypervisor

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: No

Password

The updated password for the hypervisor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[ -~]+`

Required: No

Username

The updated username for the hypervisor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[ -\.0-\[\]-~]*[!-\.0-\[\]-~][ -\.0-\[\]-~]*`

Required: No

Response Syntax

```
{
   "HypervisorArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor you updated.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

The operation cannot proceed because you have insufficient permissions.

ErrorCode

A description of why you have insufficient permissions.

HTTP Status Code: 400

ConflictException

The operation cannot proceed because it is not supported.

ErrorCode

A description of why the operation is not supported.

HTTP Status Code: 400

InternalServerException

The operation did not succeed because an internal error occurred. Try again later.

ErrorCode

A description of which internal error occured.

HTTP Status Code: 500

ResourceNotFoundException

A resource that is required for the action wasn't found.

ErrorCode

A description of which resource wasn't found.

HTTP Status Code: 400

ThrottlingException

TPS has been limited to protect against intentional or unintentional high request volumes.

ErrorCode

Error: TPS has been limited to protect against intentional or unintentional high request volumes.

HTTP Status Code: 400

ValidationException

The operation did not succeed because a validation error occurred.

ErrorCode

A description of what caused the validation error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

AWS Backup search

The following actions are supported by AWS Backup search:

- GetSearchJob
- GetSearchResultExportJob
- ListSearchJobBackups
- ListSearchJobResults
- ListSearchJobs
- ListSearchResultExportJobs
- ListTagsForResource
- StartSearchJob
- StartSearchResultExportJob
- StopSearchJob
- TagResource

- UntagResource

GetSearchJob

Service: AWS Backup search

This operation retrieves metadata of a search job, including its progress.

Request Syntax

```
GET /search-jobs/SearchJobIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

SearchJobIdentifier

Required unique string that specifies the search job.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CompletionTime": number,
   "CreationTime": number,
   "CurrentSearchProgress": {
      "ItemsMatchedCount": number,
      "ItemsScannedCount": number,
      "RecoveryPointsScannedCount": number
   },
   "EncryptionKeyArn": "string",
   "ItemFilters": {
      "EBSItemFilters": [
         {
            "CreationTimes": [
               {
```

```
                "Operator": "string",
                "Value": number
            }
        ],
        "FilePaths": [
            {
                "Operator": "string",
                "Value": "string"
            }
        ],
        "LastModificationTimes": [
            {
                "Operator": "string",
                "Value": number
            }
        ],
        "Sizes": [
            {
                "Operator": "string",
                "Value": number
            }
        ]
    }
],
"S3ItemFilters": [
    {
        "CreationTimes": [
            {
                "Operator": "string",
                "Value": number
            }
        ],
        "ETags": [
            {
                "Operator": "string",
                "Value": "string"
            }
        ],
        "ObjectKeys": [
            {
                "Operator": "string",
                "Value": "string"
            }
        ],
```

```
            "Sizes": [
               {
                  "Operator": "string",
                  "Value": number
               }
            ],
            "VersionIds": [
               {
                  "Operator": "string",
                  "Value": "string"
               }
            ]
         }
      ]
   },
   "Name": "string",
   "SearchJobArn": "string",
   "SearchJobIdentifier": "string",
   "SearchScope": {
      "BackupResourceArns": [ "string" ],
      "BackupResourceCreationTime": {
         "CreatedAfter": number,
         "CreatedBefore": number
      },
      "BackupResourceTags": {
         "string" : "string"
      },
      "BackupResourceTypes": [ "string" ],
      "SourceResourceArns": [ "string" ]
   },
   "SearchScopeSummary": {
      "TotalItemsToScanCount": number,
      "TotalRecoveryPointsToScanCount": number
   },
   "Status": "string",
   "StatusMessage": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CompletionTime

The date and time that a search job completed, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

CreationTime

The date and time that a search job was created, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

CurrentSearchProgress

Returns numbers representing BackupsScannedCount, ItemsScanned, and ItemsMatched.

Type: CurrentSearchProgress object

EncryptionKeyArn

The encryption key for the specified search job.

Example: `arn:aws:kms:us-west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab`.

Type: String

ItemFilters

Item Filters represent all input item properties specified when the search was created.

Type: ItemFilters object

Name

Returned name of the specified search job.

Type: String

SearchJobArn

The unique string that identifies the Amazon Resource Name (ARN) of the specified search job.

Type: String

SearchJobIdentifier

The unique string that identifies the specified search job.

Type: String

SearchScope

The search scope is all backup properties input into a search.

Type: SearchScope object

SearchScopeSummary

Returned summary of the specified search job scope, including:

- TotalBackupsToScanCount, the number of recovery points returned by the search.
- TotalItemsToScanCount, the number of items returned by the search.

Type: SearchScopeSummary object

Status

The current status of the specified search job.

A search job may have one of the following statuses: `RUNNING`; `COMPLETED`; `STOPPED`; `FAILED`; `TIMED_OUT`; or `EXPIRED` .

Type: String

Valid Values: `RUNNING | COMPLETED | STOPPING | STOPPED | FAILED`

StatusMessage

A status message will be returned for either a earch job with a status of `ERRORED` or a status of `COMPLETED` jobs with issues.

For example, a message may say that a search contained recovery points unable to be scanned because of a permissions issue.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found for this request.

Confirm the resource information, such as the ARN or type is correct and exists, then retry the request.

message

Request references a resource which does not exist.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

GetSearchResultExportJob

Service: AWS Backup search

This operation retrieves the metadata of an export job.

An export job is an operation that transmits the results of a search job to a specified S3 bucket in a .csv file.

An export job allows you to retain results of a search beyond the search job's scheduled retention of 7 days.

Request Syntax

```
GET /export-search-jobs/ExportJobIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ExportJobIdentifier

This is the unique string that identifies a specific export job.

Required for this operation.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CompletionTime": number,
   "CreationTime": number,
   "ExportJobArn": "string",
```

```
    "ExportJobIdentifier": "string",
    "ExportSpecification": { ... },
    "SearchJobArn": "string",
    "Status": "string",
    "StatusMessage": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CompletionTime

The date and time that an export job completed, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

CreationTime

The date and time that an export job was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

ExportJobArn

The unique Amazon Resource Name (ARN) that uniquely identifies the export job.

Type: String

ExportJobIdentifier

This is the unique string that identifies the specified export job.

Type: String

ExportSpecification

The export specification consists of the destination S3 bucket to which the search results were exported, along with the destination prefix.

Type: ExportSpecification object

Note: This object is a Union. Only one member of this object can be specified or returned.

SearchJobArn

The unique string that identifies the Amazon Resource Name (ARN) of the specified search job.

Type: String

Status

This is the current status of the export job.

Type: String

Valid Values: `RUNNING | FAILED | COMPLETED`

StatusMessage

A status message is a string that is returned for search job with a status of `FAILED`, along with steps to remedy and retry the operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found for this request.

Confirm the resource information, such as the ARN or type is correct and exists, then retry the request.

message

Request references a resource which does not exist.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSearchJobBackups

Service: AWS Backup search

This operation returns a list of all backups (recovery points) in a paginated format that were included in the search job.

If a search does not display an expected backup in the results, you can call this operation to display each backup included in the search. Any backups that were not included because they have a `FAILED` status from a permissions issue will be displayed, along with a status message.

Only recovery points with a backup index that has a status of `ACTIVE` will be included in search results. If the index has any other status, its status will be displayed along with a status message.

Request Syntax

```
GET /search-jobs/SearchJobIdentifier/backups?maxResults=MaxResults&nextToken=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of resource list items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned backups included in a search job.

For example, if a request is made to return `MaxResults` number of backups, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

SearchJobIdentifier

The unique string that specifies the search job.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "Results": [
      {
         "BackupCreationTime": number,
         "BackupResourceArn": "string",
         "IndexCreationTime": number,
         "ResourceType": "string",
         "SourceResourceArn": "string",
         "Status": "string",
         "StatusMessage": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned backups included in a search job.

For example, if a request is made to return `MaxResults` number of backups, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Results

The recovery points returned the results of a search job

Type: Array of SearchJobBackupsResult objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found for this request.

Confirm the resource information, such as the ARN or type is correct and exists, then retry the request.

message

Request references a resource which does not exist.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSearchJobResults

Service: AWS Backup search

This operation returns a list of a specified search job.

Request Syntax

```
GET /search-jobs/SearchJobIdentifier/search-results?
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of resource list items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned search job results.

For example, if a request is made to return `MaxResults` number of search job results, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

SearchJobIdentifier

The unique string that specifies the search job.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "NextToken": "string",
   "Results": [
      { ... }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of search job results.

For example, if a request is made to return `MaxResults` number of backups, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Results

The results consist of either EBSResultItem or S3ResultItem.

Type: Array of ResultItem objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found for this request.

Confirm the resource information, such as the ARN or type is correct and exists, then retry the request.

message

Request references a resource which does not exist.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSearchJobs

Service: AWS Backup search

This operation returns a list of search jobs belonging to an account.

Request Syntax

```
GET /search-jobs?MaxResults=MaxResults&NextToken=NextToken&Status=ByStatus HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ByStatus

Include this parameter to filter list by search job status.

Valid Values: `RUNNING | COMPLETED | STOPPING | STOPPED | FAILED`

MaxResults

The maximum number of resource list items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned search jobs.

For example, if a request is made to return `MaxResults` number of backups, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "NextToken": "string",
   "SearchJobs": [
      {
         "CompletionTime": number,
         "CreationTime": number,
         "Name": "string",
         "SearchJobArn": "string",
         "SearchJobIdentifier": "string",
         "SearchScopeSummary": {
            "TotalItemsToScanCount": number,
            "TotalRecoveryPointsToScanCount": number
         },
         "Status": "string",
         "StatusMessage": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The next item following a partial list of returned backups included in a search job.

For example, if a request is made to return `MaxResults` number of backups, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

SearchJobs

The search jobs among the list, with details of the returned search jobs.

Type: Array of SearchJobSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
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- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSearchResultExportJobs

Service: AWS Backup search

This operation exports search results of a search job to a specified destination S3 bucket.

Request Syntax

```
GET /export-search-jobs?
MaxResults=MaxResults&NextToken=NextToken&SearchJobIdentifier=SearchJobIdentifier&Status=Status
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of resource list items to be returned.

Valid Range: Minimum value of 1. Maximum value of 1000.

NextToken

The next item following a partial list of returned backups included in a search job.

For example, if a request is made to return `MaxResults` number of backups, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

SearchJobIdentifier

The unique string that specifies the search job.

Status

The search jobs to be included in the export job can be filtered by including this parameter.

Valid Values: `RUNNING | FAILED | COMPLETED`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ExportJobs": [
      {
         "CompletionTime": number,
         "CreationTime": number,
         "ExportJobArn": "string",
         "ExportJobIdentifier": "string",
         "SearchJobArn": "string",
         "Status": "string",
         "StatusMessage": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ExportJobs

The operation returns the included export jobs.

Type: Array of ExportJobSummary objects

NextToken

The next item following a partial list of returned backups included in a search job.

For example, if a request is made to return `MaxResults` number of backups, `NextToken` allows you to return more items in your list starting at the location pointed to by the next token.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found for this request.

Confirm the resource information, such as the ARN or type is correct and exists, then retry the request.

message

Request references a resource which does not exist.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

The request denied due to exceeding the quota limits permitted.

message

This request was not successful due to a service quota exceeding limits.

quotaCode

This is the code specific to the quota type.

resourceId

Identifier of the resource.

resourceType

Type of resource.

serviceCode

This is the code unique to the originating service with the quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListTagsForResource

Service: AWS Backup search

This operation returns the tags for a resource type.

Request Syntax

```
GET /tags/ResourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

The Amazon Resource Name (ARN) that uniquely identifies the resource.>

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Tags": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Tags

List of tags returned by the operation.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found for this request.

Confirm the resource information, such as the ARN or type is correct and exists, then retry the request.

message

Request references a resource which does not exist.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartSearchJob

Service: AWS Backup search

This operation creates a search job which returns recovery points filtered by SearchScope and items filtered by ItemFilters.

You can optionally include ClientToken, EncryptionKeyArn, Name, and/or Tags.

Request Syntax

```
PUT /search-jobs HTTP/1.1
Content-type: application/json

{
   "ClientToken": "string",
   "EncryptionKeyArn": "string",
   "ItemFilters": {
      "EBSItemFilters": [
         {
            "CreationTimes": [
               {
                  "Operator": "string",
                  "Value": number
               }
            ],
            "FilePaths": [
               {
                  "Operator": "string",
                  "Value": "string"
               }
            ],
            "LastModificationTimes": [
               {
                  "Operator": "string",
                  "Value": number
               }
            ],
            "Sizes": [
               {
                  "Operator": "string",
                  "Value": number
               }
            ]
```

```
            }
         ],
         "S3ItemFilters": [
            {
               "CreationTimes": [
                  {
                     "Operator": "string",
                     "Value": number
                  }
               ],
               "ETags": [
                  {
                     "Operator": "string",
                     "Value": "string"
                  }
               ],
               "ObjectKeys": [
                  {
                     "Operator": "string",
                     "Value": "string"
                  }
               ],
               "Sizes": [
                  {
                     "Operator": "string",
                     "Value": number
                  }
               ],
               "VersionIds": [
                  {
                     "Operator": "string",
                     "Value": "string"
                  }
               ]
            }
         ]
      },
      "Name": "string",
      "SearchScope": {
         "BackupResourceArns": [ "string" ],
         "BackupResourceCreationTime": {
            "CreatedAfter": number,
            "CreatedBefore": number
         },
```

```
      "BackupResourceTags": {
         "string" : "string"
      },
      "BackupResourceTypes": [ "string" ],
      "SourceResourceArns": [ "string" ]
   },
   "Tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

Include this parameter to allow multiple identical calls for idempotency.

A client token is valid for 8 hours after the first request that uses it is completed. After this time, any request with the same token is treated as a new request.

Type: String

Required: No

EncryptionKeyArn

The encryption key for the specified search job.

Type: String

Required: No

ItemFilters

Item Filters represent all input item properties specified when the search was created.

Contains either EBSItemFilters or S3ItemFilters

Type: ItemFilters object

Required: No

Name

Include alphanumeric characters to create a name for this search job.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

SearchScope

This object can contain BackupResourceTypes, BackupResourceArns, BackupResourceCreationTime, BackupResourceTags, and SourceResourceArns to filter the recovery points returned by the search job.

Type: SearchScope object

Required: Yes

Tags

List of tags returned by the operation.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CreationTime": number,
   "SearchJobArn": "string",
   "SearchJobIdentifier": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreationTime

The date and time that a job was created, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

SearchJobArn

The unique string that identifies the Amazon Resource Name (ARN) of the specified search job.

Type: String

SearchJobIdentifier

The unique string that specifies the search job.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

This exception occurs when a conflict with a previous successful operation is detected. This generally occurs when the previous operation did not have time to propagate to the host serving the current request.

A retry (with appropriate backoff logic) is the recommended response to this exception.

message

Updating or deleting a resource can cause an inconsistent state.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found for this request.

Confirm the resource information, such as the ARN or type is correct and exists, then retry the request.

message

Request references a resource which does not exist.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

The request denied due to exceeding the quota limits permitted.

message

This request was not successful due to a service quota exceeding limits.

quotaCode

This is the code specific to the quota type.

resourceId

Identifier of the resource.

resourceType

Type of resource.

serviceCode

This is the code unique to the originating service with the quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartSearchResultExportJob

Service: AWS Backup search

This operations starts a job to export the results of search job to a designated S3 bucket.

Request Syntax

```
PUT /export-search-jobs HTTP/1.1
Content-type: application/json

{
   "ClientToken": "string",
   "ExportSpecification": { ... },
   "RoleArn": "string",
   "SearchJobIdentifier": "string",
   "Tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

Include this parameter to allow multiple identical calls for idempotency.

A client token is valid for 8 hours after the first request that uses it is completed. After this time, any request with the same token is treated as a new request.

Type: String

Required: No

ExportSpecification

This specification contains a required string of the destination bucket; optionally, you can include the destination prefix.

Type: ExportSpecification object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

RoleArn

This parameter specifies the role ARN used to start the search results export jobs.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(?:aws|aws-cn|aws-us-gov):iam::[a-z0-9-]+:role/(.+)`

Required: No

SearchJobIdentifier

The unique string that specifies the search job.

Type: String

Required: Yes

Tags

Optional tags to include. A tag is a key-value pair you can use to manage, filter, and search for your resources. Allowed characters include UTF-8 letters, numbers, spaces, and the following characters: + - = . _ : /.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ExportJobArn": "string",
   "ExportJobIdentifier": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ExportJobArn

This is the unique ARN (Amazon Resource Name) that belongs to the new export job.

Type: String

ExportJobIdentifier

This is the unique identifier that specifies the new export job.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

This exception occurs when a conflict with a previous successful operation is detected. This generally occurs when the previous operation did not have time to propagate to the host serving the current request.

A retry (with appropriate backoff logic) is the recommended response to this exception.

message

Updating or deleting a resource can cause an inconsistent state.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found for this request.

Confirm the resource information, such as the ARN or type is correct and exists, then retry the request.

message

Request references a resource which does not exist.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

The request denied due to exceeding the quota limits permitted.

message

This request was not successful due to a service quota exceeding limits.

quotaCode

This is the code specific to the quota type.

resourceId

Identifier of the resource.

resourceType

Type of resource.

serviceCode

This is the code unique to the originating service with the quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StopSearchJob

Service: AWS Backup search

This operations ends a search job.

Only a search job with a status of `RUNNING` can be stopped.

Request Syntax

```
PUT /search-jobs/SearchJobIdentifier/actions/cancel HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

SearchJobIdentifier

The unique string that specifies the search job.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

This exception occurs when a conflict with a previous successful operation is detected. This generally occurs when the previous operation did not have time to propagate to the host serving the current request.

A retry (with appropriate backoff logic) is the recommended response to this exception.

message

Updating or deleting a resource can cause an inconsistent state.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found for this request.

Confirm the resource information, such as the ARN or type is correct and exists, then retry the request.

message

Request references a resource which does not exist.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TagResource

Service: AWS Backup search

This operation puts tags on the resource you indicate.

Request Syntax

```
POST /tags/ResourceArn HTTP/1.1
Content-type: application/json

{
   "Tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

The Amazon Resource Name (ARN) that uniquely identifies the resource.

This is the resource that will have the indicated tags.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Tags

Required tags to include. A tag is a key-value pair you can use to manage, filter, and search for your resources. Allowed characters include UTF-8 letters, numbers, spaces, and the following characters: + - = . _ : /.

Type: String to string map

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found for this request.

Confirm the resource information, such as the ARN or type is correct and exists, then retry the request.

message

Request references a resource which does not exist.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UntagResource

Service: AWS Backup search

This operation removes tags from the specified resource.

Request Syntax

```
DELETE /tags/ResourceArn?tagKeys=TagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

The Amazon Resource Name (ARN) that uniquely identifies the resource where you want to remove tags.

Required: Yes

TagKeys

This required parameter contains the tag keys you want to remove from the source.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You do not have sufficient access to perform this action.

message

User does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An internal server error occurred. Retry your request.

message

Unexpected error during processing of request.

retryAfterSeconds

Retry the call after number of seconds.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found for this request.

Confirm the resource information, such as the ARN or type is correct and exists, then retry the request.

message

Request references a resource which does not exist.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Request was unsuccessful due to request throttling.

quotaCode

This is the code unique to the originating service with the quota.

retryAfterSeconds

Retry the call after number of seconds.

serviceCode

This is the code unique to the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by a service.

message

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

Data Types

The following data types are supported by AWS Backup:

- AdvancedBackupSetting
- AggregatedScanResult
- BackupJob
- BackupJobSummary
- BackupPlan
- BackupPlanInput
- BackupPlansListMember
- BackupPlanTemplatesListMember
- BackupRule
- BackupRuleInput
- BackupSelection
- BackupSelectionsListMember
- BackupVaultListMember
- CalculatedLifecycle
- Condition
- ConditionParameter
- Conditions
- ControlInputParameter
- ControlScope
- CopyAction
- CopyJob
- CopyJobSummary
- DateRange
- Framework
- FrameworkControl
- IndexAction
- IndexedRecoveryPoint

- KeyValue
- LatestMpaApprovalTeamUpdate
- LatestRevokeRequest
- LegalHold
- Lifecycle
- ListAccessPointsMember
- ProtectedResource
- ProtectedResourceConditions
- RecoveryPointByBackupVault
- RecoveryPointByResource
- RecoveryPointCreator
- RecoveryPointMember
- RecoveryPointSelection
- ReportDeliveryChannel
- ReportDestination
- ReportJob
- ReportPlan
- ReportSetting
- ResourceSelection
- RestoreAccessBackupVaultListMember
- RestoreJobCreator
- RestoreJobsListMember
- RestoreJobSummary
- RestoreTestingPlanForCreate
- RestoreTestingPlanForGet
- RestoreTestingPlanForList
- RestoreTestingPlanForUpdate
- RestoreTestingRecoveryPointSelection
- RestoreTestingSelectionForCreate
- RestoreTestingSelectionForGet

- RestoreTestingSelectionForList
- RestoreTestingSelectionForUpdate
- ScanAction
- ScanJob
- ScanJobCreator
- ScanJobSummary
- ScanResult
- ScanResultInfo
- ScanSetting
- ScheduledPlanExecutionMember
- TieringConfiguration
- TieringConfigurationInputForCreate
- TieringConfigurationInputForUpdate
- TieringConfigurationsListMember

The following data types are supported by AWS Backup gateway:

- BandwidthRateLimitInterval
- Gateway
- GatewayDetails
- Hypervisor
- HypervisorDetails
- MaintenanceStartTime
- Tag
- VirtualMachine
- VirtualMachineDetails
- VmwareTag
- VmwareToAwsTagMapping

The following data types are supported by AWS Backup search:

- BackupCreationTimeFilter

- CurrentSearchProgress
- EBSItemFilter
- EBSResultItem
- ExportJobSummary
- ExportSpecification
- ItemFilters
- LongCondition
- ResultItem
- S3ExportSpecification
- S3ItemFilter
- S3ResultItem
- SearchJobBackupsResult
- SearchJobSummary
- SearchScope
- SearchScopeSummary
- StringCondition
- TimeCondition

AWS Backup

The following data types are supported by AWS Backup:

- AdvancedBackupSetting
- AggregatedScanResult
- BackupJob
- BackupJobSummary
- BackupPlan
- BackupPlanInput
- BackupPlansListMember
- BackupPlanTemplatesListMember
- BackupRule

- BackupRuleInput
- BackupSelection
- BackupSelectionsListMember
- BackupVaultListMember
- CalculatedLifecycle
- Condition
- ConditionParameter
- Conditions
- ControlInputParameter
- ControlScope
- CopyAction
- CopyJob
- CopyJobSummary
- DateRange
- Framework
- FrameworkControl
- IndexAction
- IndexedRecoveryPoint
- KeyValue
- LatestMpaApprovalTeamUpdate
- LatestRevokeRequest
- LegalHold
- Lifecycle
- ListAccessPointsMember
- ProtectedResource
- ProtectedResourceConditions
- RecoveryPointByBackupVault
- RecoveryPointByResource
- RecoveryPointCreator
- RecoveryPointMember

- RecoveryPointSelection
- ReportDeliveryChannel
- ReportDestination
- ReportJob
- ReportPlan
- ReportSetting
- ResourceSelection
- RestoreAccessBackupVaultListMember
- RestoreJobCreator
- RestoreJobsListMember
- RestoreJobSummary
- RestoreTestingPlanForCreate
- RestoreTestingPlanForGet
- RestoreTestingPlanForList
- RestoreTestingPlanForUpdate
- RestoreTestingRecoveryPointSelection
- RestoreTestingSelectionForCreate
- RestoreTestingSelectionForGet
- RestoreTestingSelectionForList
- RestoreTestingSelectionForUpdate
- ScanAction
- ScanJob
- ScanJobCreator
- ScanJobSummary
- ScanResult
- ScanResultInfo
- ScanSetting
- ScheduledPlanExecutionMember
- TieringConfiguration
- TieringConfigurationInputForCreate

- TieringConfigurationInputForUpdate
- TieringConfigurationsListMember

AdvancedBackupSetting

Service: AWS Backup

The backup options for each resource type.

Contents

BackupOptions

Specifies the backup option for a selected resource. This option is available for Windows VSS backup jobs and S3 backups.

Valid values:

Set to `"WindowsVSS":"enabled"` to enable the `WindowsVSS` backup option and create a Windows VSS backup.

Set to `"WindowsVSS":"disabled"` to create a regular backup. The `WindowsVSS` option is not enabled by default.

For S3 backups, set to `"BackupACLs":"disabled"` to exclude ACLs from the backup, or `"BackupObjectTags":"disabled"` to exclude object tags from the backup. By default, both ACLs and object tags are included in S3 backups.

If you specify an invalid option, you get an `InvalidParameterValueException` exception.

For more information about Windows VSS backups, see Creating a VSS-Enabled Windows Backup.

Type: String to string map

Key Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Value Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

ResourceType

Specifies an object containing resource type and backup options. The only supported resource type is Amazon EC2 instances with Windows Volume Shadow Copy Service (VSS). For a CloudFormation example, see the sample CloudFormation template to enable Windows VSS in the *AWS Backup User Guide*.

Valid values: EC2.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregatedScanResult

Service: AWS Backup

Contains aggregated scan results across multiple scan operations, providing a summary of scan status and findings.

Contents

FailedScan

A Boolean value indicating whether any of the aggregated scans failed.

Type: Boolean

Required: No

Findings

An array of findings discovered across all aggregated scans.

Type: Array of strings

Valid Values: `MALWARE`

Required: No

LastComputed

The timestamp when the aggregated scan result was last computed, in Unix format and Coordinated Universal Time (UTC).

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

BackupJob

Service: AWS Backup

Contains detailed information about a backup job.

Contents

AccountId

The account ID that owns the backup job.

Type: String

Pattern: `^[0-9]{12}$`

Required: No

BackupJobId

Uniquely identifies a request to AWS Backup to back up a resource.

Type: String

Required: No

BackupOptions

Specifies the backup option for a selected resource. This option is only available for Windows Volume Shadow Copy Service (VSS) backup jobs.

Valid values: Set to `"WindowsVSS":"enabled"` to enable the `WindowsVSS` backup option and create a Windows VSS backup. Set to `"WindowsVSS":"disabled"` to create a regular backup. If you specify an invalid option, you get an `InvalidParameterValueException` exception.

Type: String to string map

Key Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Value Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

BackupSizeInBytes

The size, in bytes, of a backup (recovery point).

This value can render differently depending on the resource type as AWS Backup pulls in data information from other AWS services. For example, the value returned may show a value of `0`, which may differ from the anticipated value.

The expected behavior for values by resource type are described as follows:

- Amazon Aurora, Amazon DocumentDB, and Amazon Neptune do not have this value populate from the operation `GetBackupJobStatus`.
- For Amazon DynamoDB with advanced features, this value refers to the size of the recovery point (backup).
- Amazon EC2 and Amazon EBS show volume size (provisioned storage) returned as part of this value. Amazon EBS does not return backup size information; snapshot size will have the same value as the original resource that was backed up.
- For Amazon EFS, this value refers to the delta bytes transferred during a backup.
- For Amazon EKS, this value refers to the size of your nested EKS recovery point.
- Amazon FSx does not populate this value from the operation `GetBackupJobStatus` for FSx file systems.
- An Amazon RDS instance will show as `0`.
- For virtual machines running VMware, this value is passed to AWS Backup through an asynchronous workflow, which can mean this displayed value can under-represent the actual backup size.

Type: Long

Required: No

BackupType

Represents the type of backup for a backup job.

Type: String

Required: No

BackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

Required: No

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: No

BytesTransferred

The size in bytes transferred to a backup vault at the time that the job status was queried.

Type: Long

Required: No

CompletionDate

The date and time a job to create a backup job is completed, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

CreatedBy

Contains identifying information about the creation of a backup job, including the `BackupPlanArn`, `BackupPlanId`, `BackupPlanVersion`, and `BackupRuleId` of the backup plan used to create it.

Type: RecoveryPointCreator object

Required: No

CreationDate

The date and time a backup job is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

EncryptionKeyArn

The Amazon Resource Name (ARN) of the KMS key used to encrypt the backup. This can be a customer-managed key or an AWS managed key, depending on the vault configuration.

Type: String

Required: No

ExpectedCompletionDate

The date and time a job to back up resources is expected to be completed, in Unix format and Coordinated Universal Time (UTC). The value of `ExpectedCompletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

IamRoleArn

Specifies the IAM role ARN used to create the target recovery point. IAM roles other than the default role must include either `AWSBackup` or `AwsBackup` in the role name. For example, `arn:aws:iam::123456789012:role/AWSBackupRDSAccess`. Role names without those strings lack permissions to perform backup jobs.

Type: String

Required: No

InitiationDate

The date on which the backup job was initiated.

Type: Timestamp

Required: No

IsEncrypted

A boolean value indicating whether the backup is encrypted. All backups in AWS Backup are encrypted, but this field indicates the encryption status for transparency.

Type: Boolean

Required: No

IsParent

This is a boolean value indicating this is a parent (composite) backup job.

Type: Boolean

Required: No

MessageCategory

This parameter is the job count for the specified message category.

Example strings may include `AccessDenied`, `SUCCESS`, `AGGREGATE_ALL`, and `INVALIDPARAMETERS`. See Monitoring for a list of MessageCategory strings.

The the value ANY returns count of all message categories.

`AGGREGATE_ALL` aggregates job counts for all message categories and returns the sum.

Type: String

Required: No

ParentJobId

This uniquely identifies a request to AWS Backup to back up a resource. The return will be the parent (composite) job ID.

Type: String

Required: No

PercentDone

Contains an estimated percentage complete of a job at the time the job status was queried.

Type: String

Required: No

RecoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Required: No

RecoveryPointLifecycle

Specifies the time period, in days, before a recovery point transitions to cold storage or is deleted.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, on the console, the retention setting must be 90 days greater than the transition to cold after days setting. The transition to cold after days setting can't be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

To remove the existing lifecycle and retention periods and keep your recovery points indefinitely, specify -1 for `MoveToColdStorageAfterDays` and `DeleteAfterDays`.

Type: Lifecycle object

Required: No

ResourceArn

An ARN that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

Required: No

ResourceName

The non-unique name of the resource that belongs to the specified backup.

Type: String

Required: No

ResourceType

The type of AWS resource to be backed up; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database. For

Windows Volume Shadow Copy Service (VSS) backups, the only supported resource type is Amazon EC2.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

StartBy

Specifies the time in Unix format and Coordinated Universal Time (UTC) when a backup job must be started before it is canceled. The value is calculated by adding the start window to the scheduled time. So if the scheduled time were 6:00 PM and the start window is 2 hours, the `StartBy` time would be 8:00 PM on the date specified. The value of `StartBy` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

State

The current state of a backup job.

Type: String

Valid Values: `CREATED | PENDING | RUNNING | ABORTING | ABORTED | COMPLETED | FAILED | EXPIRED | PARTIAL`

Required: No

StatusMessage

A detailed message explaining the status of the job to back up a resource.

Type: String

Required: No

VaultLockState

The lock state of the backup vault. For logically air-gapped vaults, this indicates whether the vault is locked in compliance mode. Valid values include `LOCKED` and `UNLOCKED`.

Type: String

Required: No

VaultType

The type of backup vault where the recovery point is stored. Valid values are `BACKUP_VAULT` for standard backup vaults and `LOGICALLY_AIR_GAPPED_BACKUP_VAULT` for logically air-gapped vaults.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BackupJobSummary

Service: AWS Backup

This is a summary of jobs created or running within the most recent 14 days.

The returned summary may contain the following: Region, Account, State, RestourceType, MessageCategory, StartTime, EndTime, and Count of included jobs.

Contents

AccountId

The account ID that owns the jobs within the summary.

Type: String

Pattern: `^[0-9]{12}$`

Required: No

Count

The value as a number of jobs in a job summary.

Type: Integer

Required: No

EndTime

The value of time in number format of a job end time.

This value is the time in Unix format, Coordinated Universal Time (UTC), and accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

MessageCategory

This parameter is the job count for the specified message category.

Example strings include `AccessDenied`, `Success`, and `InvalidParameters`. See Monitoring for a list of MessageCategory strings.

The the value ANY returns count of all message categories.

`AGGREGATE_ALL` aggregates job counts for all message categories and returns the sum.

Type: String

Required: No

Region

The AWS Regions within the job summary.

Type: String

Required: No

ResourceType

This value is the job count for the specified resource type. The request `GetSupportedResourceTypes` returns strings for supported resource types.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

StartTime

The value of time in number format of a job start time.

This value is the time in Unix format, Coordinated Universal Time (UTC), and accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

State

This value is job count for jobs with the specified state.

Type: String

Valid Values: `CREATED | PENDING | RUNNING | ABORTING | ABORTED | COMPLETED | FAILED | EXPIRED | PARTIAL | AGGREGATE_ALL | ANY`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BackupPlan

Service: AWS Backup

Contains an optional backup plan display name and an array of `BackupRule` objects, each of which specifies a backup rule. Each rule in a backup plan is a separate scheduled task and can back up a different selection of AWS resources.

Contents

BackupPlanName

The display name of a backup plan. Must contain only alphanumeric or '-_.' special characters.

If this is set in the console, it can contain 1 to 50 characters; if this is set through CLI or API, it can contain 1 to 200 characters.

Type: String

Required: Yes

Rules

An array of `BackupRule` objects, each of which specifies a scheduled task that is used to back up a selection of resources.

Type: Array of BackupRule objects

Required: Yes

AdvancedBackupSettings

Contains a list of `BackupOptions` for each resource type.

Type: Array of AdvancedBackupSetting objects

Required: No

ScanSettings

Contains your scanning configuration for the backup plan and includes the Malware scanner, your selected resources, and scanner role.

Type: Array of ScanSetting objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BackupPlanInput

Service: AWS Backup

Contains an optional backup plan display name and an array of `BackupRule` objects, each of which specifies a backup rule. Each rule in a backup plan is a separate scheduled task.

Contents

BackupPlanName

The display name of a backup plan. Must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: Yes

Rules

An array of `BackupRule` objects, each of which specifies a scheduled task that is used to back up a selection of resources.

Type: Array of BackupRuleInput objects

Required: Yes

AdvancedBackupSettings

Specifies a list of `BackupOptions` for each resource type. These settings are only available for Windows Volume Shadow Copy Service (VSS) backup jobs.

Type: Array of AdvancedBackupSetting objects

Required: No

ScanSettings

Contains your scanning configuration for the backup rule and includes the malware scanner, and scan mode of either full or incremental.

Type: Array of ScanSetting objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BackupPlansListMember

Service: AWS Backup

Contains metadata about a backup plan.

Contents

AdvancedBackupSettings

Contains a list of `BackupOptions` for a resource type.

Type: Array of AdvancedBackupSetting objects

Required: No

BackupPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a backup plan; for example, `arn:aws:backup:us-east-1:123456789012:plan:8F81F553-3A74-4A3F-B93D-B3360DC80C50`.

Type: String

Required: No

BackupPlanId

Uniquely identifies a backup plan.

Type: String

Required: No

BackupPlanName

The display name of a saved backup plan.

Type: String

Required: No

CreationDate

The date and time a resource backup plan is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

CreatorRequestId

A unique string that identifies the request and allows failed requests to be retried without the risk of running the operation twice. This parameter is optional.

If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

DeletionDate

The date and time a backup plan is deleted, in Unix format and Coordinated Universal Time (UTC). The value of `DeletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

LastExecutionDate

The last time this backup plan was run. A date and time, in Unix format and Coordinated Universal Time (UTC). The value of `LastExecutionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

VersionId

Unique, randomly generated, Unicode, UTF-8 encoded strings that are at most 1,024 bytes long. Version IDs cannot be edited.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BackupPlanTemplatesListMember

Service: AWS Backup

An object specifying metadata associated with a backup plan template.

Contents

BackupPlanTemplateId

Uniquely identifies a stored backup plan template.

Type: String

Required: No

BackupPlanTemplateName

The optional display name of a backup plan template.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BackupRule

Service: AWS Backup

Specifies a scheduled task used to back up a selection of resources.

Contents

RuleName

A display name for a backup rule. Must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: Yes

TargetBackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

CompletionWindowMinutes

A value in minutes after a backup job is successfully started before it must be completed or it will be canceled by AWS Backup. This value is optional.

Type: Long

Required: No

CopyActions

An array of `CopyAction` objects, which contains the details of the copy operation.

Type: Array of CopyAction objects

Required: No

EnableContinuousBackup

Specifies whether AWS Backup creates continuous backups. True causes AWS Backup to create continuous backups capable of point-in-time restore (PITR). False (or not specified) causes AWS Backup to create snapshot backups.

Type: Boolean

Required: No

IndexActions

IndexActions is an array you use to specify how backup data should be indexed.

eEach BackupRule can have 0 or 1 IndexAction, as each backup can have up to one index associated with it.

Within the array is ResourceType. Only one will be accepted for each BackupRule.

Type: Array of IndexAction objects

Required: No

Lifecycle

The lifecycle defines when a protected resource is transitioned to cold storage and when it expires. AWS Backup transitions and expires backups automatically according to the lifecycle that you define.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, the “retention” setting must be 90 days greater than the “transition to cold after days” setting. The “transition to cold after days” setting cannot be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

Type: Lifecycle object

Required: No

RecoveryPointTags

The tags that are assigned to resources that are associated with this rule when restored from backup.

Type: String to string map

Required: No

RuleId

Uniquely identifies a rule that is used to schedule the backup of a selection of resources.

Type: String

Required: No

ScanActions

Contains your scanning configuration for the backup rule and includes the malware scanner, and scan mode of either full or incremental.

Type: Array of ScanAction objects

Required: No

ScheduleExpression

A cron expression in UTC specifying when AWS Backup initiates a backup job. When no CRON expression is provided, AWS Backup will use the default expression `cron(0 5 ? * * *)`.

For more information about AWS cron expressions, see Schedule Expressions for Rules in the *Amazon CloudWatch Events User Guide*.

Two examples of AWS cron expressions are `15 * ? * * *` (take a backup every hour at 15 minutes past the hour) and `0 12 * * ? *` (take a backup every day at 12 noon UTC).

For a table of examples, click the preceding link and scroll down the page.

Type: String

Required: No

ScheduleExpressionTimezone

The timezone in which the schedule expression is set. By default, ScheduleExpressions are in UTC. You can modify this to a specified timezone.

Type: String

Required: No

StartWindowMinutes

A value in minutes after a backup is scheduled before a job will be canceled if it doesn't start successfully. This value is optional. If this value is included, it must be at least 60 minutes to avoid errors.

During the start window, the backup job status remains in `CREATED` status until it has successfully begun or until the start window time has run out. If within the start window time AWS Backup receives an error that allows the job to be retried, AWS Backup will automatically retry to begin the job at least every 10 minutes until the backup successfully begins (the job status changes to `RUNNING`) or until the job status changes to `EXPIRED` (which is expected to occur when the start window time is over).

Type: Long

Required: No

TargetLogicallyAirGappedBackupVaultArn

The ARN of a logically air-gapped vault. ARN must be in the same account and Region. If provided, supported fully managed resources back up directly to logically air-gapped vault, while other supported resources create a temporary (billable) snapshot in backup vault, then copy it to logically air-gapped vault. Unsupported resources only back up to the specified backup vault.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BackupRuleInput

Service: AWS Backup

Specifies a scheduled task used to back up a selection of resources.

Contents

RuleName

A display name for a backup rule. Must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: Yes

TargetBackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

CompletionWindowMinutes

A value in minutes after a backup job is successfully started before it must be completed or it will be canceled by AWS Backup. This value is optional.

Type: Long

Required: No

CopyActions

An array of `CopyAction` objects, which contains the details of the copy operation.

Type: Array of CopyAction objects

Required: No

EnableContinuousBackup

Specifies whether AWS Backup creates continuous backups. True causes AWS Backup to create continuous backups capable of point-in-time restore (PITR). False (or not specified) causes AWS Backup to create snapshot backups.

Type: Boolean

Required: No

IndexActions

There can up to one IndexAction in each BackupRule, as each backup can have 0 or 1 backup index associated with it.

Within the array is ResourceTypes. Only 1 resource type will be accepted for each BackupRule. Valid values:

- EBS for Amazon Elastic Block Store
- S3 for Amazon Simple Storage Service (Amazon S3)

Type: Array of IndexAction objects

Required: No

Lifecycle

The lifecycle defines when a protected resource is transitioned to cold storage and when it expires. AWS Backup will transition and expire backups automatically according to the lifecycle that you define.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, the “retention” setting must be 90 days greater than the “transition to cold after days” setting. The “transition to cold after days” setting cannot be changed after a backup has been transitioned to cold storage.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

This parameter has a maximum value of 100 years (36,500 days).

Type: Lifecycle object

Required: No

RecoveryPointTags

The tags to assign to the resources.

Type: String to string map

Required: No

ScanActions

Contains your scanning configuration for the backup rule and includes the malware scanner, and scan mode of either full or incremental.

Type: Array of ScanAction objects

Required: No

ScheduleExpression

A CRON expression in UTC specifying when AWS Backup initiates a backup job. When no CRON expression is provided, AWS Backup will use the default expression `cron(0 5 ? * * *)`.

Type: String

Required: No

ScheduleExpressionTimezone

The timezone in which the schedule expression is set. By default, ScheduleExpressions are in UTC. You can modify this to a specified timezone.

Type: String

Required: No

StartWindowMinutes

A value in minutes after a backup is scheduled before a job will be canceled if it doesn't start successfully. This value is optional. If this value is included, it must be at least 60 minutes to avoid errors.

This parameter has a maximum value of 100 years (52,560,000 minutes).

During the start window, the backup job status remains in CREATED status until it has successfully begun or until the start window time has run out. If within the start window time

AWS Backup receives an error that allows the job to be retried, AWS Backup will automatically retry to begin the job at least every 10 minutes until the backup successfully begins (the job status changes to `RUNNING`) or until the job status changes to `EXPIRED` (which is expected to occur when the start window time is over).

Type: Long

Required: No

TargetLogicallyAirGappedBackupVaultArn

The ARN of a logically air-gapped vault. ARN must be in the same account and Region. If provided, supported fully managed resources back up directly to logically air-gapped vault, while other supported resources create a temporary (billable) snapshot in backup vault, then copy it to logically air-gapped vault. Unsupported resources only back up to the specified backup vault.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BackupSelection

Service: AWS Backup

Used to specify a set of resources to a backup plan.

We recommend that you specify conditions, tags, or resources to include or exclude. Otherwise, Backup attempts to select all supported and opted-in storage resources, which could have unintended cost implications.

For more information, see Assigning resources programmatically.

Contents

IamRoleArn

The ARN of the IAM role that AWS Backup uses to authenticate when backing up the target resource; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: Yes

SelectionName

The display name of a resource selection document. Must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: Yes

Conditions

The conditions that you define to assign resources to your backup plans using tags. For example, `"StringEquals": { "ConditionKey": "aws:ResourceTag/backup", "ConditionValue": "daily" }`.

`Conditions` supports `StringEquals`, `StringLike`, `StringNotEquals`, and `StringNotLike`. Condition operators are case sensitive.

If you specify multiple conditions, the resources much match all conditions (AND logic).

Type: Conditions object

Required: No

ListOfTags

We recommend that you use the `Conditions` parameter instead of this parameter.

The conditions that you define to assign resources to your backup plans using tags. For example, `"StringEquals": { "ConditionKey": "backup", "ConditionValue": "daily"}`.

`ListOfTags` supports only `StringEquals`. Condition operators are case sensitive.

If you specify multiple conditions, the resources much match any of the conditions (OR logic).

Type: Array of Condition objects

Required: No

NotResources

The Amazon Resource Names (ARNs) of the resources to exclude from a backup plan. The maximum number of ARNs is 500 without wildcards, or 30 ARNs with wildcards.

If you need to exclude many resources from a backup plan, consider a different resource selection strategy, such as assigning only one or a few resource types or refining your resource selection using tags.

Type: Array of strings

Required: No

Resources

The Amazon Resource Names (ARNs) of the resources to assign to a backup plan. The maximum number of ARNs is 500 without wildcards, or 30 ARNs with wildcards.

If you need to assign many resources to a backup plan, consider a different resource selection strategy, such as assigning all resources of a resource type or refining your resource selection using tags.

If you specify multiple ARNs, the resources much match any of the ARNs (OR logic).

> **Note**
>
> When using wildcards in ARN patterns for backup selections, the asterisk (*) must appear at the end of the ARN string (prefix pattern). For example, `arn:aws:s3:::my-bucket-*` is valid, but `arn:aws:s3:::*-logs` is not supported.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BackupSelectionsListMember

Service: AWS Backup

Contains metadata about a `BackupSelection` object.

Contents

BackupPlanId

Uniquely identifies a backup plan.

Type: String

Required: No

CreationDate

The date and time a backup plan is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

CreatorRequestId

A unique string that identifies the request and allows failed requests to be retried without the risk of running the operation twice. This parameter is optional.

If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

IamRoleArn

Specifies the IAM role Amazon Resource Name (ARN) to create the target recovery point; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: No

SelectionId

Uniquely identifies a request to assign a set of resources to a backup plan.

Type: String

Required: No

SelectionName

The display name of a resource selection document.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BackupVaultListMember

Service: AWS Backup

Contains metadata about a backup vault.

Contents

BackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

Required: No

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: No

CreationDate

The date and time a resource backup is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

CreatorRequestId

A unique string that identifies the request and allows failed requests to be retried without the risk of running the operation twice. This parameter is optional.

If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

EncryptionKeyArn

A server-side encryption key you can specify to encrypt your backups from services that support full AWS Backup management; for example, `arn:aws:kms:us-west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab`. If you specify a key, you must specify its ARN, not its alias. If you do not specify a key, AWS Backup creates a KMS key for you by default.

To learn which AWS Backup services support full AWS Backup management and how AWS Backup handles encryption for backups from services that do not yet support full AWS Backup, see Encryption for backups in AWS Backup

Type: String

Required: No

EncryptionKeyType

The type of encryption key used for the backup vault. Valid values are CUSTOMER_MANAGED_KMS_KEY for customer-managed keys or AWS_OWNED_KMS_KEY for AWS-owned keys.

Type: String

Valid Values: `AWS_OWNED_KMS_KEY | CUSTOMER_MANAGED_KMS_KEY`

Required: No

LockDate

The date and time when AWS Backup Vault Lock configuration becomes immutable, meaning it cannot be changed or deleted.

If you applied Vault Lock to your vault without specifying a lock date, you can change your Vault Lock settings, or delete Vault Lock from the vault entirely, at any time.

This value is in Unix format, Coordinated Universal Time (UTC), and accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

Locked

A Boolean value that indicates whether AWS Backup Vault Lock applies to the selected backup vault. If `true`, Vault Lock prevents delete and update operations on the recovery points in the selected vault.

Type: Boolean

Required: No

MaxRetentionDays

The AWS Backup Vault Lock setting that specifies the maximum retention period that the vault retains its recovery points. If this parameter is not specified, Vault Lock does not enforce a maximum retention period on the recovery points in the vault (allowing indefinite storage).

If specified, any backup or copy job to the vault must have a lifecycle policy with a retention period equal to or shorter than the maximum retention period. If the job's retention period is longer than that maximum retention period, then the vault fails the backup or copy job, and you should either modify your lifecycle settings or use a different vault. Recovery points already stored in the vault prior to Vault Lock are not affected.

Type: Long

Required: No

MinRetentionDays

The AWS Backup Vault Lock setting that specifies the minimum retention period that the vault retains its recovery points. If this parameter is not specified, Vault Lock does not enforce a minimum retention period.

If specified, any backup or copy job to the vault must have a lifecycle policy with a retention period equal to or longer than the minimum retention period. If the job's retention period is shorter than that minimum retention period, then the vault fails the backup or copy job, and you should either modify your lifecycle settings or use a different vault. Recovery points already stored in the vault prior to Vault Lock are not affected.

Type: Long

Required: No

NumberOfRecoveryPoints

The number of recovery points that are stored in a backup vault. Recovery point count value displayed in the console can be an approximation.

Type: Long

Required: No

VaultState

The current state of the vault.

Type: String

Valid Values: `CREATING | AVAILABLE | FAILED`

Required: No

VaultType

The type of vault in which the described recovery point is stored.

Type: String

Valid Values: `BACKUP_VAULT | LOGICALLY_AIR_GAPPED_BACKUP_VAULT | RESTORE_ACCESS_BACKUP_VAULT`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CalculatedLifecycle

Service: AWS Backup

Contains `DeleteAt` and `MoveToColdStorageAt` timestamps, which are used to specify a lifecycle for a recovery point.

The lifecycle defines when a protected resource is transitioned to cold storage and when it expires. AWS Backup transitions and expires backups automatically according to the lifecycle that you define.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, the “retention” setting must be 90 days greater than the “transition to cold after days” setting. The “transition to cold after days” setting cannot be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

Contents

DeleteAt

A timestamp that specifies when to delete a recovery point.

Type: Timestamp

Required: No

MoveToColdStorageAt

A timestamp that specifies when to transition a recovery point to cold storage.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

Condition

Service: AWS Backup

Contains an array of triplets made up of a condition type (such as `StringEquals`), a key, and a value. Used to filter resources using their tags and assign them to a backup plan. Case sensitive.

Contents

ConditionKey

The key in a key-value pair. For example, in the tag `Department: Accounting`, `Department` is the key.

Type: String

Required: Yes

ConditionType

An operation applied to a key-value pair used to assign resources to your backup plan. Condition only supports `StringEquals`. For more flexible assignment options, including `StringLike` and the ability to exclude resources from your backup plan, use `Conditions` (with an "s" on the end) for your `BackupSelection`.

Type: String

Valid Values: `STRINGEQUALS`

Required: Yes

ConditionValue

The value in a key-value pair. For example, in the tag `Department: Accounting`, `Accounting` is the value.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConditionParameter

Service: AWS Backup

Includes information about tags you define to assign tagged resources to a backup plan.

Include the prefix `aws:ResourceTag` in your tags. For example, `"aws:ResourceTag/TagKey1": "Value1"`.

Contents

ConditionKey

The key in a key-value pair. For example, in the tag `Department: Accounting`, `Department` is the key.

Type: String

Required: No

ConditionValue

The value in a key-value pair. For example, in the tag `Department: Accounting`, `Accounting` is the value.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Conditions

Service: AWS Backup

Contains information about which resources to include or exclude from a backup plan using their tags. Conditions are case sensitive.

Contents

StringEquals

Filters the values of your tagged resources for only those resources that you tagged with the same value. Also called "exact matching."

Type: Array of ConditionParameter objects

Required: No

StringLike

Filters the values of your tagged resources for matching tag values with the use of a wildcard character (*) anywhere in the string. For example, "prod*" or "*rod*" matches the tag value "production".

Type: Array of ConditionParameter objects

Required: No

StringNotEquals

Filters the values of your tagged resources for only those resources that you tagged that do not have the same value. Also called "negated matching."

Type: Array of ConditionParameter objects

Required: No

StringNotLike

Filters the values of your tagged resources for non-matching tag values with the use of a wildcard character (*) anywhere in the string.

Type: Array of ConditionParameter objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ControlInputParameter

Service: AWS Backup

The parameters for a control. A control can have zero, one, or more than one parameter. An example of a control with two parameters is: "backup plan frequency is at least `daily` and the retention period is at least `1 year`". The first parameter is `daily`. The second parameter is `1 year`.

Contents

ParameterName

The name of a parameter, for example, `BackupPlanFrequency`.

Type: String

Required: No

ParameterValue

The value of parameter, for example, `hourly`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ControlScope

Service: AWS Backup

A framework consists of one or more controls. Each control has its own control scope. The control scope can include one or more resource types, a combination of a tag key and value, or a combination of one resource type and one resource ID. If no scope is specified, evaluations for the rule are triggered when any resource in your recording group changes in configuration.

> **Note**
>
> To set a control scope that includes all of a particular resource, leave the `ControlScope` empty or do not pass it when calling `CreateFramework`.

Contents

ComplianceResourceIds

The ID of the only AWS resource that you want your control scope to contain.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

ComplianceResourceTypes

Describes whether the control scope includes one or more types of resources, such as EFS or RDS.

Type: Array of strings

Required: No

Tags

The tag key-value pair applied to those AWS resources that you want to trigger an evaluation for a rule. A maximum of one key-value pair can be provided. The tag value is optional, but it cannot be an empty string if you are creating or editing a framework from the console (though the value can be an empty string when included in a CloudFormation template).

The structure to assign a tag is: `[{"Key":"string","Value":"string"}]`.

Type: String to string map

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CopyAction

Service: AWS Backup

The details of the copy operation.

Contents

DestinationBackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies the destination backup vault for the copied backup. For example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

Required: Yes

Lifecycle

Specifies the time period, in days, before a recovery point transitions to cold storage or is deleted.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, on the console, the retention setting must be 90 days greater than the transition to cold after days setting. The transition to cold after days setting can't be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

To remove the existing lifecycle and retention periods and keep your recovery points indefinitely, specify -1 for `MoveToColdStorageAfterDays` and `DeleteAfterDays`.

Type: Lifecycle object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CopyJob

Service: AWS Backup

Contains detailed information about a copy job.

Contents

AccountId

The account ID that owns the copy job.

Type: String

Pattern: `^[0-9]{12}$`

Required: No

BackupSizeInBytes

The size, in bytes, of a copy job.

Type: Long

Required: No

ChildJobsInState

This returns the statistics of the included child (nested) copy jobs.

Type: String to long map

Valid Keys: `CREATED | RUNNING | COMPLETED | FAILED | PARTIAL`

Required: No

CompletionDate

The date and time a copy job is completed, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

CompositeMemberIdentifier

The identifier of a resource within a composite group, such as nested (child) recovery point belonging to a composite (parent) stack. The ID is transferred from the logical ID within a stack.

Type: String

Required: No

CopyJobId

Uniquely identifies a copy job.

Type: String

Required: No

CreatedBy

Contains information about the backup plan and rule that AWS Backup used to initiate the recovery point backup.

Type: RecoveryPointCreator object

Required: No

CreatedByBackupJobId

The backup job ID that initiated this copy job. Only applicable to scheduled copy jobs and automatic copy jobs to logically air-gapped vault.

Type: String

Required: No

CreationDate

The date and time a copy job is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

DestinationBackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a destination copy vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

Required: No

DestinationEncryptionKeyArn

The Amazon Resource Name (ARN) of the KMS key used to encrypt the copied backup in the destination vault. This can be a customer-managed key or an AWS managed key.

Type: String

Required: No

DestinationRecoveryPointArn

An ARN that uniquely identifies a destination recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Required: No

DestinationRecoveryPointLifecycle

Specifies the time period, in days, before a recovery point transitions to cold storage or is deleted.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, on the console, the retention setting must be 90 days greater than the transition to cold after days setting. The transition to cold after days setting can't be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

To remove the existing lifecycle and retention periods and keep your recovery points indefinitely, specify -1 for `MoveToColdStorageAfterDays` and `DeleteAfterDays`.

Type: Lifecycle object

Required: No

DestinationVaultLockState

The lock state of the destination backup vault. For logically air-gapped vaults, this indicates whether the vault is locked in compliance mode. Valid values include `LOCKED` and `UNLOCKED`.

Type: String

Required: No

DestinationVaultType

The type of destination backup vault where the copied recovery point is stored. Valid values are `BACKUP_VAULT` for standard backup vaults and `LOGICALLY_AIR_GAPPED_BACKUP_VAULT` for logically air-gapped vaults.

Type: String

Required: No

IamRoleArn

Specifies the IAM role ARN used to copy the target recovery point; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: No

IsParent

This is a boolean value indicating this is a parent (composite) copy job.

Type: Boolean

Required: No

MessageCategory

This parameter is the job count for the specified message category.

Example strings may include `AccessDenied`, `SUCCESS`, `AGGREGATE_ALL`, and `InvalidParameters`. See Monitoring for a list of MessageCategory strings.

The the value ANY returns count of all message categories.

AGGREGATE_ALL aggregates job counts for all message categories and returns the sum

Type: String

Required: No

NumberOfChildJobs

The number of child (nested) copy jobs.

Type: Long

Required: No

ParentJobId

This uniquely identifies a request to AWS Backup to copy a resource. The return will be the parent (composite) job ID.

Type: String

Required: No

ResourceArn

The AWS resource to be copied; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database.

Type: String

Required: No

ResourceName

The non-unique name of the resource that belongs to the specified backup.

Type: String

Required: No

ResourceType

The type of AWS resource to be copied; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

SourceBackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a source copy vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

Required: No

SourceRecoveryPointArn

An ARN that uniquely identifies a source recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Required: No

State

The current state of a copy job.

Type: String

Valid Values: `CREATED | RUNNING | COMPLETED | FAILED | PARTIAL`

Required: No

StatusMessage

A detailed message explaining the status of the job to copy a resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CopyJobSummary

Service: AWS Backup

This is a summary of copy jobs created or running within the most recent 14 days.

The returned summary may contain the following: Region, Account, State, RestourceType, MessageCategory, StartTime, EndTime, and Count of included jobs.

Contents

AccountId

The account ID that owns the jobs within the summary.

Type: String

Pattern: `^[0-9]{12}$`

Required: No

Count

The value as a number of jobs in a job summary.

Type: Integer

Required: No

EndTime

The value of time in number format of a job end time.

This value is the time in Unix format, Coordinated Universal Time (UTC), and accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

MessageCategory

This parameter is the job count for the specified message category.

Example strings include `AccessDenied`, `Success`, and `InvalidParameters`. See Monitoring for a list of MessageCategory strings.

The the value ANY returns count of all message categories.

`AGGREGATE_ALL` aggregates job counts for all message categories and returns the sum.

Type: String

Required: No

Region

The AWS Regions within the job summary.

Type: String

Required: No

ResourceType

This value is the job count for the specified resource type. The request `GetSupportedResourceTypes` returns strings for supported resource types

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

StartTime

The value of time in number format of a job start time.

This value is the time in Unix format, Coordinated Universal Time (UTC), and accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

State

This value is job count for jobs with the specified state.

Type: String

Valid Values: `CREATED | RUNNING | ABORTING | ABORTED | COMPLETING | COMPLETED | FAILING | FAILED | PARTIAL | AGGREGATE_ALL | ANY`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DateRange

Service: AWS Backup

This is a resource filter containing FromDate: DateTime and ToDate: DateTime. Both values are required. Future DateTime values are not permitted.

The date and time are in Unix format and Coordinated Universal Time (UTC), and it is accurate to milliseconds ((milliseconds are optional). For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Contents

FromDate

This value is the beginning date, inclusive.

The date and time are in Unix format and Coordinated Universal Time (UTC), and it is accurate to milliseconds (milliseconds are optional).

Type: Timestamp

Required: Yes

ToDate

This value is the end date, inclusive.

The date and time are in Unix format and Coordinated Universal Time (UTC), and it is accurate to milliseconds (milliseconds are optional).

Type: Timestamp

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

Framework

Service: AWS Backup

Contains detailed information about a framework. Frameworks contain controls, which evaluate and report on your backup events and resources. Frameworks generate daily compliance results.

Contents

CreationTime

The date and time that a framework is created, in ISO 8601 representation. The value of `CreationTime` is accurate to milliseconds. For example, 2020-07-10T15:00:00.000-08:00 represents the 10th of July 2020 at 3:00 PM 8 hours behind UTC.

Type: Timestamp

Required: No

DeploymentStatus

The deployment status of a framework. The statuses are:

`CREATE_IN_PROGRESS | UPDATE_IN_PROGRESS | DELETE_IN_PROGRESS | COMPLETED | FAILED`

Type: String

Required: No

FrameworkArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

Required: No

FrameworkDescription

An optional description of the framework with a maximum 1,024 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

FrameworkName

The unique name of a framework. This name is between 1 and 256 characters, starting with a letter, and consisting of letters (a-z, A-Z), numbers (0-9), and underscores (_).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Required: No

NumberOfControls

The number of controls contained by the framework.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FrameworkControl

Service: AWS Backup

Contains detailed information about all of the controls of a framework. Each framework must contain at least one control.

Contents

ControlName

The name of a control. This name is between 1 and 256 characters.

Type: String

Required: Yes

ControlInputParameters

The name/value pairs.

Type: Array of ControlInputParameter objects

Required: No

ControlScope

The scope of a control. The control scope defines what the control will evaluate. Three examples of control scopes are: a specific backup plan, all backup plans with a specific tag, or all backup plans.

For more information, see `ControlScope.`

Type: ControlScope object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

IndexAction

Service: AWS Backup

This is an optional array within a BackupRule.

IndexAction consists of one ResourceTypes.

Contents

ResourceTypes

0 or 1 index action will be accepted for each BackupRule.

Valid values:

- EBS for Amazon Elastic Block Store
- S3 for Amazon Simple Storage Service (Amazon S3)

Type: Array of strings

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IndexedRecoveryPoint

Service: AWS Backup

This is a recovery point that has an associated backup index.

Only recovery points with a backup index can be included in a search.

Contents

BackupCreationDate

The date and time that a backup was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

BackupVaultArn

An ARN that uniquely identifies the backup vault where the recovery point index is stored.

For example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

Required: No

IamRoleArn

This specifies the IAM role ARN used for this operation.

For example, arn:aws:iam::123456789012:role/S3Access

Type: String

Required: No

IndexCreationDate

The date and time that a backup index was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

IndexStatus

This is the current status for the backup index associated with the specified recovery point.

Statuses are: `PENDING` | `ACTIVE` | `FAILED` | `DELETING`

A recovery point with an index that has the status of `ACTIVE` can be included in a search.

Type: String

Valid Values: `PENDING | ACTIVE | FAILED | DELETING`

Required: No

IndexStatusMessage

A string in the form of a detailed message explaining the status of a backup index associated with the recovery point.

Type: String

Required: No

RecoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`

Type: String

Required: No

ResourceType

The resource type of the indexed recovery point.

- EBS for Amazon Elastic Block Store
- S3 for Amazon Simple Storage Service (Amazon S3)

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

SourceResourceArn

A string of the Amazon Resource Name (ARN) that uniquely identifies the source resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KeyValue

Service: AWS Backup

Pair of two related strings. Allowed characters are letters, white space, and numbers that can be represented in UTF-8 and the following characters: `+ - = . _ : /`

Contents

Key

The tag key (String). The key can't start with `aws:`.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^(?![aA]{1}[wW]{1}[sS]{1}:)([\p{L}\p{Z}\p{N}_.:/=+\-@]+)$`

Type: String

Required: Yes

Value

The value of the key.

Length Constraints: Maximum length of 256.

Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LatestMpaApprovalTeamUpdate

Service: AWS Backup

Contains information about the latest update to an MPA approval team association.

Contents

ExpiryDate

The date and time when the MPA approval team update will expire.

Type: Timestamp

Required: No

InitiationDate

The date and time when the MPA approval team update was initiated.

Type: Timestamp

Required: No

MpaSessionArn

The ARN of the MPA session associated with this update.

Type: String

Required: No

Status

The current status of the MPA approval team update.

Type: String

Valid Values: `PENDING | APPROVED | FAILED`

Required: No

StatusMessage

A message describing the current status of the MPA approval team update.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LatestRevokeRequest

Service: AWS Backup

Contains information about the latest request to revoke access to a backup vault.

Contents

ExpiryDate

The date and time when the revoke request will expire.

Type: Timestamp

Required: No

InitiationDate

The date and time when the revoke request was initiated.

Type: Timestamp

Required: No

MpaSessionArn

The ARN of the MPA session associated with this revoke request.

Type: String

Required: No

Status

The current status of the revoke request.

Type: String

Valid Values: `PENDING | FAILED`

Required: No

StatusMessage

A message describing the current status of the revoke request.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LegalHold

Service: AWS Backup

A legal hold is an administrative tool that helps prevent backups from being deleted while under a hold. While the hold is in place, backups under a hold cannot be deleted and lifecycle policies that would alter the backup status (such as transition to cold storage) are delayed until the legal hold is removed. A backup can have more than one legal hold. Legal holds are applied to one or more backups (also known as recovery points). These backups can be filtered by resource types and by resource IDs.

Contents

CancellationDate

The time when the legal hold was cancelled.

Type: Timestamp

Required: No

CreationDate

The time when the legal hold was created.

Type: Timestamp

Required: No

Description

The description of a legal hold.

Type: String

Required: No

LegalHoldArn

The Amazon Resource Name (ARN) of the legal hold; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Required: No

LegalHoldId

The ID of the legal hold.

Type: String

Required: No

Status

The status of the legal hold.

Type: String

Valid Values: `CREATING | ACTIVE | CANCELING | CANCELED`

Required: No

Title

The title of a legal hold.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Lifecycle

Service: AWS Backup

Specifies the time period, in days, before a recovery point transitions to cold storage or is deleted.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, on the console, the retention setting must be 90 days greater than the transition to cold after days setting. The transition to cold after days setting can't be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

To remove the existing lifecycle and retention periods and keep your recovery points indefinitely, specify -1 for `MoveToColdStorageAfterDays` and `DeleteAfterDays`.

Contents

DeleteAfterDays

The number of days after creation that a recovery point is deleted. This value must be at least 90 days after the number of days specified in `MoveToColdStorageAfterDays`.

Type: Long

Required: No

DeleteAfterEvent

The event after which a recovery point is deleted. A recovery point with both `DeleteAfterDays` and `DeleteAfterEvent` will delete after whichever condition is satisfied first. Not valid as an input.

Type: String

Valid Values: `DELETE_AFTER_COPY`

Required: No

MoveToColdStorageAfterDays

The number of days after creation that a recovery point is moved to cold storage.

Type: Long

Required: No

OptInToArchiveForSupportedResources

If the value is true, your backup plan transitions supported resources to archive (cold) storage tier in accordance with your lifecycle settings.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ListAccessPointsMember

Service: AWS Backup

Contains metadata about a backup access point.

Contents

AccessPointArn

The Amazon Resource Name (ARN) that uniquely identifies the backup access point.

Type: String

Pattern: `(arn:aws[a-z-]*:backup:[a-z-\d]+:\d{12}:accesspoint/)[\da-z]{1}[\da-z-]{1,48}[\da-z]{1}(?<!-s3alias)(?<!-ext-s3alias)`

Required: Yes

AccessPointMetadata

Metadata for the backup access point. After the backup access point reaches the `AVAILABLE` status, this map contains `S3AccessPointArn` and `S3AccessPointAlias`, which you use with standard Amazon S3 read APIs to access the backup data. For continuous recovery points, this map also contains `AccessPointInTime` (in format `2021-11-27T03:30:27Z`). The access point provides access to the content present in the backup at that specific time.

Type: String to string map

Key Length Constraints: Minimum length of 1.

Value Length Constraints: Minimum length of 1.

Required: Yes

BackupVaultName

The name of the backup vault that contains the recovery point.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: Yes

CreationTime

The date and time that the backup access point was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: Yes

Name

The name of the backup access point.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 50.

Pattern: `[\da-z]{1}[\da-z-]{1,48}[\da-z]{1}(?<!-s3alias)(?<!-ext-s3alias)`

Required: Yes

RecoveryPointArn

The Amazon Resource Name (ARN) of the recovery point that the backup access point provides access to.

Type: String

Pattern: `(arn:aws[a-z-]*:[a-z-\d]+:[a-z-\d]+:).+`

Required: Yes

ResourceArn

The Amazon Resource Name (ARN) of the resource that was backed up, such as an Amazon S3 bucket.

Type: String

Pattern: `(arn:aws[a-z-]*:[a-z-\d]+:).+`

Required: Yes

ResourceType

The type of AWS resource associated with the recovery point. For example, S3 for Amazon Simple Storage Service.

Type: String

Required: Yes

Status

The current status of the backup access point.

Type: String

Valid Values: `AVAILABLE | CREATING | DELETING | DISASSOCIATED | DISASSOCIATING | EXPIRED | FAILED`

Required: Yes

BackupVaultArn

The Amazon Resource Name (ARN) of the backup vault that contains the recovery point.

Type: String

Required: No

StatusMessage

A message that provides additional detail about the status of the backup access point, such as the reason a creation or deletion attempt failed.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

ProtectedResource

Service: AWS Backup

A structure that contains information about a backed-up resource.

Contents

LastBackupTime

The date and time a resource was last backed up, in Unix format and Coordinated Universal Time (UTC). The value of `LastBackupTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

LastBackupVaultArn

The ARN (Amazon Resource Name) of the backup vault that contains the most recent backup recovery point.

Type: String

Required: No

LastRecoveryPointArn

The ARN (Amazon Resource Name) of the most recent recovery point.

Type: String

Required: No

ResourceArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

Required: No

ResourceName

The non-unique name of the resource that belongs to the specified backup.

Type: String

Required: No

ResourceType

The type of AWS resource; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database. For Windows Volume Shadow Copy Service (VSS) backups, the only supported resource type is Amazon EC2.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProtectedResourceConditions

Service: AWS Backup

The conditions that you define for resources in your restore testing plan using tags.

Contents

StringEquals

Filters the values of your tagged resources for only those resources that you tagged with the same value. Also called "exact matching."

Type: Array of KeyValue objects

Required: No

StringNotEquals

Filters the values of your tagged resources for only those resources that you tagged that do not have the same value. Also called "negated matching."

Type: Array of KeyValue objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RecoveryPointByBackupVault

Service: AWS Backup

Contains detailed information about the recovery points stored in a backup vault.

Contents

AggregatedScanResult

Contains the latest scanning results against the recovery point and currently include `FailedScan`, `Findings`, `LastComputed`.

Type: AggregatedScanResult object

Required: No

BackupSizeInBytes

The size, in bytes, of a backup.

Type: Long

Required: No

BackupVaultArn

An ARN that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

Required: No

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: No

CalculatedLifecycle

A `CalculatedLifecycle` object containing `DeleteAt` and `MoveToColdStorageAt` timestamps.

Type: CalculatedLifecycle object

Required: No

CompletionDate

The date and time a job to restore a recovery point is completed, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

CompositeMemberIdentifier

The identifier of a resource within a composite group, such as nested (child) recovery point belonging to a composite (parent) stack. The ID is transferred from the logical ID within a stack.

Type: String

Required: No

CreatedBy

Contains identifying information about the creation of a recovery point, including the `BackupPlanArn`, `BackupPlanId`, `BackupPlanVersion`, and `BackupRuleId` of the backup plan that is used to create it.

Type: RecoveryPointCreator object

Required: No

CreationDate

The date and time a recovery point is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

EncryptionKeyArn

The server-side encryption key that is used to protect your backups; for example, `arn:aws:kms:us-west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab`.

Type: String

Required: No

EncryptionKeyType

The type of encryption key used for the recovery point. Valid values are CUSTOMER_MANAGED_KMS_KEY for customer-managed keys or AWS_OWNED_KMS_KEY for AWS-owned keys.

Type: String

Valid Values: `AWS_OWNED_KMS_KEY | CUSTOMER_MANAGED_KMS_KEY`

Required: No

IamRoleArn

Specifies the IAM role ARN used to create the target recovery point; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: No

IndexStatus

This is the current status for the backup index associated with the specified recovery point.

Statuses are: `PENDING` | `ACTIVE` | `FAILED` | `DELETING`

A recovery point with an index that has the status of `ACTIVE` can be included in a search.

Type: String

Valid Values: `PENDING | ACTIVE | FAILED | DELETING`

Required: No

IndexStatusMessage

A string in the form of a detailed message explaining the status of a backup index associated with the recovery point.

Type: String

Required: No

InitiationDate

The date and time when the backup job that created this recovery point was initiated, in Unix format and Coordinated Universal Time (UTC).

Type: Timestamp

Required: No

IsEncrypted

A Boolean value that is returned as `TRUE` if the specified recovery point is encrypted, or `FALSE` if the recovery point is not encrypted.

Type: Boolean

Required: No

IsParent

This is a boolean value indicating this is a parent (composite) recovery point.

Type: Boolean

Required: No

LastRestoreTime

The date and time a recovery point was last restored, in Unix format and Coordinated Universal Time (UTC). The value of `LastRestoreTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

Lifecycle

The lifecycle defines when a protected resource is transitioned to cold storage and when it expires. AWS Backup transitions and expires backups automatically according to the lifecycle that you define.

Backups transitioned to cold storage must be stored in cold storage for a minimum of 90 days. Therefore, the “retention” setting must be 90 days greater than the “transition to cold after days” setting. The “transition to cold after days” setting cannot be changed after a backup has been transitioned to cold.

Resource types that can transition to cold storage are listed in the Feature availability by resource table. AWS Backup ignores this expression for other resource types.

Type: Lifecycle object

Required: No

ParentRecoveryPointArn

The Amazon Resource Name (ARN) of the parent (composite) recovery point.

Type: String

Required: No

RecoveryPointArn

An Amazon Resource Name (ARN) that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Required: No

ResourceArn

An ARN that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

Required: No

ResourceName

The non-unique name of the resource that belongs to the specified backup.

Type: String

Required: No

ResourceType

The type of AWS resource saved as a recovery point; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database. For Windows Volume Shadow Copy Service (VSS) backups, the only supported resource type is Amazon EC2.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

SourceBackupVaultArn

The backup vault where the recovery point was originally copied from. If the recovery point is restored to the same account this value will be `null`.

Type: String

Required: No

Status

A status code specifying the state of the recovery point.

Type: String

Valid Values: `COMPLETED | PARTIAL | DELETING | EXPIRED | AVAILABLE | STOPPED | CREATING`

Required: No

StatusMessage

A message explaining the current status of the recovery point.

Type: String

Required: No

VaultType

The type of vault in which the described recovery point is stored.

Type: String

Valid Values: `BACKUP_VAULT | LOGICALLY_AIR_GAPPED_BACKUP_VAULT | RESTORE_ACCESS_BACKUP_VAULT`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RecoveryPointByResource

Service: AWS Backup

Contains detailed information about a saved recovery point.

Contents

AggregatedScanResult

Contains the latest scanning results against the recovery point and currently include `FailedScan`, `Findings`, `LastComputed`.

Type: AggregatedScanResult object

Required: No

BackupSizeBytes

The size, in bytes, of a backup.

Type: Long

Required: No

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: No

CreationDate

The date and time a recovery point is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

EncryptionKeyArn

The server-side encryption key that is used to protect your backups; for example, `arn:aws:kms:us-west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab`.

Type: String

Required: No

EncryptionKeyType

The type of encryption key used for the recovery point. Valid values are CUSTOMER_MANAGED_KMS_KEY for customer-managed keys or AWS_OWNED_KMS_KEY for AWS-owned keys.

Type: String

Valid Values: `AWS_OWNED_KMS_KEY | CUSTOMER_MANAGED_KMS_KEY`

Required: No

IndexStatus

This is the current status for the backup index associated with the specified recovery point.

Statuses are: `PENDING` | `ACTIVE` | `FAILED` | `DELETING`

A recovery point with an index that has the status of `ACTIVE` can be included in a search.

Type: String

Valid Values: `PENDING | ACTIVE | FAILED | DELETING`

Required: No

IndexStatusMessage

A string in the form of a detailed message explaining the status of a backup index associated with the recovery point.

Type: String

Required: No

IsParent

This is a boolean value indicating this is a parent (composite) recovery point.

Type: Boolean

Required: No

ParentRecoveryPointArn

The Amazon Resource Name (ARN) of the parent (composite) recovery point.

Type: String

Required: No

RecoveryPointArn

An Amazon Resource Name (ARN) that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Required: No

ResourceName

The non-unique name of the resource that belongs to the specified backup.

Type: String

Required: No

Status

A status code specifying the state of the recovery point.

Type: String

Valid Values: `COMPLETED | PARTIAL | DELETING | EXPIRED | AVAILABLE | STOPPED | CREATING`

Required: No

StatusMessage

A message explaining the current status of the recovery point.

Type: String

Required: No

VaultType

The type of vault in which the described recovery point is stored.

Type: String

Valid Values: `BACKUP_VAULT | LOGICALLY_AIR_GAPPED_BACKUP_VAULT | RESTORE_ACCESS_BACKUP_VAULT`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RecoveryPointCreator

Service: AWS Backup

Contains information about the backup plan and rule that AWS Backup used to initiate the recovery point backup.

Contents

BackupPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a backup plan; for example, `arn:aws:backup:us-east-1:123456789012:plan:8F81F553-3A74-4A3F-B93D-B3360DC80C50`.

Type: String

Required: No

BackupPlanId

Uniquely identifies a backup plan.

Type: String

Required: No

BackupPlanName

The name of the backup plan that created this recovery point. This provides human-readable context about which backup plan was responsible for the backup job.

Type: String

Required: No

BackupPlanVersion

Version IDs are unique, randomly generated, Unicode, UTF-8 encoded strings that are at most 1,024 bytes long. They cannot be edited.

Type: String

Required: No

BackupRuleCron

The cron expression that defines the schedule for the backup rule. This shows the frequency and timing of when backups are automatically triggered.

Type: String

Required: No

BackupRuleId

Uniquely identifies a rule used to schedule the backup of a selection of resources.

Type: String

Required: No

BackupRuleName

The name of the backup rule within the backup plan that created this recovery point. This helps identify which specific rule triggered the backup job.

Type: String

Required: No

BackupRuleTimezone

The timezone used for the backup rule schedule. This provides context for when backups are scheduled to run in the specified timezone.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RecoveryPointMember

Service: AWS Backup

This is a recovery point which is a child (nested) recovery point of a parent (composite) recovery point. These recovery points can be disassociated from their parent (composite) recovery point, in which case they will no longer be a member.

Contents

BackupVaultName

The name of the backup vault (the logical container in which backups are stored).

Type: String

Pattern: `^[a-zA-Z0-9\-\_]{2,50}$`

Required: No

RecoveryPointArn

The Amazon Resource Name (ARN) of the parent (composite) recovery point.

Type: String

Required: No

ResourceArn

The Amazon Resource Name (ARN) that uniquely identifies a saved resource.

Type: String

Required: No

ResourceType

The AWS resource type that is saved as a recovery point.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RecoveryPointSelection

Service: AWS Backup

This specifies criteria to assign a set of resources, such as resource types or backup vaults.

Contents

DateRange

This is a resource filter containing FromDate: DateTime and ToDate: DateTime. Both values are required. Future DateTime values are not permitted.

The date and time are in Unix format and Coordinated Universal Time (UTC), and it is accurate to milliseconds ((milliseconds are optional). For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: DateRange object

Required: No

ResourceIdentifiers

These are the resources included in the resource selection (including type of resources and vaults).

Type: Array of strings

Required: No

VaultNames

These are the names of the vaults in which the selected recovery points are contained.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReportDeliveryChannel

Service: AWS Backup

Contains information from your report plan about where to deliver your reports, specifically your Amazon S3 bucket name, S3 key prefix, and the formats of your reports.

Contents

S3BucketName

The unique name of the S3 bucket that receives your reports.

Type: String

Required: Yes

Formats

The format of your reports: `CSV`, `JSON`, or both. If not specified, the default format is `CSV`.

Type: Array of strings

Required: No

S3KeyPrefix

The prefix for where AWS Backup Audit Manager delivers your reports to Amazon S3. The prefix is this part of the following path: s3://your-bucket-name/`prefix`/Backup/us-west-2/year/month/day/report-name. If not specified, there is no prefix.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReportDestination

Service: AWS Backup

Contains information from your report job about your report destination.

Contents

S3BucketName

The unique name of the Amazon S3 bucket that receives your reports.

Type: String

Required: No

S3Keys

The object key that uniquely identifies your reports in your S3 bucket.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReportJob

Service: AWS Backup

Contains detailed information about a report job. A report job compiles a report based on a report plan and publishes it to Amazon S3.

Contents

CompletionTime

The date and time that a report job is completed, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

CreationTime

The date and time that a report job is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

ReportDestination

The S3 bucket name and S3 keys for the destination where the report job publishes the report.

Type: ReportDestination object

Required: No

ReportJobId

The identifier for a report job. A unique, randomly generated, Unicode, UTF-8 encoded string that is at most 1,024 bytes long. Report job IDs cannot be edited.

Type: String

Required: No

ReportPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

Required: No

ReportTemplate

Identifies the report template for the report. Reports are built using a report template. The report templates are:

`RESOURCE_COMPLIANCE_REPORT | CONTROL_COMPLIANCE_REPORT | BACKUP_JOB_REPORT | COPY_JOB_REPORT | RESTORE_JOB_REPORT`

Type: String

Required: No

Status

The status of a report job. The statuses are:

`CREATED | RUNNING | COMPLETED | FAILED`

`COMPLETED` means that the report is available for your review at your designated destination. If the status is `FAILED`, review the `StatusMessage` for the reason.

Type: String

Required: No

StatusMessage

A message explaining the status of the report job.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReportPlan

Service: AWS Backup

Contains detailed information about a report plan.

Contents

CreationTime

The date and time that a report plan is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

DeploymentStatus

The deployment status of a report plan. The statuses are:

`CREATE_IN_PROGRESS | UPDATE_IN_PROGRESS | DELETE_IN_PROGRESS | COMPLETED`

Type: String

Required: No

LastAttemptedExecutionTime

The date and time that a report job associated with this report plan last attempted to run, in Unix format and Coordinated Universal Time (UTC). The value of `LastAttemptedExecutionTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

LastSuccessfulExecutionTime

The date and time that a report job associated with this report plan last successfully ran, in Unix format and Coordinated Universal Time (UTC). The value of `LastSuccessfulExecutionTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

ReportDeliveryChannel

Contains information about where and how to deliver your reports, specifically your Amazon S3 bucket name, S3 key prefix, and the formats of your reports.

Type: ReportDeliveryChannel object

Required: No

ReportPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

Required: No

ReportPlanDescription

An optional description of the report plan with a maximum 1,024 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

ReportPlanName

The unique name of the report plan. This name is between 1 and 256 characters starting with a letter, and consisting of letters (a-z, A-Z), numbers (0-9), and underscores (_).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z][_a-zA-Z0-9]*`

Required: No

ReportSetting

Identifies the report template for the report. Reports are built using a report template. The report templates are:

`RESOURCE_COMPLIANCE_REPORT | CONTROL_COMPLIANCE_REPORT | BACKUP_JOB_REPORT | COPY_JOB_REPORT | RESTORE_JOB_REPORT`

If the report template is `RESOURCE_COMPLIANCE_REPORT` or `CONTROL_COMPLIANCE_REPORT`, this API resource also describes the report coverage by AWS Regions and frameworks.

Type: ReportSetting object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReportSetting

Service: AWS Backup

Contains detailed information about a report setting.

Contents

ReportTemplate

Identifies the report template for the report. Reports are built using a report template. The report templates are:

`RESOURCE_COMPLIANCE_REPORT | CONTROL_COMPLIANCE_REPORT | BACKUP_JOB_REPORT | COPY_JOB_REPORT | RESTORE_JOB_REPORT | SCAN_JOB_REPORT`

Type: String

Required: Yes

Accounts

These are the accounts to be included in the report.

Use string value of `ROOT` to include all organizational units.

Type: Array of strings

Required: No

FrameworkArns

The Amazon Resource Names (ARNs) of the frameworks a report covers.

Type: Array of strings

Required: No

NumberOfFrameworks

The number of frameworks a report covers.

Type: Integer

Required: No

OrganizationUnits

These are the Organizational Units to be included in the report.

Type: Array of strings

Required: No

Regions

These are the Regions to be included in the report.

Use the wildcard as the string value to include all Regions.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceSelection

Service: AWS Backup

This contains metadata about resource selection for tiering configurations.

You can specify up to 5 different resource selections per tiering configuration. Data moved to lower-cost tier remains there until deletion (one-way transition).

Contents

Resources

An array of strings that either contains ARNs of the associated resources or contains a wildcard `*` to specify all resources. You can specify up to 100 specific resources per tiering configuration.

Type: Array of strings

Required: Yes

ResourceType

The type of AWS resource; for example, S3 for Amazon S3. For tiering configurations, this is currently limited to S3.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: Yes

TieringDownSettingsInDays

The number of days after creation within a backup vault that an object can transition to the low cost warm storage tier. Must be a positive integer between 60 and 36500 days.

Type: Integer

Valid Range: Minimum value of 60. Maximum value of 36500.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreAccessBackupVaultListMember

Service: AWS Backup

Contains information about a restore access backup vault.

Contents

ApprovalDate

The date and time when the restore access backup vault was approved.

Type: Timestamp

Required: No

CreationDate

The date and time when the restore access backup vault was created.

Type: Timestamp

Required: No

LatestRevokeRequest

Information about the latest request to revoke access to this backup vault.

Type: LatestRevokeRequest object

Required: No

RestoreAccessBackupVaultArn

The ARN of the restore access backup vault.

Type: String

Required: No

VaultState

The current state of the restore access backup vault.

Type: String

Valid Values: `CREATING | AVAILABLE | FAILED`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreJobCreator

Service: AWS Backup

Contains information about the restore testing plan that AWS Backup used to initiate the restore job.

Contents

RestoreTestingPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a restore testing plan.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreJobsListMember

Service: AWS Backup

Contains metadata about a restore job.

Contents

AccountId

The account ID that owns the restore job.

Type: String

Pattern: `^[0-9]{12}$`

Required: No

BackupSizeInBytes

The size, in bytes, of the restored resource.

Type: Long

Required: No

BackupVaultArn

The Amazon Resource Name (ARN) of the backup vault containing the recovery point being restored. This helps identify vault access policies and permissions.

Type: String

Required: No

CompletionDate

The date and time a job to restore a recovery point is completed, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

CreatedBy

Contains identifying information about the creation of a restore job.

Type: RestoreJobCreator object

Required: No

CreatedResourceArn

An Amazon Resource Name (ARN) that uniquely identifies a resource. The format of the ARN depends on the resource type.

Type: String

Required: No

CreationDate

The date and time a restore job is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

DeletionStatus

This notes the status of the data generated by the restore test. The status may be `Deleting`, `Failed`, or `Successful`.

Type: String

Valid Values: `DELETING | FAILED | SUCCESSFUL`

Required: No

DeletionStatusMessage

This describes the restore job deletion status.

Type: String

Required: No

ExpectedCompletionTimeMinutes

The amount of time in minutes that a job restoring a recovery point is expected to take.

Type: Long

Required: No

IamRoleArn

The IAM role ARN used to create the target recovery point; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: No

IsParent

This is a boolean value indicating whether the restore job is a parent (composite) restore job.

Type: Boolean

Required: No

ParentJobId

This is the unique identifier of the parent restore job for the selected restore job.

Type: String

Required: No

PercentDone

Contains an estimated percentage complete of a job at the time the job status was queried.

Type: String

Required: No

RecoveryPointArn

An ARN that uniquely identifies a recovery point; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Required: No

RecoveryPointCreationDate

The date on which a recovery point was created.

Type: Timestamp

Required: No

ResourceType

The resource type of the listed restore jobs; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database. For Windows Volume Shadow Copy Service (VSS) backups, the only supported resource type is Amazon EC2.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

RestoreJobId

Uniquely identifies the job that restores a recovery point.

Type: String

Required: No

SourceResourceArn

The Amazon Resource Name (ARN) of the original resource that was backed up. This provides context about what resource is being restored.

Type: String

Required: No

Status

A status code specifying the state of the job initiated by AWS Backup to restore a recovery point.

Type: String

Valid Values: `PENDING | RUNNING | COMPLETED | ABORTED | FAILED`

Required: No

StatusMessage

A detailed message explaining the status of the job to restore a recovery point.

Type: String

Required: No

ValidationStatus

The status of validation run on the indicated restore job.

Type: String

Valid Values: `FAILED | SUCCESSFUL | TIMED_OUT | VALIDATING`

Required: No

ValidationStatusMessage

This describes the status of validation run on the indicated restore job.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreJobSummary

Service: AWS Backup

This is a summary of restore jobs created or running within the most recent 14 days.

The returned summary may contain the following: Region, Account, State, ResourceType, MessageCategory, StartTime, EndTime, and Count of included jobs.

Contents

AccountId

The account ID that owns the jobs within the summary.

Type: String

Pattern: `^[0-9]{12}$`

Required: No

Count

The value as a number of jobs in a job summary.

Type: Integer

Required: No

EndTime

The value of time in number format of a job end time.

This value is the time in Unix format, Coordinated Universal Time (UTC), and accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

Region

The AWS Regions within the job summary.

Type: String

Required: No

ResourceType

This value is the job count for the specified resource type. The request `GetSupportedResourceTypes` returns strings for supported resource types.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

StartTime

The value of time in number format of a job start time.

This value is the time in Unix format, Coordinated Universal Time (UTC), and accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

State

This value is job count for jobs with the specified state.

Type: String

Valid Values: `CREATED | PENDING | RUNNING | ABORTED | COMPLETED | FAILED | AGGREGATE_ALL | ANY`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

RestoreTestingPlanForCreate

Service: AWS Backup

This contains metadata about a restore testing plan.

Contents

RecoveryPointSelection

`RecoveryPointSelection` has five parameters (three required and two optional). The values you specify determine which recovery point is included in the restore test. You must indicate with `Algorithm` if you want the latest recovery point within your `SelectionWindowDays` or if you want a random recovery point, and you must indicate through `IncludeVaults` from which vaults the recovery points can be chosen.

`Algorithm` (*required*) Valid values: "`LATEST_WITHIN_WINDOW`" or "`RANDOM_WITHIN_WINDOW`".

`Recovery point types` (*required*) Valid values: "`SNAPSHOT`" and/or "`CONTINUOUS`". Include `SNAPSHOT` to restore only snapshot recovery points; include `CONTINUOUS` to restore continuous recovery points (point in time restore / PITR); use both to restore either a snapshot or a continuous recovery point. The recovery point will be determined by the value for `Algorithm`.

`IncludeVaults` (*required*). You must include one or more backup vaults. Use the wildcard ["*"] or specific ARNs.

`SelectionWindowDays` (*optional*) Value must be an integer (in days) from 1 to 365. If not included, the value defaults to `30`.

`ExcludeVaults` (*optional*). You can choose to input one or more specific backup vault ARNs to exclude those vaults' contents from restore eligibility. Or, you can include a list of selectors. If this parameter and its value are not included, it defaults to empty list.

Type: RestoreTestingRecoveryPointSelection object

Required: Yes

RestoreTestingPlanName

The RestoreTestingPlanName is a unique string that is the name of the restore testing plan. This cannot be changed after creation, and it must consist of only alphanumeric characters and underscores.

Type: String

Required: Yes

ScheduleExpression

A CRON expression in specified timezone when a restore testing plan is executed. When no CRON expression is provided, AWS Backup will use the default expression `cron(0 5 ? * * *)`.

Type: String

Required: Yes

ScheduleExpressionTimezone

Optional. This is the timezone in which the schedule expression is set. By default, ScheduleExpressions are in UTC. You can modify this to a specified timezone.

Type: String

Required: No

StartWindowHours

Defaults to 24 hours.

A value in hours after a restore test is scheduled before a job will be canceled if it doesn't start successfully. This value is optional. If this value is included, this parameter has a maximum value of 168 hours (one week).

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreTestingPlanForGet

Service: AWS Backup

This contains metadata about a restore testing plan.

Contents

CreationTime

The date and time that a restore testing plan was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: Yes

RecoveryPointSelection

The specified criteria to assign a set of resources, such as recovery point types or backup vaults.

Type: RestoreTestingRecoveryPointSelection object

Required: Yes

RestoreTestingPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a restore testing plan.

Type: String

Required: Yes

RestoreTestingPlanName

The restore testing plan name.

Type: String

Required: Yes

ScheduleExpression

A CRON expression in specified timezone when a restore testing plan is executed. When no CRON expression is provided, AWS Backup will use the default expression `cron(0 5 ? * * *)`.

Type: String

Required: Yes

CreatorRequestId

This identifies the request and allows failed requests to be retried without the risk of running the operation twice. If the request includes a `CreatorRequestId` that matches an existing backup plan, that plan is returned. This parameter is optional.

If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

LastExecutionTime

The last time a restore test was run with the specified restore testing plan. A date and time, in Unix format and Coordinated Universal Time (UTC). The value of `LastExecutionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

LastUpdateTime

The date and time that the restore testing plan was updated. This update is in Unix format and Coordinated Universal Time (UTC). The value of `LastUpdateTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

ScheduleExpressionTimezone

Optional. This is the timezone in which the schedule expression is set. By default, ScheduleExpressions are in UTC. You can modify this to a specified timezone.

Type: String

Required: No

StartWindowHours

Defaults to 24 hours.

A value in hours after a restore test is scheduled before a job will be canceled if it doesn't start successfully. This value is optional. If this value is included, this parameter has a maximum value of 168 hours (one week).

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreTestingPlanForList

Service: AWS Backup

This contains metadata about a restore testing plan.

Contents

CreationTime

The date and time that a restore testing plan was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: Yes

RestoreTestingPlanArn

An Amazon Resource Name (ARN) that uniquely identifiesa restore testing plan.

Type: String

Required: Yes

RestoreTestingPlanName

The restore testing plan name.

Type: String

Required: Yes

ScheduleExpression

A CRON expression in specified timezone when a restore testing plan is executed. When no CRON expression is provided, AWS Backup will use the default expression `cron(0 5 ? * * *)`.

Type: String

Required: Yes

LastExecutionTime

The last time a restore test was run with the specified restore testing plan. A date and time, in Unix format and Coordinated Universal Time (UTC). The value of `LastExecutionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

LastUpdateTime

The date and time that the restore testing plan was updated. This update is in Unix format and Coordinated Universal Time (UTC). The value of `LastUpdateTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

ScheduleExpressionTimezone

Optional. This is the timezone in which the schedule expression is set. By default, ScheduleExpressions are in UTC. You can modify this to a specified timezone.

Type: String

Required: No

StartWindowHours

Defaults to 24 hours.

A value in hours after a restore test is scheduled before a job will be canceled if it doesn't start successfully. This value is optional. If this value is included, this parameter has a maximum value of 168 hours (one week).

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreTestingPlanForUpdate

Service: AWS Backup

This contains metadata about a restore testing plan.

Contents

RecoveryPointSelection

Required: `Algorithm`; `RecoveryPointTypes`; `IncludeVaults` (*one or more*).

Optional: *SelectionWindowDays* (*'30' if not specified*); `ExcludeVaults` (defaults to empty list if not listed).

Type: RestoreTestingRecoveryPointSelection object

Required: No

ScheduleExpression

A CRON expression in specified timezone when a restore testing plan is executed. When no CRON expression is provided, AWS Backup will use the default expression `cron(0 5 ? * * *)`.

Type: String

Required: No

ScheduleExpressionTimezone

Optional. This is the timezone in which the schedule expression is set. By default, ScheduleExpressions are in UTC. You can modify this to a specified timezone.

Type: String

Required: No

StartWindowHours

Defaults to 24 hours.

A value in hours after a restore test is scheduled before a job will be canceled if it doesn't start successfully. This value is optional. If this value is included, this parameter has a maximum value of 168 hours (one week).

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreTestingRecoveryPointSelection

Service: AWS Backup

`RecoveryPointSelection` has five parameters (three required and two optional). The values you specify determine which recovery point is included in the restore test. You must indicate with `Algorithm` if you want the latest recovery point within your `SelectionWindowDays` or if you want a random recovery point, and you must indicate through `IncludeVaults` from which vaults the recovery points can be chosen.

`Algorithm` (*required*) Valid values: "`LATEST_WITHIN_WINDOW`" or "`RANDOM_WITHIN_WINDOW`".

`Recovery point types` (*required*) Valid values: "`SNAPSHOT`" and/or "`CONTINUOUS`". Include `SNAPSHOT` to restore only snapshot recovery points; include `CONTINUOUS` to restore continuous recovery points (point in time restore / PITR); use both to restore either a snapshot or a continuous recovery point. The recovery point will be determined by the value for `Algorithm`.

`IncludeVaults` (*required*). You must include one or more backup vaults. Use the wildcard ["*"] or specific ARNs.

`SelectionWindowDays` (*optional*) Value must be an integer (in days) from 1 to 365. If not included, the value defaults to `30`.

`ExcludeVaults` (*optional*). You can choose to input one or more specific backup vault ARNs to exclude those vaults' contents from restore eligibility. Or, you can include a list of selectors. If this parameter and its value are not included, it defaults to empty list.

Contents

Algorithm

Acceptable values include "LATEST_WITHIN_WINDOW" or "RANDOM_WITHIN_WINDOW"

Type: String

Valid Values: `LATEST_WITHIN_WINDOW | RANDOM_WITHIN_WINDOW`

Required: No

ExcludeVaults

Accepted values include specific ARNs or list of selectors. Defaults to empty list if not listed.

Type: Array of strings

Required: No

IncludeVaults

Accepted values include wildcard ["*"] or by specific ARNs or ARN wilcard replacement ["arn:aws:backup:us-west-2:123456789012:backup-vault:asdf", ...] ["arn:aws:backup:*:*:backup-vault:asdf-*", ...]

Type: Array of strings

Required: No

RecoveryPointTypes

These are the types of recovery points.

Include `SNAPSHOT` to restore only snapshot recovery points; include `CONTINUOUS` to restore continuous recovery points (point in time restore / PITR); use both to restore either a snapshot or a continuous recovery point. The recovery point will be determined by the value for `Algorithm`.

Type: Array of strings

Valid Values: `CONTINUOUS | SNAPSHOT`

Required: No

SelectionWindowDays

Accepted values are integers from 1 to 365. If not included, the value defaults to 30. The selection window is calculated from the actual job execution time, not the plan's scheduled start time.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreTestingSelectionForCreate

Service: AWS Backup

This contains metadata about a specific restore testing selection.

ProtectedResourceType is required, such as Amazon EBS or Amazon EC2.

This consists of `RestoreTestingSelectionName`, `ProtectedResourceType`, and one of the following:

- `ProtectedResourceArns`
- `ProtectedResourceConditions`

Each protected resource type can have one single value.

A restore testing selection can include a wildcard value ("*") for `ProtectedResourceArns` along with `ProtectedResourceConditions`. Alternatively, you can include up to 30 specific protected resource ARNs in `ProtectedResourceArns`.

`ProtectedResourceConditions` examples include as `StringEquals` and `StringNotEquals`.

Contents

IamRoleArn

The Amazon Resource Name (ARN) of the IAM role that AWS Backup uses to create the target resource; for example: `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: Yes

ProtectedResourceType

The type of AWS resource included in a restore testing selection; for example, an Amazon EBS volume or an Amazon RDS database.

Supported resource types accepted include:

- `Aurora` for Amazon Aurora
- `DocumentDB` for Amazon DocumentDB (with MongoDB compatibility)

- DynamoDB for Amazon DynamoDB
- EBS for Amazon Elastic Block Store
- EC2 for Amazon Elastic Compute Cloud
- EFS for Amazon Elastic File System
- FSx for Amazon FSx
- Neptune for Amazon Neptune
- RDS for Amazon Relational Database Service
- S3 for Amazon S3

Type: String

Required: Yes

RestoreTestingSelectionName

The unique name of the restore testing selection that belongs to the related restore testing plan.

The name consists of only alphanumeric characters and underscores. Maximum length is 50.

Type: String

Required: Yes

ProtectedResourceArns

Each protected resource can be filtered by its specific ARNs, such as `ProtectedResourceArns: ["arn:aws:...", "arn:aws:..."]` or by a wildcard: `ProtectedResourceArns: ["*"]`, but not both.

Type: Array of strings

Required: No

ProtectedResourceConditions

If you have included the wildcard in ProtectedResourceArns, you can include resource conditions, such as `ProtectedResourceConditions: { StringEquals: [{ key: "XXXX", value: "YYYY" }]`.

Type: ProtectedResourceConditions object

Required: No

RestoreMetadataOverrides

You can override certain restore metadata keys by including the parameter `RestoreMetadataOverrides` in the body of `RestoreTestingSelection`. Key values are not case sensitive.

See the complete list of restore testing inferred metadata.

Type: String to string map

Required: No

ValidationWindowHours

This is amount of hours (0 to 168) available to run a validation script on the data. The data will be deleted upon the completion of the validation script or the end of the specified retention period, whichever comes first.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreTestingSelectionForGet

Service: AWS Backup

This contains metadata about a restore testing selection.

Contents

CreationTime

The date and time that a restore testing selection was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 201812:11:30.087 AM.

Type: Timestamp

Required: Yes

IamRoleArn

The Amazon Resource Name (ARN) of the IAM role that AWS Backup uses to create the target resource; for example:`arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: Yes

ProtectedResourceType

The type of AWS resource included in a resource testing selection; for example, an Amazon EBS volume or an Amazon RDS database.

Type: String

Required: Yes

RestoreTestingPlanName

The RestoreTestingPlanName is a unique string that is the name of the restore testing plan.

Type: String

Required: Yes

RestoreTestingSelectionName

The unique name of the restore testing selection that belongs to the related restore testing plan.

The name consists of only alphanumeric characters and underscores. Maximum length is 50.

Type: String

Required: Yes

CreatorRequestId

This identifies the request and allows failed requests to be retried without the risk of running the operation twice. If the request includes a `CreatorRequestId` that matches an existing backup plan, that plan is returned. This parameter is optional.

If used, this parameter must contain 1 to 50 alphanumeric or '-_.' characters.

Type: String

Required: No

ProtectedResourceArns

You can include specific ARNs, such as `ProtectedResourceArns: ["arn:aws:...", "arn:aws:..."]` or you can include a wildcard: `ProtectedResourceArns: ["*"]`, but not both.

Type: Array of strings

Required: No

ProtectedResourceConditions

In a resource testing selection, this parameter filters by specific conditions such as `StringEquals` or `StringNotEquals`.

Type: ProtectedResourceConditions object

Required: No

RestoreMetadataOverrides

You can override certain restore metadata keys by including the parameter `RestoreMetadataOverrides` in the body of `RestoreTestingSelection`. Key values are not case sensitive.

See the complete list of restore testing inferred metadata.

Type: String to string map

Required: No

ValidationWindowHours

This is amount of hours (1 to 168) available to run a validation script on the data. The data will be deleted upon the completion of the validation script or the end of the specified retention period, whichever comes first.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreTestingSelectionForList

Service: AWS Backup

This contains metadata about a restore testing selection.

Contents

CreationTime

The date and time that a restore testing selection was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26,2018 12:11:30.087 AM.

Type: Timestamp

Required: Yes

IamRoleArn

The Amazon Resource Name (ARN) of the IAM role that AWS Backup uses to create the target resource; for example: `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: Yes

ProtectedResourceType

The type of AWS resource included in a restore testing selection; for example, an Amazon EBS volume or an Amazon RDS database.

Type: String

Required: Yes

RestoreTestingPlanName

Unique string that is the name of the restore testing plan.

The name cannot be changed after creation. The name must consist of only alphanumeric characters and underscores. Maximum length is 50.

Type: String

Required: Yes

RestoreTestingSelectionName

Unique name of a restore testing selection.

The name consists of only alphanumeric characters and underscores. Maximum length is 50.

Type: String

Required: Yes

ValidationWindowHours

This value represents the time, in hours, data is retained after a restore test so that optional validation can be completed.

Accepted value is an integer between 0 and 168 (the hourly equivalent of seven days).

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestoreTestingSelectionForUpdate

Service: AWS Backup

This contains metadata about a restore testing selection.

Contents

IamRoleArn

The Amazon Resource Name (ARN) of the IAM role that AWS Backup uses to create the target resource; for example: `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: No

ProtectedResourceArns

You can include a list of specific ARNs, such as `ProtectedResourceArns: ["arn:aws:...", "arn:aws:..."]` or you can include a wildcard: `ProtectedResourceArns: ["*"]`, but not both.

Type: Array of strings

Required: No

ProtectedResourceConditions

The conditions that you define for resources in your restore testing plan using tags.

Type: ProtectedResourceConditions object

Required: No

RestoreMetadataOverrides

You can override certain restore metadata keys by including the parameter `RestoreMetadataOverrides` in the body of `RestoreTestingSelection`. Key values are not case sensitive.

See the complete list of restore testing inferred metadata.

Type: String to string map

Required: No

ValidationWindowHours

This value represents the time, in hours, data is retained after a restore test so that optional validation can be completed.

Accepted value is an integer between 0 and 168 (the hourly equivalent of seven days).

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScanAction

Service: AWS Backup

Defines a scanning action that specifies the malware scanner and scan mode to use.

Contents

MalwareScanner

The malware scanner to use for the scan action. Currently only `GUARDDUTY` is supported.

Type: String

Valid Values: `GUARDDUTY`

Required: No

ScanMode

The scanning mode to use for the scan action.

Valid values: `FULL_SCAN` | `INCREMENTAL_SCAN`.

Type: String

Valid Values: `FULL_SCAN | INCREMENTAL_SCAN`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScanJob

Service: AWS Backup

Contains metadata about a scan job, including information about the scanning process, results, and associated resources.

Contents

AccountId

The account ID that owns the scan job.

Type: String

Required: Yes

BackupVaultArn

An Amazon Resource Name (ARN) that uniquely identifies a backup vault; for example, `arn:aws:backup:us-east-1:123456789012:backup-vault:aBackupVault`.

Type: String

Required: Yes

BackupVaultName

The name of a logical container where backups are stored. Backup vaults are identified by names that are unique to the account used to create them and the AWS Region where they are created.

Type: String

Required: Yes

CreatedBy

Contains identifying information about the creation of a scan job.

Type: ScanJobCreator object

Required: Yes

CreationDate

The date and time that a scan job is created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: Yes

IamRoleArn

Specifies the IAM role ARN used to create the scan job; for example, `arn:aws:iam::123456789012:role/S3Access`.

Type: String

Required: Yes

MalwareScanner

The scanning engine used for the scan job. Currently only `GUARDDUTY` is supported.

Type: String

Valid Values: `GUARDDUTY`

Required: Yes

RecoveryPointArn

An ARN that uniquely identifies the recovery point being scanned; for example, `arn:aws:backup:us-east-1:123456789012:recovery-point:1EB3B5E7-9EB0-435A-A80B-108B488B0D45`.

Type: String

Required: Yes

ResourceArn

An ARN that uniquely identifies the source resource of the recovery point being scanned.

Type: String

Required: Yes

ResourceName

The non-unique name of the resource that belongs to the specified backup.

Type: String

Required: Yes

ResourceType

The type of AWS resource being scanned; for example, an Amazon Elastic Block Store (Amazon EBS) volume or an Amazon Relational Database Service (Amazon RDS) database.

Type: String

Valid Values: `EBS | EC2 | S3`

Required: Yes

ScanJobId

The unique identifier that identifies the scan job request to AWS Backup.

Type: String

Required: Yes

ScanMode

Specifies the scan type use for the scan job.

Includes:

`FULL_SCAN` will scan the entire data lineage within the backup.

`INCREMENTAL_SCAN` will scan the data difference between the target recovery point and base recovery point ARN.

Type: String

Valid Values: `FULL_SCAN | INCREMENTAL_SCAN`

Required: Yes

ScannerRoleArn

Specifies the scanner IAM role ARN used for the scan job.

Type: String

Required: Yes

CompletionDate

The date and time that a scan job is completed, in Unix format and Coordinated Universal Time (UTC). The value of `CompletionDate` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

ContinuousScanEndTime

The point in time the scan job scanned up to for a continuous backup.

Type: Timestamp

Required: No

ContinuousScanStartTime

The point in time the scan job started scan from for a continuous backup.

Type: Timestamp

Required: No

ScanBaseRecoveryPointArn

An ARN that uniquely identifies the base recovery point for scanning. This field is populated when an incremental scan job has taken place.

Type: String

Required: No

ScanId

The scan ID generated by the malware scanner for the corresponding scan job.

Type: String

Required: No

ScanResult

Contains the scan results information, including the status of threats found during scanning.

Type: ScanResultInfo object

Required: No

State

The current state of the scan job.

Valid values: `CREATED` | `RUNNING` | `COMPLETED` | `COMPLETED_WITH_ISSUES` | `FAILED` | `CANCELED`.

Type: String

Valid Values: `CANCELED | COMPLETED | COMPLETED_WITH_ISSUES | CREATED | FAILED | RUNNING`

Required: No

StatusMessage

A detailed message explaining the status of the scan job.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScanJobCreator

Service: AWS Backup

Contains identifying information about the creation of a scan job, including the backup plan and rule that initiated the scan.

Contents

BackupPlanArn

An Amazon Resource Name (ARN) that uniquely identifies a backup plan; for example, `arn:aws:backup:us-east-1:123456789012:plan:8F81F553-3A74-4A3F-B93D-B3360DC80C50`.

Type: String

Required: Yes

BackupPlanId

The ID of the backup plan.

Type: String

Required: Yes

BackupPlanVersion

Unique, randomly generated, Unicode, UTF-8 encoded strings that are at most 1,024 bytes long. Version IDs cannot be edited.

Type: String

Required: Yes

BackupRuleId

Uniquely identifies the backup rule that initiated the scan job.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScanJobSummary

Service: AWS Backup

Contains summary information about scan jobs, including counts and metadata for a specific time period and criteria.

Contents

AccountId

The account ID that owns the scan jobs included in this summary.

Type: String

Pattern: `^[0-9]{12}$`

Required: No

Count

The number of scan jobs that match the specified criteria.

Type: Integer

Required: No

EndTime

The value of time in number format of a job end time.

This value is the time in Unix format, Coordinated Universal Time (UTC), and accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

MalwareScanner

Specifies the malware scanner used during the scan job. Currently only supports `GUARDDUTY`.

Type: String

Valid Values: `GUARDDUTY`

Required: No

Region

The AWS Region where the scan jobs were executed.

Type: String

Required: No

ResourceType

The type of AWS resource for the scan jobs included in this summary.

Type: String

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

ScanResultStatus

The scan result status for the scan jobs included in this summary.

Valid values: `THREATS_FOUND` | `NO_THREATS_FOUND`.

Type: String

Valid Values: `NO_THREATS_FOUND | THREATS_FOUND | UNKNOWN`

Required: No

StartTime

The value of time in number format of a job start time.

This value is the time in Unix format, Coordinated Universal Time (UTC), and accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087 AM.

Type: Timestamp

Required: No

State

The state of the scan jobs included in this summary.

Valid values: `CREATED` | `RUNNING` | `COMPLETED` | `COMPLETED_WITH_ISSUES` | `FAILED` | `CANCELED`.

Type: String

Valid Values: `CREATED | COMPLETED | COMPLETED_WITH_ISSUES | RUNNING | FAILED | CANCELED | AGGREGATE_ALL | ANY`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScanResult

Service: AWS Backup

Contains the results of a security scan, including scanner information, scan state, and any findings discovered.

Contents

Findings

An array of findings discovered during the scan.

Type: Array of strings

Valid Values: `MALWARE`

Required: No

LastScanTimestamp

The timestamp of when the last scan was performed, in Unix format and Coordinated Universal Time (UTC).

Type: Timestamp

Required: No

MalwareScanner

The malware scanner used to perform the scan. Currently only `GUARDDUTY` is supported.

Type: String

Valid Values: `GUARDDUTY`

Required: No

ScanJobState

The final state of the scan job.

Valid values: `COMPLETED` | `FAILED` | `CANCELED`.

Type: String

Valid Values: `COMPLETED | COMPLETED_WITH_ISSUES | FAILED | CANCELED`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScanResultInfo

Service: AWS Backup

Contains information about the results of a scan job.

Contents

ScanResultStatus

The status of the scan results.

Valid values: `THREATS_FOUND` | `NO_THREATS_FOUND` | `UNKNOWN`.

Type: String

Valid Values: `NO_THREATS_FOUND | THREATS_FOUND | UNKNOWN`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScanSetting

Service: AWS Backup

Contains configuration settings for malware scanning, including the scanner type, target resource types, and scanner role.

Contents

MalwareScanner

The malware scanner to use for scanning. Currently only `GUARDDUTY` is supported.

Type: String

Valid Values: `GUARDDUTY`

Required: No

ResourceTypes

An array of resource types to be scanned for malware.

Type: Array of strings

Pattern: `^[a-zA-Z0-9\-\_\.]{1,50}$`

Required: No

ScannerRoleArn

The Amazon Resource Name (ARN) of the IAM role that the scanner uses to access resources; for example, `arn:aws:iam::123456789012:role/ScannerRole`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScheduledPlanExecutionMember

Service: AWS Backup

Contains information about a scheduled backup plan execution, including the execution time, rule type, and associated rule identifier.

Contents

ExecutionTime

The timestamp when the backup is scheduled to run, in Unix format and Coordinated Universal Time (UTC). The value is accurate to milliseconds.

Type: Timestamp

Required: No

RuleExecutionType

The type of backup rule execution. Valid values are `CONTINUOUS` (point-in-time recovery), `SNAPSHOTS` (snapshot backups), or `CONTINUOUS_AND_SNAPSHOTS` (both types combined).

Type: String

Valid Values: `CONTINUOUS | SNAPSHOTS | CONTINUOUS_AND_SNAPSHOTS`

Required: No

RuleId

The unique identifier of the backup rule that will execute at the scheduled time.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

TieringConfiguration

Service: AWS Backup

This contains metadata about a tiering configuration.

Contents

BackupVaultName

The name of the backup vault where the tiering configuration applies. Use * to apply to all backup vaults.

Type: String

Pattern: `^(\*|[a-zA-Z0-9\-\_]{2,50})$`

Required: Yes

ResourceSelection

An array of resource selection objects that specify which resources are included in the tiering configuration and their tiering settings.

Type: Array of ResourceSelection objects

Required: Yes

TieringConfigurationName

The unique name of the tiering configuration. This cannot be changed after creation, and it must consist of only alphanumeric characters and underscores.

Type: String

Pattern: `^[a-zA-Z0-9_]{1,200}$`

Required: Yes

CreationTime

The date and time a tiering configuration was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087AM.

Type: Timestamp

Required: No

CreatorRequestId

This is a unique string that identifies the request and allows failed requests to be retried without the risk of running the operation twice.

Type: String

Required: No

LastUpdatedTime

The date and time a tiering configuration was updated, in Unix format and Coordinated Universal Time (UTC). The value of `LastUpdatedTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087AM.

Type: Timestamp

Required: No

TieringConfigurationArn

An Amazon Resource Name (ARN) that uniquely identifies the tiering configuration.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TieringConfigurationInputForCreate

Service: AWS Backup

This contains metadata about a tiering configuration for create operations.

Contents

BackupVaultName

The name of the backup vault where the tiering configuration applies. Use * to apply to all backup vaults.

Type: String

Pattern: `^(\*|[a-zA-Z0-9\-\_]{2,50})$`

Required: Yes

ResourceSelection

An array of resource selection objects that specify which resources are included in the tiering configuration and their tiering settings.

Type: Array of ResourceSelection objects

Required: Yes

TieringConfigurationName

The unique name of the tiering configuration. This cannot be changed after creation, and it must consist of only alphanumeric characters and underscores.

Type: String

Pattern: `^[a-zA-Z0-9_]{1,200}$`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TieringConfigurationInputForUpdate

Service: AWS Backup

This contains metadata about a tiering configuration for update operations.

Contents

BackupVaultName

The name of the backup vault where the tiering configuration applies. Use * to apply to all backup vaults.

Type: String

Pattern: `^(\*|[a-zA-Z0-9\-\_]{2,50})$`

Required: Yes

ResourceSelection

An array of resource selection objects that specify which resources are included in the tiering configuration and their tiering settings.

Type: Array of ResourceSelection objects

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TieringConfigurationsListMember

Service: AWS Backup

This contains metadata about a tiering configuration returned in a list.

Contents

BackupVaultName

The name of the backup vault where the tiering configuration applies. Use * to apply to all backup vaults.

Type: String

Pattern: `^(\*|[a-zA-Z0-9\-\_]{2,50})$`

Required: No

CreationTime

The date and time a tiering configuration was created, in Unix format and Coordinated Universal Time (UTC). The value of `CreationTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087AM.

Type: Timestamp

Required: No

LastUpdatedTime

The date and time a tiering configuration was updated, in Unix format and Coordinated Universal Time (UTC). The value of `LastUpdatedTime` is accurate to milliseconds. For example, the value 1516925490.087 represents Friday, January 26, 2018 12:11:30.087AM.

Type: Timestamp

Required: No

TieringConfigurationArn

An Amazon Resource Name (ARN) that uniquely identifies the tiering configuration.

Type: String

Required: No

TieringConfigurationName

The unique name of the tiering configuration.

Type: String

Pattern: `^[a-zA-Z0-9_]{1,200}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AWS Backup gateway

The following data types are supported by AWS Backup gateway:

- BandwidthRateLimitInterval
- Gateway
- GatewayDetails
- Hypervisor
- HypervisorDetails
- MaintenanceStartTime
- Tag
- VirtualMachine
- VirtualMachineDetails
- VmwareTag
- VmwareToAwsTagMapping

BandwidthRateLimitInterval

Service: AWS Backup gateway

Describes a bandwidth rate limit interval for a gateway. A bandwidth rate limit schedule consists of one or more bandwidth rate limit intervals. A bandwidth rate limit interval defines a period of time on one or more days of the week, during which bandwidth rate limits are specified for uploading.

Contents

DaysOfWeek

The days of the week component of the bandwidth rate limit interval, represented as ordinal numbers from 0 to 6, where 0 represents Sunday and 6 represents Saturday.

Type: Array of integers

Array Members: Minimum number of 1 item. Maximum number of 7 items.

Valid Range: Minimum value of 0. Maximum value of 6.

Required: Yes

EndHourOfDay

The hour of the day to end the bandwidth rate limit interval.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 23.

Required: Yes

EndMinuteOfHour

The minute of the hour to end the bandwidth rate limit interval.

> **Important**
>
> The bandwidth rate limit interval ends at the end of the minute. To end an interval at the end of an hour, use the value 59.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 59.

Required: Yes

StartHourOfDay

The hour of the day to start the bandwidth rate limit interval.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 23.

Required: Yes

StartMinuteOfHour

The minute of the hour to start the bandwidth rate limit interval. The interval begins at the start of that minute. To begin an interval exactly at the start of the hour, use the value `0`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 59.

Required: Yes

AverageUploadRateLimitInBitsPerSec

The average upload rate limit component of the bandwidth rate limit interval, in bits per second. This field does not appear in the response if the upload rate limit is not set.

Type: Long

Valid Range: Minimum value of 51200. Maximum value of 8000000000000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

Gateway

Service: AWS Backup gateway

A gateway is an AWS Backup Gateway appliance that runs on the customer's network to provide seamless connectivity to backup storage in the AWS Cloud.

Contents

GatewayArn

The Amazon Resource Name (ARN) of the gateway. Use the `ListGateways` operation to return a list of gateways for your account and AWS Region.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: No

GatewayDisplayName

The display name of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: No

GatewayType

The type of the gateway.

Type: String

Valid Values: `BACKUP_VM`

Required: No

HypervisorId

The hypervisor ID of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

LastSeenTime

The last time AWS Backup gateway communicated with the gateway, in Unix format and UTC time.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GatewayDetails

Service: AWS Backup gateway

The details of gateway.

Contents

DeprecationDate

Date after which this gateway will not receive software updates for new features and bug fixes.

Type: Timestamp

Required: No

GatewayArn

The Amazon Resource Name (ARN) of the gateway. Use the `ListGateways` operation to return a list of gateways for your account and AWS Region.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 180.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: No

GatewayDisplayName

The display name of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: No

GatewayType

The type of the gateway type.

Type: String

Valid Values: BACKUP_VM

Required: No

HypervisorId

The hypervisor ID of the gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

LastSeenTime

Details showing the last time AWS Backup gateway communicated with the cloud, in Unix format and UTC time.

Type: Timestamp

Required: No

MaintenanceStartTime

Returns your gateway's weekly maintenance start time including the day and time of the week. Note that values are in terms of the gateway's time zone. Can be weekly or monthly.

Type: MaintenanceStartTime object

Required: No

NextUpdateAvailabilityTime

Details showing the next update availability time of the gateway.

Type: Timestamp

Required: No

SoftwareVersion

The version number of the software running on the gateway appliance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: No

VpcEndpoint

The DNS name for the virtual private cloud (VPC) endpoint the gateway uses to connect to the cloud for backup gateway.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Hypervisor

Service: AWS Backup gateway

Represents the hypervisor's permissions to which the gateway will connect.

A hypervisor is hardware, software, or firmware that creates and manages virtual machines, and allocates resources to them.

Contents

Host

The server host of the hypervisor. This can be either an IP address or a fully-qualified domain name (FQDN).

Type: String

Length Constraints: Minimum length of 3. Maximum length of 128.

Pattern: `.+`

Required: No

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: No

KmsKeyArn

The Amazon Resource Name (ARN) of the AWS Key Management Service used to encrypt the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `(^arn:(aws|aws-cn|aws-us-gov):kms:([a-zA-Z0-9-]+):([0-9]+):(key|alias)/(\S+)$)|(^alias/(\S+)$)`

Required: No

Name

The name of the hypervisor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: No

State

The state of the hypervisor.

Type: String

Valid Values: `PENDING | ONLINE | OFFLINE | ERROR`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HypervisorDetails

Service: AWS Backup gateway

These are the details of the specified hypervisor. A hypervisor is hardware, software, or firmware that creates and manages virtual machines, and allocates resources to them.

Contents

Host

The server host of the hypervisor. This can be either an IP address or a fully-qualified domain name (FQDN).

Type: String

Length Constraints: Minimum length of 3. Maximum length of 128.

Pattern: `.+`

Required: No

HypervisorArn

The Amazon Resource Name (ARN) of the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: No

KmsKeyArn

The Amazon Resource Name (ARN) of the AWS KMS used to encrypt the hypervisor.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `(^arn:(aws|aws-cn|aws-us-gov):kms:([a-zA-Z0-9-]+):([0-9]+):(key|alias)/(\S+)$)|(^alias/(\S+)$)`

Required: No

LastSuccessfulMetadataSyncTime

This is the time when the most recent successful sync of metadata occurred.

Type: Timestamp

Required: No

LatestMetadataSyncStatus

This is the most recent status for the indicated metadata sync.

Type: String

Valid Values: `CREATED | RUNNING | FAILED | PARTIALLY_FAILED | SUCCEEDED`

Required: No

LatestMetadataSyncStatusMessage

This is the most recent status for the indicated metadata sync.

Type: String

Required: No

LogGroupArn

The Amazon Resource Name (ARN) of the group of gateways within the requested log.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `$|^arn:(aws|aws-cn|aws-us-gov):logs:([a-zA-Z0-9-]+):([0-9]+):log-group:[a-zA-Z0-9_\-\/\.]+:\*`

Required: No

Name

This is the name of the specified hypervisor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: No

State

This is the current state of the specified hypervisor.

The possible states are `PENDING`, `ONLINE`, `OFFLINE`, or `ERROR`.

Type: String

Valid Values: `PENDING | ONLINE | OFFLINE | ERROR`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MaintenanceStartTime

Service: AWS Backup gateway

This is your gateway's weekly maintenance start time including the day and time of the week. Note that values are in terms of the gateway's time zone. Can be weekly or monthly.

Contents

HourOfDay

The hour component of the maintenance start time represented as *hh*, where *hh* is the hour (0 to 23). The hour of the day is in the time zone of the gateway.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 23.

Required: Yes

MinuteOfHour

The minute component of the maintenance start time represented as *mm*, where *mm* is the minute (0 to 59). The minute of the hour is in the time zone of the gateway.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 59.

Required: Yes

DayOfMonth

The day of the month component of the maintenance start time represented as an ordinal number from 1 to 28, where 1 represents the first day of the month and 28 represents the last day of the month.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 31.

Required: No

DayOfWeek

An ordinal number between 0 and 6 that represents the day of the week, where 0 represents Sunday and 6 represents Saturday. The day of week is in the time zone of the gateway.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 6.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Tag

Service: AWS Backup gateway

A key-value pair you can use to manage, filter, and search for your resources. Allowed characters include UTF-8 letters, numbers, and the following characters: + - = . _ : /. Spaces are not allowed in tag values.

Contents

Key

The key part of a tag's key-value pair. The key can't start with `aws:`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `([\p{L}\p{Z}\p{N}_.:/=+\-@]*)`

Required: Yes

Value

The value part of a tag's key-value pair.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[^\x00]*`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VirtualMachine

Service: AWS Backup gateway

A virtual machine that is on a hypervisor.

Contents

HostName

The host name of the virtual machine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: No

HypervisorId

The ID of the virtual machine's hypervisor.

Type: String

Required: No

LastBackupDate

The most recent date a virtual machine was backed up, in Unix format and UTC time.

Type: Timestamp

Required: No

Name

The name of the virtual machine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: No

Path

The path of the virtual machine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `[^\x00]+`

Required: No

ResourceArn

The Amazon Resource Name (ARN) of the virtual machine. For example, `arn:aws:backup-gateway:us-west-1:0000000000000:vm/vm-0000ABCDEFGIJKL`.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VirtualMachineDetails

Service: AWS Backup gateway

Your `VirtualMachine` objects, ordered by their Amazon Resource Names (ARNs).

Contents

HostName

The host name of the virtual machine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: No

HypervisorId

The ID of the virtual machine's hypervisor.

Type: String

Required: No

LastBackupDate

The most recent date a virtual machine was backed up, in Unix format and UTC time.

Type: Timestamp

Required: No

Name

The name of the virtual machine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z0-9-]*`

Required: No

Path

The path of the virtual machine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `[^\x00]+`

Required: No

ResourceArn

The Amazon Resource Name (ARN) of the virtual machine. For example, `arn:aws:backup-gateway:us-west-1:0000000000000:vm/vm-0000ABCDEFGIJKL`.

Type: String

Length Constraints: Minimum length of 50. Maximum length of 500.

Pattern: `arn:(aws|aws-cn|aws-us-gov):backup-gateway(:[a-zA-Z-0-9]+){3}\/[a-zA-Z-0-9]+`

Required: No

VmwareTags

These are the details of the VMware tags associated with the specified virtual machine.

Type: Array of VmwareTag objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

VmwareTag

Service: AWS Backup gateway

A VMware tag is a tag attached to a specific virtual machine. A tag is a key-value pair you can use to manage, filter, and search for your resources.

The content of VMware tags can be matched to AWS tags.

Contents

VmwareCategory

The is the category of VMware.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 80.

Required: No

VmwareTagDescription

This is a user-defined description of a VMware tag.

Type: String

Required: No

VmwareTagName

This is the user-defined name of a VMware tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 80.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

VmwareToAwsTagMapping

Service: AWS Backup gateway

This displays the mapping of VMware tags to the corresponding AWS tags.

Contents

AwsTagKey

The key part of the AWS tag's key-value pair.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `([\p{L}\p{Z}\p{N}_.:/=+\-@]*)`

Required: Yes

AwsTagValue

The value part of the AWS tag's key-value pair.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[^\x00]*`

Required: Yes

VmwareCategory

The is the category of VMware.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 80.

Required: Yes

VmwareTagName

This is the user-defined name of a VMware tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 80.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AWS Backup search

The following data types are supported by AWS Backup search:

- BackupCreationTimeFilter
- CurrentSearchProgress
- EBSItemFilter
- EBSResultItem
- ExportJobSummary
- ExportSpecification
- ItemFilters
- LongCondition
- ResultItem
- S3ExportSpecification
- S3ItemFilter
- S3ResultItem
- SearchJobBackupsResult
- SearchJobSummary
- SearchScope

- SearchScopeSummary
- StringCondition
- TimeCondition

BackupCreationTimeFilter

Service: AWS Backup search

This filters by recovery points within the CreatedAfter and CreatedBefore timestamps.

Contents

CreatedAfter

This timestamp includes recovery points only created after the specified time.

Type: Timestamp

Required: No

CreatedBefore

This timestamp includes recovery points only created before the specified time.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CurrentSearchProgress

Service: AWS Backup search

This contains information results retrieved from a search job that may not have completed.

Contents

ItemsMatchedCount

This number is the sum of all items that match the item filters in a search job in progress.

Type: Long

Required: No

ItemsScannedCount

This number is the sum of all items that have been scanned so far during a search job.

Type: Long

Required: No

RecoveryPointsScannedCount

This number is the sum of all backups that have been scanned so far during a search job.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EBSItemFilter

Service: AWS Backup search

This contains arrays of objects, which may include CreationTimes time condition objects, FilePaths string objects, LastModificationTimes time condition objects,

Contents

CreationTimes

You can include 1 to 10 values.

If one is included, the results will return only items that match.

If more than one is included, the results will return all items that match any of the included values.

Type: Array of TimeCondition objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

FilePaths

You can include 1 to 10 values.

If one file path is included, the results will return only items that match the file path.

If more than one file path is included, the results will return all items that match any of the file paths.

Type: Array of StringCondition objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

LastModificationTimes

You can include 1 to 10 values.

If one is included, the results will return only items that match.

If more than one is included, the results will return all items that match any of the included values.

Type: Array of TimeCondition objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

Sizes

You can include 1 to 10 values.

If one is included, the results will return only items that match.

If more than one is included, the results will return all items that match any of the included values.

Type: Array of LongCondition objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EBSResultItem

Service: AWS Backup search

These are the items returned in the results of a search of Amazon EBS backup metadata.

Contents

BackupResourceArn

These are one or more items in the results that match values for the Amazon Resource Name (ARN) of recovery points returned in a search of Amazon EBS backup metadata.

Type: String

Required: No

BackupVaultName

The name of the backup vault.

Type: String

Required: No

CreationTime

These are one or more items in the results that match values for creation times returned in a search of Amazon EBS backup metadata.

Type: Timestamp

Required: No

FilePath

These are one or more items in the results that match values for file paths returned in a search of Amazon EBS backup metadata.

Type: String

Required: No

FileSize

These are one or more items in the results that match values for file sizes returned in a search of Amazon EBS backup metadata.

Type: Long

Required: No

FileSystemIdentifier

These are one or more items in the results that match values for file systems returned in a search of Amazon EBS backup metadata.

Type: String

Required: No

LastModifiedTime

These are one or more items in the results that match values for Last Modified Time returned in a search of Amazon EBS backup metadata.

Type: Timestamp

Required: No

SourceResourceArn

These are one or more items in the results that match values for the Amazon Resource Name (ARN) of source resources returned in a search of Amazon EBS backup metadata.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExportJobSummary

Service: AWS Backup search

This is the summary of an export job.

Contents

ExportJobIdentifier

This is the unique string that identifies a specific export job.

Type: String

Required: Yes

CompletionTime

This is a timestamp of the time the export job compeleted.

Type: Timestamp

Required: No

CreationTime

This is a timestamp of the time the export job was created.

Type: Timestamp

Required: No

ExportJobArn

This is the unique ARN (Amazon Resource Name) that belongs to the new export job.

Type: String

Required: No

SearchJobArn

The unique string that identifies the Amazon Resource Name (ARN) of the specified search job.

Type: String

Required: No

Status

The status of the export job is one of the following:

`CREATED`; `RUNNING`; `FAILED`; or `COMPLETED`.

Type: String

Valid Values: `RUNNING | FAILED | COMPLETED`

Required: No

StatusMessage

A status message is a string that is returned for an export job.

A status message is included for any status other than `COMPLETED` without issues.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExportSpecification

Service: AWS Backup search

This contains the export specification object.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

s3ExportSpecification

This specifies the destination Amazon S3 bucket for the export job. And, if included, it also specifies the destination prefix.

Type: S3ExportSpecification object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ItemFilters

Service: AWS Backup search

Item Filters represent all input item properties specified when the search was created.

Contains either EBSItemFilters or S3ItemFilters

Contents

EBSItemFilters

This array can contain CreationTimes, FilePaths, LastModificationTimes, or Sizes objects.

Type: Array of EBSItemFilter objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

S3ItemFilters

This array can contain CreationTimes, ETags, ObjectKeys, Sizes, or VersionIds objects.

Type: Array of S3ItemFilter objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LongCondition

Service: AWS Backup search

The long condition contains a `Value` and can optionally contain an `Operator`.

Contents

Value

The value of an item included in one of the search item filters.

Type: Long

Required: Yes

Operator

A string that defines what values will be returned.

If this is included, avoid combinations of operators that will return all possible values. For example, including both `EQUALS_TO` and `NOT_EQUALS_TO` with a value of `4` will return all values.

Type: String

Valid Values: `EQUALS_TO | NOT_EQUALS_TO | LESS_THAN_EQUAL_TO | GREATER_THAN_EQUAL_TO`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResultItem

Service: AWS Backup search

This is an object representing the item returned in the results of a search for a specific resource type.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

EBSResultItem

These are items returned in the search results of an Amazon EBS search.

Type: EBSResultItem object

Required: No

S3ResultItem

These are items returned in the search results of an Amazon S3 search.

Type: S3ResultItem object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3ExportSpecification

Service: AWS Backup search

This specification contains a required string of the destination bucket; optionally, you can include the destination prefix.

Contents

DestinationBucket

This specifies the destination Amazon S3 bucket for the export job.

Type: String

Required: Yes

DestinationPrefix

This specifies the prefix for the destination Amazon S3 bucket for the export job.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3ItemFilter

Service: AWS Backup search

This contains arrays of objects, which may include ObjectKeys, Sizes, CreationTimes, VersionIds, and/or Etags.

Contents

CreationTimes

You can include 1 to 10 values.

If one value is included, the results will return only items that match the value.

If more than one value is included, the results will return all items that match any of the values.

Type: Array of TimeCondition objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

ETags

You can include 1 to 10 values.

If one value is included, the results will return only items that match the value.

If more than one value is included, the results will return all items that match any of the values.

Type: Array of StringCondition objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

ObjectKeys

You can include 1 to 10 values.

If one value is included, the results will return only items that match the value.

If more than one value is included, the results will return all items that match any of the values.

Type: Array of StringCondition objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

Sizes

You can include 1 to 10 values.

If one value is included, the results will return only items that match the value.

If more than one value is included, the results will return all items that match any of the values.

Type: Array of LongCondition objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

VersionIds

You can include 1 to 10 values.

If one value is included, the results will return only items that match the value.

If more than one value is included, the results will return all items that match any of the values.

Type: Array of StringCondition objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3ResultItem

Service: AWS Backup search

These are the items returned in the results of a search of Amazon S3 backup metadata.

Contents

BackupResourceArn

These are items in the returned results that match recovery point Amazon Resource Names (ARN) input during a search of Amazon S3 backup metadata.

Type: String

Required: No

BackupVaultName

The name of the backup vault.

Type: String

Required: No

CreationTime

These are one or more items in the returned results that match values for item creation time input during a search of Amazon S3 backup metadata.

Type: Timestamp

Required: No

ETag

These are one or more items in the returned results that match values for ETags input during a search of Amazon S3 backup metadata.

Type: String

Required: No

ObjectKey

This is one or more items returned in the results of a search of Amazon S3 backup metadata that match the values input for object key.

Type: String

Required: No

ObjectSize

These are items in the returned results that match values for object size(s) input during a search of Amazon S3 backup metadata.

Type: Long

Required: No

SourceResourceArn

These are items in the returned results that match source Amazon Resource Names (ARN) input during a search of Amazon S3 backup metadata.

Type: String

Required: No

VersionId

These are one or more items in the returned results that match values for version IDs input during a search of Amazon S3 backup metadata.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SearchJobBackupsResult

Service: AWS Backup search

This contains the information about recovery points returned in results of a search job.

Contents

BackupCreationTime

This is the creation time of the backup (recovery point).

Type: Timestamp

Required: No

BackupResourceArn

The Amazon Resource Name (ARN) that uniquely identifies the backup resources.

Type: String

Required: No

IndexCreationTime

This is the creation time of the backup index.

Type: Timestamp

Required: No

ResourceType

This is the resource type of the search.

Type: String

Valid Values: S3 | EBS

Required: No

SourceResourceArn

The Amazon Resource Name (ARN) that uniquely identifies the source resources.

Type: String

Required: No

Status

This is the status of the search job backup result.

Type: String

Valid Values: `RUNNING | COMPLETED | STOPPING | STOPPED | FAILED`

Required: No

StatusMessage

This is the status message included with the results.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SearchJobSummary

Service: AWS Backup search

This is information pertaining to a search job.

Contents

CompletionTime

This is the completion time of the search job.

Type: Timestamp

Required: No

CreationTime

This is the creation time of the search job.

Type: Timestamp

Required: No

Name

This is the name of the search job.

Type: String

Required: No

SearchJobArn

The unique string that identifies the Amazon Resource Name (ARN) of the specified search job.

Type: String

Required: No

SearchJobIdentifier

The unique string that specifies the search job.

Type: String

Required: No

SearchScopeSummary

Returned summary of the specified search job scope, including:

- TotalBackupsToScanCount, the number of recovery points returned by the search.
- TotalItemsToScanCount, the number of items returned by the search.

Type: SearchScopeSummary object

Required: No

Status

This is the status of the search job.

Type: String

Valid Values: `RUNNING | COMPLETED | STOPPING | STOPPED | FAILED`

Required: No

StatusMessage

A status message will be returned for either a earch job with a status of `ERRORED` or a status of `COMPLETED` jobs with issues.

For example, a message may say that a search contained recovery points unable to be scanned because of a permissions issue.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SearchScope

Service: AWS Backup search

The search scope is all backup properties input into a search.

Contents

BackupResourceTypes

The resource types included in a search.

Eligible resource types include S3 and EBS.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: S3 | EBS

Required: Yes

BackupResourceArns

The Amazon Resource Name (ARN) that uniquely identifies the backup resources.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

BackupResourceCreationTime

This is the time a backup resource was created.

Type: BackupCreationTimeFilter object

Required: No

BackupResourceTags

These are one or more tags on the backup (recovery point).

Type: String to string map

Required: No

SourceResourceArns

The Amazon Resource Name (ARN) that uniquely identifies the source resources.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SearchScopeSummary

Service: AWS Backup search

The summary of the specified search job scope, including:

- TotalBackupsToScanCount, the number of recovery points returned by the search.
- TotalItemsToScanCount, the number of items returned by the search.

Contents

TotalItemsToScanCount

This is the count of the total number of items that will be scanned in a search.

Type: Long

Required: No

TotalRecoveryPointsToScanCount

This is the count of the total number of backups that will be scanned in a search.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StringCondition

Service: AWS Backup search

This contains the value of the string and can contain one or more operators.

Contents

Value

The value of the string.

Type: String

Required: Yes

Operator

A string that defines what values will be returned.

If this is included, avoid combinations of operators that will return all possible values. For example, including both `EQUALS_TO` and `NOT_EQUALS_TO` with a value of `4` will return all values.

Type: String

Valid Values: `EQUALS_TO | NOT_EQUALS_TO | CONTAINS | DOES_NOT_CONTAIN | BEGINS_WITH | ENDS_WITH | DOES_NOT_BEGIN_WITH | DOES_NOT_END_WITH`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TimeCondition

Service: AWS Backup search

A time condition denotes a creation time, last modification time, or other time.

Contents

Value

This is the timestamp value of the time condition.

Type: Timestamp

Required: Yes

Operator

A string that defines what values will be returned.

If this is included, avoid combinations of operators that will return all possible values. For example, including both `EQUALS_TO` and `NOT_EQUALS_TO` with a value of 4 will return all values.

Type: String

Valid Values: `EQUALS_TO | NOT_EQUALS_TO | LESS_THAN_EQUAL_TO | GREATER_THAN_EQUAL_TO`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing AWS API requests in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400