



User Guide

AWS European Sovereign Cloud User Guide



AWS European Sovereign Cloud User Guide: User Guide

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Services or capabilities described in AWS documentation might vary by Region. To see the differences applicable to the AWS European Sovereign Cloud Region, see the [AWS European Sovereign Cloud User Guide](#).

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What is AWS European Sovereign Cloud?

The AWS European Sovereign Cloud is a independent cloud for Europe, designed to help public sector organizations and customers in highly regulated industries meet their evolving sovereignty needs. The AWS European Sovereign Cloud is separate and independent from other AWS Regions, with infrastructure located wholly within the European Union (EU). Customers and partners using the AWS European Sovereign Cloud benefit from the full power of AWS including the same service portfolio, security, availability, performance, familiar architecture, APIs, and innovations such as the AWS Nitro System. The AWS European Sovereign Cloud combines operational autonomy with expansive AWS services to meet the stringent sovereignty needs of European governments and enterprises.

Building on deep experience running AWS services for the most sensitive workloads around the world, the AWS European Sovereign Cloud is designed with the unmatched operational resilience our customers expect from AWS. The design of the AWS European Sovereign Cloud enables it to continue operations indefinitely, even in the event of a connectivity interruption between the AWS European Sovereign Cloud and the rest of the world. European customers and governments benefit from the resilient AWS architecture that features multiple Availability Zones with independent power, networking, facilities, and security capabilities that make these critical operations possible. AWS is committed to independent and continuous operations; the AWS European Sovereign Cloud has no critical dependencies on non-EU infrastructure. Everything needed to operate the AWS European Sovereign Cloud is in the EU: the talent, the technology, the infrastructure, and the leadership. In addition to independent infrastructure, there will be zero operational control outside of EU borders; only AWS employees, residing in the EU, will control day-to-day operations, including access to data centers, technical support, and customer service for the AWS European Sovereign Cloud. It also features enhanced controls allowing customers to keep all customer data and the metadata they create (such as the roles, permissions, resource labels, and configurations they use to run AWS) in the EU.

Getting Started with AWS European Sovereign Cloud

The following topics describe how to sign up and get set up with AWS European Sovereign Cloud.

Signing up for an AWS account

Prerequisites for creating a new AWS account

Only [Sign up for AWS \(advanced\)](#) is supported.

To sign up for an AWS account, you'll need to provide the following information:

- **Root user email address** — The email address is used as the sign-in name for the root user and is required for account recovery. You must be able to receive email messages that are sent to this address. Before you can perform certain tasks, you must verify that you have access to email sent to this address.
- **AWS account name** — The name of the account appears in several places, such as on your invoice, and in consoles such as the Billing and Cost Management dashboard and the AWS Organizations console. We recommend that you use a standard way to name your accounts so that you can give your accounts names that are easy to recognize. For company accounts, consider using a naming standard such as organization-purpose-environment (for example, AnyCompany-audit-prod). For personal accounts, consider using a naming standard such as first name-last name-purpose (for example, paulo-santos-testaccount).
- **Address** — Your full name and address.
- **Phone number** — This number is used for identity verification purposes and to confirm the ownership of your account. You must be able to receive calls and SMS messages at this phone number.

Create your Account

1. Open the [Sign up](#) for AWS page.
2. Enter the root user email address and AWS account name, and then choose **Verify email address**. This will send a verification code to your specified email address.

Sign up for AWS

Root user email address

Used for account recovery and as described in the [AWS Privacy Notice](#) 

AWS account name

Choose a name for your account. You can change this name in your account settings after you sign up.

Verify email address

OR

Sign in to an existing AWS account

This site uses essential cookies. See our [Cookie Notice](#)  for more information.

Important

If this account is for a business, use a secure corporate distribution list (for example, it.admins@example.com) so that your company can retain access to the AWS account even when an employee changes positions or leaves the company. Because the email address can be used to reset the account's root user credentials, protect access to this distribution list or address.

3. Enter your verification code, and then choose **Verify**.

Sign up for AWS

Confirm you are you

Making sure you are secure -- it's what we do.

We sent an email with a verification code to **aws-signup+testEU@amazon.com**. ([not you?](#))

Enter it below to confirm your email.

Verification code

Verify

Resend Code 37

Didn't get the code?

- Codes can take up to 5 minutes to arrive.
- Check your spam folder.

This site uses essential cookies. See our [Cookie Notice](#)  for more information.



4. Enter a strong password for your root user, confirm it, and then choose **Continue**. AWS requires that your password meet the following conditions:
 - It must have a minimum of 8 characters and a maximum of 128 characters.
 - It must include a minimum of three of the following mix of character types: uppercase, lowercase, numbers, and ! @ # \$ % ^ & * () < > [] { } | _ + - = symbols.
 - It must not be identical to your AWS account name or email address.
5. Choose **Business** or **Personal**. Personal accounts and business accounts have the same features and functions. Enter your company or personal information.

Sign up for AWS

Contact Information

How do you plan to use AWS?

- ☐ Business - for your work, school, or organization
- ☐ Personal - for your own projects

Who should we contact about this account?

Full Name

Country Code

 +49 ▼

Phone Number

222-333-4444

Country or Region

Germany ▼

Address line 1

Address line 2

Apartment, suite, unit, building, floor, etc.

City

State, Province, or Region

Postal Code

☐ I have read and agree to the terms of the [AWS Customer Agreement](#).

Agree and Continue (step 2 of 5)

Important

For business AWS accounts, it's a best practice to enter a company phone number rather than a number for a personal phone. Configuring the account's root user with an

individual email address or a personal phone number can make your account insecure. Read and accept the AWS Customer Agreement. Be sure that you read and understand the terms of the AWS Customer Agreement.

6. Choose **Agree and Continue**. At this point, you'll receive an email message to confirm that your AWS account is ready to use. You can sign in to your new account by using the email address and password you provided during sign up. However, you can't use any AWS services until you finish activating your account.
7. Enter the information about your payment method, and then choose **Verify and Continue**. If you want to use a different billing address for your AWS billing information, choose Use a new address. You can't proceed with the sign-up process until you add a valid payment method.

Sign up for AWS

Billing Information

i We may temporarily hold up to €1 EUR (or an equivalent amount in local currency) as a pending transaction for 3-5 days to verify your identity.

Billing country
Your billing country determines the payment methods available to you to pay for AWS services.

Germany ▼

Payment method type

☒ **Credit or debit card**
AWS accepts all major credit and debit cards.

☐ **Bank account**
Use your SEPA-supported bank account in Euro currency.

Card information



Card number

Expiration date **Security code** **i**

CVV/CVC

Use MM/YY format.

Name on card

Enter the name as it appears on the card

Billing address

☒ **Use contact address**
[Redacted]
Alpharetta, GA, 30005
DE

☐ **Use a new address**

Verify and continue (step 3 of 5)

8. Enter your country or region code from the list, and then enter a phone number where you can be reached in the next few minutes.



Sign up for AWS

Confirm your identity

Before you can use your AWS account, you must verify your phone number. When you continue, the AWS automated system will contact you with a verification code.

How should we send you the verification code?

☒ Text message (SMS)

☐ Voice call

Country or region code

Germany (+49)

Mobile phone number

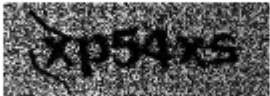
Send SMS (step 4 of 5)

9. Enter the code displayed in the CAPTCHA, and then submit.

Confirm your identity

Before you can use your AWS account, you must verify your phone number.

Security Verification





Type the characters as shown above

Verification answer

Reset

Submit

10 When the automated system contacts you, enter the PIN you receive and then submit.



Sign up for AWS

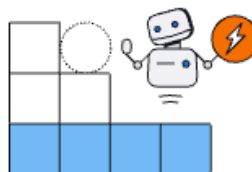
Confirm your identity

Verify code

Verify and continue (step 4 of 5)

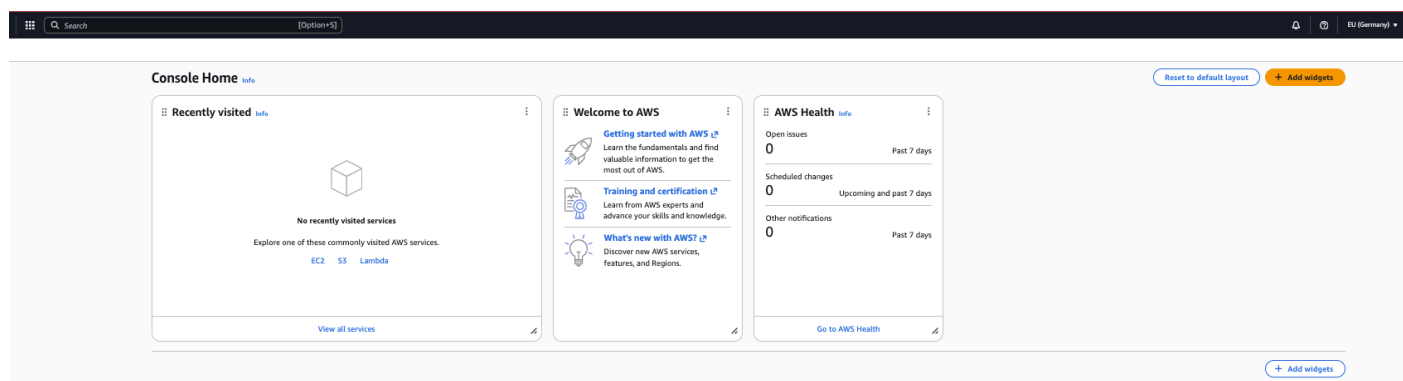
Having trouble? Sometimes it takes up to 10 minutes to receive a verification code. If it's been longer than that, [return to the previous page](#) and try again.

11 After verification, setting up your AWS account page is shown indicating that your account is being activated and you will be redirected to console.



Setting up your AWS account

Hang tight! This process takes around 10 seconds to complete.



12 Check your email and spam folder for an email message that confirms your account was activated. Activation usually takes a few minutes but can sometimes take up to 24 hours.

13 After you receive the activation message, you can sign-in to the [AWS Management Console](#) to start using AWS services.

Endpoints

The endpoints reference for AWS services has moved to [Endpoints in AWS European Sovereign Cloud](#) in the AWS General Reference.

If you access services in AWS European Sovereign Cloud by using the command line interface (CLI) or programmatically by using the APIs, you need to know the endpoints.

Amazon Resource Names (ARNs)

In AWS European Sovereign Cloud, the Amazon Resource Name (ARN) syntax is:

```
arn:aws-eusc
```

For more information, see [Identify AWS resources with Amazon Resource Names \(ARNs\)](#) in the AWS Identity and Access Management User Guide.

AWS CLI, SDKs, and Tools for AWS European Sovereign Cloud

AWS provides several command line tools to help you build and manage your applications. This topic describes how the implementation of the AWS command line tools are different for the AWS European Sovereign Cloud Region.

The [AWS SDKs and Tools Reference Guide](#) contains information on the configuration, settings, authentication, and other foundational concepts common amongst AWS SDKs and Tools.

AWS CLI

The AWS Command Line Interface (AWS CLI) is a cross-service command line tool to manage your AWS services. The AWS CLI is supported on Windows, Linux, OS X, or Unix.

Product differences

The `aws login` command, which authenticates using console credentials, is not supported in the AWS European Sovereign Cloud. For information about supported authentication methods, see [Authentication and access credentials for the AWS CLI](#).

Note

If you're using [Amazon Linux 2 AMI](#) the AWS CLI is already installed and configured.

For more information, see the Readme file included with the [AWS CLI installer](#).

AWS Tools for PowerShell

The [AWS Tools for PowerShell](#) enable you to manage your AWS resources with PowerShell tools similar to those you use to manage your operating system environment.

Product differences

Console credential authentication is not available for AWS Tools for PowerShell in the AWS European Sovereign Cloud. For information about supported authentication methods, see [Authenticating the AWS Tools for PowerShell with AWS](#).

Note

If you are using a Windows AMI dated October 2015 (2015.10.*) or later, the AWS Tools for PowerShell are already installed and configured.

To use the AWS Tools for PowerShell in the AWS European Sovereign Cloud Region, you must set tool credentials. To specify a default region, you can add `Set-DefaultAWSRegion` to your profile or specify the `-Region` parameter for all cmdlets. Use the appropriate Region ID and endpoint for your resources. For more information, see [Endpoints in AWS European Sovereign Cloud Region](#).

If you are signing requests and creating objects manually (instead of using the PowerShell cmdlets), you must set the `AuthenticationRegion` property of the [ClientConfig](#) class in the AWS European Sovereign Cloud Region.

For additional information, see the [AWS Tools for PowerShell](#) on the Developer Center.

AWS SDKs

The AWS SDKs provide language-specific APIs for AWS services.

Product differences

Console credential authentication is not available for AWS SDKs in the AWS European Sovereign Cloud. For information about supported authentication methods, see [Authentication and access using AWS SDKs and tools](#).

Services in AWS European Sovereign Cloud

This section describes the services available in AWS European Sovereign Cloud. Each topic describes any significant differences between the AWS European Sovereign Cloud implementation and the non-sovereign implementation of the service.

AWS Account Management in AWS European Sovereign Cloud

This topic describes the functionality of AWS Account Management in the AWS European Sovereign Cloud Region.

An AWS account is the basic container for all the AWS resources you create as an AWS customer. For example, an Amazon Simple Storage Service (Amazon S3) bucket, an Amazon Relational Database Service (Amazon RDS) database, and an Amazon Elastic Compute Cloud (Amazon EC2) instance are all resources. Every resource is uniquely identified by an Amazon Resource Name (ARN) that includes the account ID of the account that contains, or owns, the resource. An AWS account is also the basic security boundary for your AWS resources. Resources that you create in your account are available to users who have credentials for your account.

How AWS Account Management differs

The following differences apply to Account Management:

- The process to sign up for a new AWS account is different than in commercial regions. For more information, see [Getting an account](#).
- The following AWS Account Management APIs are available in the AWS European Sovereign Cloud:
 - `AcceptPrimaryEmailUpdate`
 - `DeleteAlternateContact`
 - `GetAccountInformation`
 - `GetAlternateContact`
 - `GetContactInformation`
 - `GetPrimaryEmail`
 - `PutAccountName`
 - `PutAlternateContact`

- PutContactInformation
- StartPrimaryEmailUpdate
- The AWS European Sovereign Cloud supports 3 types of MFA: Passkeys/FIDO-based security key; Authenticator Apps; Hardware TOTP token. This support applies to the account level (root user) and also to IAM users.
- Amazon Resource Names (ARNs) and endpoints have different values.

Documentation

- [Account Management](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon API Gateway in AWS European Sovereign Cloud

This topic describes the functionality of Amazon API Gateway in the AWS European Sovereign Cloud Region.

Amazon API Gateway enables you to create and deploy your own REST and WebSocket APIs at any scale. You can create robust, secure, and scalable APIs that access Amazon Web Services or other web services, as well as data that's stored in the AWS Cloud. You can create APIs to use in your own client applications, or you can make your APIs available to third-party app developers.

How Amazon API Gateway differs

The following differences apply to Amazon API Gateway:

- HTTP API is not available.
- WebSockets API is not available.

Documentation

- [Amazon API Gateway](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS AppConfig in AWS European Sovereign Cloud

This topic describes the functionality of AWS AppConfig in the AWS European Sovereign Cloud Region.

AWS AppConfig feature flags and dynamic configurations help software builders quickly and securely adjust application behavior in production environments without full code deployments. AWS AppConfig speeds up software release frequency, improves application resiliency, and helps you address emergent issues more quickly.

How AWS AppConfig differs

There are no differences for this service.

Documentation

- [AWS AppConfig](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Application Auto Scaling in AWS European Sovereign Cloud

This topic describes the functionality of Application Auto Scaling in the AWS European Sovereign Cloud Region.

Application Auto Scaling is a web service for developers and system administrators who need a solution for automatically scaling their scalable resources for individual AWS services beyond Amazon EC2 Auto Scaling.

How Application Auto Scaling differs

The following differences apply to Application Auto Scaling:

- Amazon Keyspaces (for Apache Cassandra) tables Auto Scaling is not available.
- Amazon Managed Streaming for Apache Kafka (MSK) broker storage Auto Scaling is not available.
- Amazon Neptune clusters Auto Scaling is not available.
- AppStream 2.0 fleets Auto Scaling is not available.

- Comprehend Auto Scaling is not available.
- Pool of Amazon WorkSpaces Auto Scaling is not available.
- Only the following resources are supported:
 - Aurora replicas.
 - DynamoDB tables and global secondary indexes.
 - Amazon ECS services.
 - ElastiCache replication groups (Redis OSS and Valkey) and Memcached clusters.
 - Amazon EMR clusters.
 - Lambda function provisioned concurrency.
 - Spot Fleet requests.
 - Custom resources provided by your own applications or services.
- Predictive scaling is not available.
- Application Auto Scaling notifications in the AWS Personal Health Dashboard are not available.
- Application Auto Scaling events in EventBridge are not available.
- Application Auto Scaling metrics in CloudWatch are not available.
- Application Auto Scaling interface VPC endpoints in PrivateLink are not available.

Documentation

- [Application Auto Scaling](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS ARC - Zonal Shift in AWS European Sovereign Cloud

This topic describes the functionality of Application Recovery Controller - Zonal Shift in the AWS European Sovereign Cloud Region.

Zonal Shift enables you to shift traffic for a resource away from an impaired Availability Zone so that your application can continue operating from healthy Availability Zones. You can start a zonal shift for a resource to temporarily move traffic for the resource away from an Availability Zone. You

can also configure zonal autoshift to have AWS shift traffic away from an Availability Zone on your behalf during an event.

How Zonal Shift differs

The following differences apply to Zonal Shift:

- Region Switch is not available.
- Routing Control is not available.
- Readiness Checks is not available.

Documentation

- [Application Recovery Controller - Zonal Shift](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Artifact in AWS European Sovereign Cloud

This topic describes the functionality of AWS Artifact in the AWS European Sovereign Cloud Region.

AWS Artifact is a web service that enables you to download AWS security and compliance documents such as ISO certifications and SOC reports.

How AWS Artifact differs

The following differences apply to AWS Artifact:

- Artifact Agreements is not available.

Documentation

- [AWS Artifact](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Athena in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Athena in the AWS European Sovereign Cloud Region.

Amazon Athena is an interactive query service that makes it easy to analyze data in Amazon S3 using standard SQL. Athena is serverless, so there is no infrastructure to setup or manage, and you pay only for the queries you run. To get started, simply point to your data in S3, define the schema, and start querying using standard SQL.

How Amazon Athena differs

The following differences apply to Athena:

- Query results reuse is not available.
- Creating and querying federated data sources is not available.
- Querying federated data sources registered with AWS Glue Data Catalog with fine-grained access controls is not available.
- Capacity reservations is not available.
- Apache Spark and APIs specific to Apache Spark workgroups are not available.
- Trusted identity propagation through IAM Identity Center is not available.
- [Amazon Resource Names](#) and [endpoints](#) have different values.
- Only [signature version 4 signing](#) is supported.
- IPv6 dual stack support is not available.
- Self-service quota increases are not available. You can request a service limit increase through Service Quota console.

JDBC driver download links

Use the links in this section to download the latest JDBC 3.x driver for Amazon Athena.

JDBC driver uber jar

The following download packages the driver and all its dependencies in the same .jar file. This download is commonly used for third-party SQL clients.

[3.8.2 uber jar](#)

JDBC driver lean jar

The following download is a .zip file that contains the lean .jar for the driver and separate .jar files for the driver's dependencies. This download is commonly used for custom applications that might have dependencies that conflict with the dependencies that the driver uses.

[3.8.2 lean jar](#)

License

The following link contains the license agreement for the JDBC 3.x driver.

[License](#)

Previous versions of the Athena JDBC 3.x driver

We highly recommend that you use the latest version of the JDBC 3.x driver. The latest version of the driver contains the most recent improvements and fixes. Use an older version only if your application experiences incompatibilities with the latest version.

JDBC driver uber jar

The following download packages the driver and all its dependencies in the same .jar file. This download is commonly used for third-party SQL clients.

- [3.8.1 uber jar](#)
- [3.8.0 uber jar](#)
- [3.7.0 uber jar](#)
- [3.6.0 uber jar](#)
- [3.5.1 uber jar](#)
- [3.5.0 uber jar](#)
- [3.4.0 uber jar](#)
- [3.3.0 uber jar](#)
- [3.2.2 uber jar](#)
- [3.2.1 uber jar](#)
- [3.2.0 uber jar](#)
- [3.1.0 uber jar](#)

- [3.0.0 uber jar](#)

JDBC driver lean jar

The following download is a .zip file that contains the lean .jar for the driver and separate .jar files for the driver's dependencies. This download is commonly used for custom applications that might have dependencies that conflict with the dependencies that the driver uses.

- [3.8.1 lean jar](#)
- [3.8.0 lean jar](#)
- [3.7.0 lean jar](#)
- [3.6.0 lean jar](#)
- [3.5.1 lean jar](#)
- [3.5.0 lean jar](#)
- [3.4.0 lean jar](#)
- [3.3.0 lean jar](#)
- [3.2.2 lean jar](#)
- [3.2.1 lean jar](#)
- [3.2.0 lean jar](#)
- [3.1.0 lean jar](#)
- [3.0.0 lean jar](#)

Licenses

- [3.8.1 license](#)
- [3.8.0 license](#)
- [3.7.0 license](#)
- [3.6.0 license](#)
- [3.5.1 license](#)
- [3.5.0 license](#)
- [3.4.0 license](#)
- [3.3.0 license](#)
- [3.2.2 license](#)

- [3.2.1 license](#)
- [3.2.0 license](#)
- [3.1.0 license](#)
- [3.0.0 license](#)

ODBC driver download links

Use the links in this section to download the latest ODBC 2.x driver for Amazon Athena.

Linux

Driver version	Download link
ODBC 2.4.0.0 for Linux x86_64	Linux x86_64 ODBC driver 2.4.0.0

To verify the Linux package, download the following files:

- [Linux package public key](#)
- [Linux package signature](#)

macOS

Driver version	Download link
ODBC 2.4.0.0 for macOS	macOS ODBC driver 2.4.0.0

Windows

Driver version	Download link
ODBC 2.4.0.0 for Windows amd64	Windows amd64 ODBC driver 2.4.0.0

Licenses

- [AWS license](#)

Previous versions of the Athena ODBC 2.x driver

We highly recommend that you use the latest version of the ODBC 2.x driver. The latest version of the driver contains the most recent improvements and fixes. Use an older version only if your application experiences incompatibilities with the latest version.

Linux

Driver version	Download link
ODBC 2.2.0.1 for Linux 64-bit	Linux 64 bit ODBC driver 2.2.0.1
ODBC 2.2.0.0 for Linux 64-bit	Linux 64 bit ODBC driver 2.2.0.0
ODBC 2.1.0.0 for Linux 64-bit	Linux 64 bit ODBC driver 2.1.0.0
ODBC 2.0.6.0 for Linux 64-bit	Linux 64 bit ODBC driver 2.0.6.0
ODBC 2.0.5.1 for Linux 64-bit	Linux 64 bit ODBC driver 2.0.5.1
ODBC 2.0.5.0 for Linux 64-bit	Linux 64 bit ODBC driver 2.0.5.0
ODBC 2.0.4.0 for Linux 64-bit	Linux 64 bit ODBC driver 2.0.4.0
ODBC 2.0.3.0 for Linux 64-bit	Linux 64 bit ODBC driver 2.0.3.0
ODBC 2.0.2.2 for Linux 64-bit	Linux 64 bit ODBC driver 2.0.2.2

macOS

Driver version	Download link
ODBC 2.2.0.1 for macOS Universal	macOS Universal ODBC driver 2.2.0.1
ODBC 2.2.0.0 for macOS Universal	macOS Universal ODBC driver 2.2.0.0

Driver version	Download link
ODBC 2.1.0.0 for macOS 64-bit (ARM)	macOS 64 bit ODBC driver 2.1.0.0 (ARM)
ODBC 2.1.0.0 for macOS 64-bit (Intel)	macOS 64 bit ODBC driver 2.1.0.0 (Intel)
ODBC 2.0.6.0 for macOS 64-bit (ARM)	macOS 64 bit ODBC driver 2.0.6.0 (ARM)
ODBC 2.0.6.0 for macOS 64-bit (Intel)	macOS 64 bit ODBC driver 2.0.6.0 (Intel)
ODBC 2.0.5.1 for macOS 64-bit (ARM)	macOS 64 bit ODBC driver 2.0.5.1 (ARM)
ODBC 2.0.5.1 for macOS 64-bit (Intel)	macOS 64 bit ODBC driver 2.0.5.1 (Intel)
ODBC 2.0.5.0 for macOS 64-bit (ARM)	macOS 64 bit ODBC driver 2.0.5.0 (ARM)
ODBC 2.0.5.0 for macOS 64-bit (Intel)	macOS 64 bit ODBC driver 2.0.5.0 (Intel)
ODBC 2.0.4.0 for macOS 64-bit (ARM)	macOS 64 bit ODBC driver 2.0.4.0 (ARM)
ODBC 2.0.4.0 for macOS 64-bit (Intel)	macOS 64 bit ODBC driver 2.0.4.0 (Intel)
ODBC 2.0.3.0 for macOS 64-bit (ARM)	macOS 64 bit ODBC driver 2.0.3.0 (ARM)
ODBC 2.0.3.0 for macOS 64-bit (Intel)	macOS 64 bit ODBC driver 2.0.3.0 (Intel)
ODBC 2.0.2.2 for macOS 64-bit (ARM)	macOS 64 bit ODBC driver 2.0.2.2 (ARM)
ODBC 2.0.2.2 for macOS 64-bit (Intel)	macOS 64 bit ODBC driver 2.0.2.2 (Intel)

Windows

Driver version	Download link
ODBC 2.2.0.1 for Windows 64-bit	Windows 64 bit ODBC driver 2.2.0.1
ODBC 2.2.0.0 for Windows 64-bit	Windows 64 bit ODBC driver 2.2.0.0
ODBC 2.1.0.0 for Windows 64-bit	Windows 64 bit ODBC driver 2.1.0.0

Driver version	Download link
ODBC 2.0.6.0 for Windows 64-bit	Windows 64 bit ODBC driver 2.0.6.0
ODBC 2.0.5.1 for Windows 64-bit	Windows 64 bit ODBC driver 2.0.5.1
ODBC 2.0.5.0 for Windows 64-bit	Windows 64 bit ODBC driver 2.0.5.0
ODBC 2.0.4.0 for Windows 64-bit	Windows 64 bit ODBC driver 2.0.4.0
ODBC 2.0.3.0 for Windows 64-bit	Windows 64 bit ODBC driver 2.0.3.0
ODBC 2.0.2.2 for Windows 64-bit	Windows 64 bit ODBC driver 2.0.2.2
ODBC 2.0.2.1 for Windows 64-bit	Windows 64 bit ODBC driver 2.0.2.1
ODBC 2.0.2.0 for Windows 64-bit	Windows 64 bit ODBC driver 2.0.2.0
ODBC 2.0.1.1 for Windows 64-bit	Windows 64 bit ODBC driver 2.0.1.1
ODBC 2.0.1.0 for Windows 64-bit	Windows 64 bit ODBC driver 2.0.1.0

Licenses

- [ODBC 2.2.0.1 license](#)
- [ODBC 2.2.0.0 license](#)
- [ODBC 2.1.0.0 license](#)
- [ODBC 2.0.6.0 license](#)
- [ODBC 2.0.5.1 license](#)
- [ODBC 2.0.5.0 license](#)
- [ODBC 2.0.4.0 license](#)
- [ODBC 2.0.3.0 license](#)
- [ODBC 2.0.2.2 license](#)
- [ODBC 2.0.2.1 license](#)
- [ODBC 2.0.2.0 license](#)
- [ODBC 2.0.1.1 license](#)

- [ODBC 2.0.1.0 license](#)

Documentation

- [Amazon Athena](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Backup in AWS European Sovereign Cloud

This topic describes the functionality of AWS Backup in the AWS European Sovereign Cloud Region.

AWS Backup is a fully managed backup service that makes it easy to centralize and automate the backup of data across AWS services in the cloud as well as on premises.

How AWS Backup differs

The following differences apply to AWS Backup:

- Backup Audit Manager is not available.
- Logically air-gapped vault is not available.
- Restore testing is not available.
- Backup Search is not available.
- Windows VSS is not available.
- Amazon RDS MAZ (Multi-AZ) is not available.
- SAP HANA on EC2 is not available.
- Amazon Aurora DSQL is not available.
- Amazon Timestream is not available.
- AWS Storage Gateway is not available.
- Redshift Serverless is not available.
- FSx Windows, Lustre, Open ZFS, ONTAP is not available.
- Virtual Machines (VMware) is not available.
- Amazon DocumentDB (with MongoDB compatibility) is not available.
- Amazon Neptune is not available.

Documentation

- [AWS Backup](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Batch in AWS European Sovereign Cloud

This topic describes the functionality of AWS Batch in the AWS European Sovereign Cloud Region.

AWS Batch enables you to run batch computing workloads on the AWS Cloud. Batch computing is a common way for developers, scientists, and engineers to access large amounts of compute resources. AWS Batch removes the undifferentiated heavy lifting of configuring and managing the required infrastructure.

How AWS Batch differs

The following differences apply to AWS Batch:

- Batch for Sagemaker Training jobs is not available.
- Fargate Windows is not available.

Documentation

- [AWS Batch](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Bedrock in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Bedrock in the AWS European Sovereign Cloud Region.

Amazon Bedrock is a fully managed service that makes it easy to use foundation models from third-party providers and Amazon.

How Amazon Bedrock differs

The following differences apply to Amazon Bedrock:

- Model availability for all regions, including AWS European Sovereign Cloud, is available at [Model support by AWS Region](#).
- Feature support for all regions, including AWS European Sovereign Cloud, is available at [Feature support by AWS Region](#).

Documentation

- [Amazon Bedrock](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Billing and Cost Management in AWS European Sovereign Cloud

This topic describes the functionality of AWS Billing and Cost Management in the AWS European Sovereign Cloud Region.

AWS Billing and Cost Management is a service that provides features that help you pay your bills and optimize your costs. Amazon Web Services bills your account for usage, which ensures that you pay only for what you use.

How AWS Billing and Cost Management differs

The following differences apply to AWS Billing and Cost Management:

- Cost Explorer: For access via the API, you need ce:* permissions. Granular permissions provided by ce:* actions are only supported via the API.
- Cost Anomaly Detection: The Amazon Q Developer in chat applications (chatbot) feature is not available.
- Cost Anomaly Detection: The Amazon EventBridge Notifications feature is not available.
- Cost Anomaly Detection: The AWS User Notifications feature is not available.

- Cost Anomaly Detection: The Simplified Monitoring feature is not available.
- Cost Optimization Hub: The 'After discounts' savings estimation mode is not available.
- Cost Optimization Hub: The Efficiency Metrics feature is not available.
- Cost Optimization Hub: The CSV Download feature is not available.
- Cost Optimization Hub: The Idle resource recommendations for NatGateway, ApplicationELB, and NetworkELB are not available.
- Cost Optimization Hub: The Transfer Billing feature is not available.
- Customer Carbon Footprint Tool (CCFT): The Customer Carbon Footprint Tool is not available.
- Data Exports: The Legacy Cost and Usage Reports feature is not available.
- Data Exports: The Cost and Usage Dashboard feature, powered by QuickSight, is not available.
- Data Exports: The FOCUS 1.0 report with AWS columns feature is not available.
- Data Exports: The FOCUS 1.2 report with AWS columns feature is not available.
- Data Exports: The Carbon Emission report feature is not available.
- Data Exports: The Data Exports for Cost Optimization recommendations feature is not available.
- Data Exports: The following features for the Cost and Usage Report 2.0 report are not available: Billing views, Pro forma, Split cost allocation data, Capacity reservation columns and granularity.
- Advance Pay: The Advance Pay feature is not available.
- Financing: The AWS Financing feature is not available.
- Forecasting: The 18-month Forecasting and Explainable AI Insights feature is not available.
- Budgets: The Budgets Report feature is not available.
- Budgets: The Amazon Q Developer in chat applications (chatbot) feature is not available.
- Billing View: The Billing View feature is not available. This includes the associated views in Cost Explorer, Forecasting, Budgets, and Dashboards.
- Billing Transfer: The Billing Transfer feature is not available.
- AWS Billing Conductor: AWS Billing Conductor is not available.
- Payment Preferences: Customers paying by credit card and transacting with AWS Inc. can only pay by USD. Note that customers paying by invoice and transacting with AWS Inc., and customers transacting with AWS EMEA SARL (for both credit card and pay by invoice), can pay in any currency that AWS already supports today.
- AWS Free Tier: The AWS Free Tier feature is not available.

- **Price List API:** The Price List API is publicly available. However, it does not provide a VPC endpoint. Customers using the API from inside a VPC will need to keep a connection to the Internet set up in their VPC using an Internet Gateway.
- **Pricing Calculator:** The in-console Pricing Calculator is not available.
- **Pricing Calculator:** The Windows Server and SQL Server calculator is not available.
- **Recommended Actions:** The Recommended Actions widget and API on the AWS Billing and Cost Management home page is not available.
- **Purchase Orders:** The Balance Tracking feature is not available, including associated notifications.
- **Purchase Orders:** The Purchase Order Retrieval from Procurement Portal feature is not available.
- **Bills page:** The Download CSV feature is not available.
- **Bills page:** The Invoice Correction Self-Service feature is not available.
- **Bills page:** The E-Invoicing delivery status feature is not available.
- **Billing Preferences:** The Savings Plans and Reserved Instances Group Sharing feature is not available.
- **Billing Preferences:** The E-Invoicing Self-Service Onboarding feature is not available.
- **Cost Categories:** The Reserved Instances and Savings Plans group sharing feature using cost categories is not available.

Documentation

- [AWS Billing User Guide](#) documentation
- [AWS Cost Management User Guide](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Cloud Development Kit (AWS CDK) in AWS European Sovereign Cloud

This topic describes the functionality of the AWS Cloud Development Kit (AWS CDK) in the AWS European Sovereign Cloud Region.

The AWS Cloud Development Kit (AWS CDK) is a framework for defining cloud infrastructure in code (IaC) and provisioning it through AWS CloudFormation.

How AWS CDK differs

There are no differences for this service.

Documentation

- [AWS CDK](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Certificate Manager (ACM) in AWS European Sovereign Cloud

This topic describes the functionality of AWS Certificate Manager (ACM) in the AWS European Sovereign Cloud Region.

AWS Certificate Manager (ACM) helps you to provision, manage, and renew publicly trusted TLS certificates on AWS based websites.

How AWS Certificate Manager differs

The following differences apply to ACM:

Validation Methods

- Email Validation is not available for ACM.
- HTTP Validation with CloudFront is not available for ACM.

Root Certificate Authorities

ACM adds the following Root CAs:

Root CA	Key Algorithm
CN=Amazon RSA 2048 Root EU M1,O=Amazon,C=DE	2048-bit RSA (RSA_2048)

Root CA	Key Algorithm
CN=Amazon ECDSA 256 Root EU M1,O=Amazon,C=DE	Elliptic Prime Curve 256 bit (EC_prime256v1)
CN=Amazon ECDSA 384 Root EU M1,O=Amazon,C=DE	Elliptic Prime Curve 384 bit (EC_secp384r1)

CAA Records

ACM adds the following CAA records:

- amazontrustservices.eu
- amazonaws.eu
- amznts.eu

OCSP Endpoint Changes

ACM changes the OCSP endpoint:

- http://*.amazontrust.com
- http://*.amznts.eu

CRL Endpoint Changes

ACM changes the CRL endpoint:

- <http://.amazontrust.com/.crl>
- <http://.amznts.eu/.crl>

Documentation

- [AWS Certificate Manager \(ACM\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Cloud Map in AWS European Sovereign Cloud

This topic describes the functionality of AWS Cloud Map in the AWS European Sovereign Cloud Region.

AWS Cloud Map lets you name and discover your cloud resources.

How AWS Cloud Map differs

There are no differences for this service.

Documentation

- [AWS Cloud Map](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS CloudFormation in AWS European Sovereign Cloud

This topic describes the functionality of AWS CloudFormation in the AWS European Sovereign Cloud Region.

AWS CloudFormation enables you to create and provision AWS infrastructure deployments predictably and repeatedly. It helps you leverage AWS products such as Amazon EC2, Amazon Elastic Block Store, Amazon SNS, Elastic Load Balancing, and Auto Scaling to build highly reliable, highly scalable, cost-effective applications in the cloud without worrying about creating and configuring the underlying AWS infrastructure. AWS CloudFormation enables you to use a template file to create and delete a collection of resources together as a single unit (a stack).

How AWS CloudFormation differs

The following differences apply to CloudFormation:

- AWS CloudFormation Git Sync is not available.

Documentation

- [AWS CloudFormation](#) documentation

- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS CloudTrail in AWS European Sovereign Cloud

This topic describes the functionality of AWS CloudTrail in the AWS European Sovereign Cloud Region.

With AWS CloudTrail, you can monitor your AWS deployments in the cloud by getting a history of AWS API calls for your account, including API calls made by using the AWS Management Console, the AWS SDKs, the command line tools, and higher-level AWS services. You can also identify which users and accounts called AWS APIs for services that support CloudTrail, the source IP address from which the calls were made, and when the calls occurred. You can integrate CloudTrail into applications using the API, automate trail creation for your organization, check the status of your trails, and control how administrators turn CloudTrail logging on and off.

How AWS CloudTrail differs

The following differences apply to CloudTrail:

- AWS CloudTrail Lake is not available.

Documentation

- [AWS CloudTrail](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon CloudWatch in AWS European Sovereign Cloud

This topic describes the functionality of Amazon CloudWatch in the AWS European Sovereign Cloud Region.

Amazon CloudWatch provides a reliable, scalable, and flexible monitoring solution that you can start using within minutes. You no longer need to set up, manage, and scale your own monitoring systems and infrastructure.

How Amazon CloudWatch differs

The following differences apply to CloudWatch:

- CloudWatch Application Signals is not available.

Documentation

- [Amazon CloudWatch](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon CloudWatch Logs in AWS European Sovereign Cloud

This topic describes the functionality of Amazon CloudWatch Logs in the AWS European Sovereign Cloud Region.

You can use Amazon CloudWatch Logs to monitor, store, and access your log files from EC2 instances and other sources.

How Amazon CloudWatch Logs differs

The following differences apply to Amazon CloudWatch Logs:

- Log pattern analysis is not available.
- Data protection with masking is not available.
- Field indexing is not available.
- Log transformation is not available.
- Using OpenSearch SQL or OpenSearch PPL to query logs is not available.
- Vended log dashboards powered by Amazon OpenSearch Service are not available.
- Live Tail is not available.
- If you use the `awslogs` package, be sure that the region is set to `eusc-de-east-1`. For more information, see [Quick Start: Install and Configure the CloudWatch Logs Agent on a Running EC2 Instance](#).
- Creating a subscription to stream logs data to Amazon OpenSearch Service is not available.

- Using conditional statements in IAM policies for subscription destinations is not available.
- Regex filter pattern syntax for metric filters, subscription filters, filter log events, and Live Tail is not available.
- [Amazon Resource Names in AWS European Sovereign Cloud](#) and [endpoints](#) have different values.
- Only [signature version 4 signing](#) is supported.

Documentation

- [Amazon CloudWatch](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS CodeDeploy in AWS European Sovereign Cloud

This topic describes the functionality of AWS CodeDeploy in the AWS European Sovereign Cloud Region.

AWS CodeDeploy is a deployment service that enables developers to automate the deployment of applications to instances and to update the applications as required.

How AWS CodeDeploy differs

There are no differences for this service.

Documentation

- [AWS CodeDeploy](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS CodePipeline in AWS European Sovereign Cloud

This topic describes the functionality of AWS CodePipeline in the AWS European Sovereign Cloud Region.

AWS CodePipeline is a continuous delivery service that you use to model, visualize, and automate the steps required to release your software. You can model and configure the different stages of a software release process.

How AWS CodePipeline differs

The following differences apply to AWS CodePipeline:

- The following source actions are not available:
 - AWS CodeCommit
 - AWS CodeConnections, which covers Bitbucket Cloud, GitHub, GitHub Enterprise Server, and GitLab
- The following build and test actions are not available:
 - Amazon Elastic Container Registry ECRBuildAndPublish
 - Jenkins
 - AWS Device Farm
- The Commands action and the Commands rule are not available.
- The following deploy actions are not available:
 - Alexa Skills Kit
 - Amazon EC2
 - Amazon EKS
 - AWS AppConfig
 - AWS CloudFormation StackInstances
 - AWS CloudFormation StackSets
 - AWS Elastic Beanstalk
 - AWS OpsWorks
 - AWS Service Catalog
- The following invoke actions are not available:
 - InspectorScan
 - AWS Step Functions

Documentation

- [AWS CodePipeline](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Cognito in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Cognito in the AWS European Sovereign Cloud Region.

Amazon Cognito handles user authentication and authorization for your web and mobile apps. With user pools, you can easily and securely add sign-up and sign-in functionality to your apps. With identity pools (federated identities), your apps can get temporary credentials that grant users access to specific AWS resources, whether the users are anonymous or are signed in.

How Amazon Cognito differs

The following differences apply to Amazon Cognito:

- Integration with AWS End User Messaging Service for SMS messages and Amazon Simple Email Service for email messages is only available with resources within the AWS European Sovereign Cloud Region.
- Amazon Cognito Sync is not available.
- Custom domains for user pools are not available. You can only choose a prefix domain. An example domain is `https://mydomainprefix.auth.cognito-idp.eusc-de-east-1.on.amazonwebservices.eu`.

Documentation

- [Amazon Cognito](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Compute Optimizer in AWS European Sovereign Cloud

This topic describes the functionality of AWS Compute Optimizer in the AWS European Sovereign Cloud Region.

AWS Compute Optimizer recommends optimal AWS compute resources for your workloads to reduce costs and improve performance. Compute Optimizer uses machine learning to analyze your historical utilization metrics to help you choose the optimal AWS resource configuration.

How AWS Compute Optimizer differs

The following differences apply to AWS Compute Optimizer:

- The feature to integrate with Third Party Application Performance Monitoring metrics is not available.
- Recommendations for Reserved Instance and Savings Plan discounts are not available.
- The External metrics ingestion feature is not available.
- Recommendations for RDS databases are not available.
- Recommendations for SQL server licenses are not available.

Documentation

- [AWS Compute Optimizer](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Config in AWS European Sovereign Cloud

This topic describes the functionality of AWS Config in the AWS European Sovereign Cloud Region.

AWS Config provides a detailed view of the resources associated with your AWS account, including how they are configured, how they are related to one another, and how the configurations and their relationships have changed over time.

How AWS Config differs

The following differences apply to AWS Config:

- PrivateLink Support is not available.
- AWS Config Rules support for Proactive Evaluation mode is not available.

Documentation

- [AWS Config](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Control Tower in AWS European Sovereign Cloud

This topic describes the functionality of AWS Control Tower in the AWS European Sovereign Cloud Region.

AWS Control Tower is a service that enables you to enforce and manage governance rules for security, operations, and compliance at scale across all your organizations and accounts in the AWS Cloud.

How AWS Control Tower differs

The following differences apply to AWS Control Tower:

API Permissions

The following permissions are not available:

- `controltower:DescribeManagedAccount`
- `controltower:DescribeManagedOrganizationalUnit`
- `controltower:ListManagedOrganizationalUnits`
- `controltower:ListManagedAccounts`
- `controltower:ManageOrganizationalUnit`
- `controltower:DescribeRegisterOrganizationalUnitOperation`
- `controltower:DescribeGuardrailForTarget`
- `controltower:ListGuardrailsForTarget`

- `controltower:DisableGuardrail`
- `controltower:EnableGuardrail`
- `controltower:DeregisterOrganizationalUnit`
- `controltower:SetupLandingZone`
- `controltower:PerformPreLaunchChecks`
- `controltower:GetLandingZoneStatus`
- `controltower:DescribeLandingZoneConfiguration`
- `controltower:GetAvailableUpdates`
- `controltower:GetLandingZoneDriftStatus`
- `controltower:GetHomeRegion`
- `controltower:DescribeGuardrail`
- `controltower:ListGuardrails`

Use the following permissions instead:

- `controltower:GetEnabledBaseline`
- `controltower:ListEnabledBaselines`
- `controltower:ResetEnabledBaseline`
- `controltower:UpdateLandingZone`
- `controltower:GetBaselineOperation`
- `controltower:GetEnabledControl`
- `controltower:ListEnabledControls`
- `controltower:ResetLandingZone`
- `controltower:GetLandingZoneOperation`
- `controltower:CreateLandingZone`
- `controltower>DeleteLandingZone`
- `controltower:EnableControl`
- `controltower:DisableBaseline`
- `controltower:EnableBaseline`
- `controltower:ListLandingZoneOperations`

- `controltower:GetLandingZone`
- `controltower:ListLandingZones`
- `controltower:UpdateEnabledBaseline`
- `controlcatalog:GetControl`
- `controlcatalog:ListControls`

Controls

- [Resource control policy \(RCP\) controls](#) are not available.
- [Declarative controls](#) are not available.

Account Provisioning and Customization

- [AWS Control Tower Account Factory for Terraform \(AFT\)](#) is not available.
- [Customizations for AWS Control Tower \(CfCT\)](#) is not available.
- [Account Factory Customization \(AFC\)](#) is not available.
- AWS Control Tower does not create an [AWS Service Catalog](#) Account Factory Portfolio and Product.

Landing Zone

- The [Landing Zone](#) integration with [AWS Backup](#) is not available.

Baselines

- The following baselines are not available due to the lack of [AWS Backup](#) integration:
 - `BackupCentralVaultBaseline`
 - `BackupAdminBaseline`
 - `BackupBaseline`

Documentation

- [AWS Control Tower](#) documentation

- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Data Firehose in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Data Firehose in the AWS European Sovereign Cloud Region.

Collect, process, and analyze real-time, streaming data so you can get timely insights and react quickly to new information.

How Amazon Firehose differs

The following differences apply to Firehose:

- Amazon MSK is not available as a source.
- Amazon OpenSearch Serverless is not available as a destination.
- Snowflake is not available as a destination.

Documentation

- [Amazon Data Firehose](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Database Migration Service (AWS DMS) in AWS European Sovereign Cloud

This topic describes the functionality of AWS Database Migration Service (AWS DMS) in the AWS European Sovereign Cloud Region.

AWS Database Migration Service (AWS DMS) is a web service you can use to migrate data from your database that is on-premises, on an Amazon Relational Database Service (Amazon RDS) DB instance, or in a database on an Amazon Elastic Compute Cloud (Amazon EC2) instance to a database on an AWS service. These services can include a database on Amazon RDS or a database

on an Amazon EC2 instance. You can also migrate a database from an AWS service to an on-premises database. You can migrate between source and target endpoints that use the same database engine, such as from an Oracle database to an Oracle database. You can also migrate between source and target endpoints that use different database engines, such as from an Oracle database to a PostgreSQL database.

How AWS Database Migration Service differs

The following differences apply to AWS DMS:

- AWS DMS Homogeneous Migrations are not available.
- AWS DMS Schema Conversion is not available.
- AWS DMS Fleet Advisor is not available.
- AWS DMS Serverless is not available.
- For Provisioned DMS in the AWS European Sovereign Cloud, DMS 3.6.1 is not available. This means in the AWS European Sovereign Cloud:
 - DMS Data Resync is not available.
 - IAM database authentication for MariaDB, MySQL, and PostgreSQL is not available
 - Support for PostgreSQL 17 is not available
 - PostgreSQL Read Replica Support for Change Data Capture (CDC) Replication is not available

Documentation

- [AWS Database Migration Service \(AWS DMS\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS DataSync in AWS European Sovereign Cloud

This topic describes the functionality of AWS DataSync in the AWS European Sovereign Cloud Region.

AWS DataSync is an online data transfer service that simplifies data migration and helps you quickly, easily, and securely transfer your file or object data to, from, and between AWS storage services.

How AWS DataSync differs

There are no differences for this service.

Documentation

- [AWS DataSync](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Direct Connect in AWS European Sovereign Cloud

This topic describes the functionality of AWS Direct Connect in the AWS European Sovereign Cloud Region.

AWS Direct Connect establishes a dedicated network connection between your on-premises network and AWS. With this connection in place, you can create virtual interfaces directly to the AWS Cloud, bypassing your internet service provider. This can provide a more consistent network experience.

How AWS Direct Connect differs

There are no differences for this service.

Documentation

- [AWS Direct Connect](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Directory Service in AWS European Sovereign Cloud

This topic describes the functionality of AWS Directory Service in the AWS European Sovereign Cloud Region.

AWS Directory Service provides multiple ways to set up and run Microsoft Active Directory with other AWS services such as Amazon EC2, Amazon RDS for SQL Server, FSx for Windows File Server,

and AWS IAM Identity Center. AWS Directory Service for Microsoft Active Directory, also known as AWS Managed Microsoft AD, enables your directory-aware workloads and AWS resources to use a managed Active Directory in the AWS Cloud.

How AWS Directory Service differs

The following differences apply to Directory Service:

The following directory types are not available:

- Simple AD

The following AWS Managed Microsoft AD features are not available:

- Domain Controller Metrics in CloudWatch
- User and Group Management with the AWS Management Console, AWS CLI, or AWS Tools for PowerShell
- Multi-region replication
- AWS Managed Microsoft AD (Hybrid Edition)

The following AWS apps and services are not available for AWS Directory Service:

- AWS PrivateLink – Interface Amazon VPC endpoints using AWS PrivateLink are not available.

Documentation

- [AWS Directory Service](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon DocumentDB (with MongoDB compatibility) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon DocumentDB (with MongoDB compatibility) in the AWS European Sovereign Cloud Region.

Amazon DocumentDB (with MongoDB compatibility) is a fast, scalable, highly available, and fully managed document database service that supports MongoDB workloads. As a document database, Amazon DocumentDB makes it easy to store, query, and index JSON data.

Amazon DocumentDB is a non-relational database service designed from the ground-up to give you the performance, scalability, and availability you need when operating mission-critical MongoDB workloads at scale. In Amazon DocumentDB, the storage and compute are decoupled, allowing each to scale independently. You can increase the read capacity to millions of requests per second by adding up to 15 low latency read replicas in minutes, regardless of the size of your data.

How Amazon DocumentDB differs

The following differences apply to Amazon DocumentDB:

- Amazon DocumentDB engine versions 4.0 and 5.0 are supported. Engine versions 3.6 and 8.0 are not available.
- Amazon DocumentDB global clusters are not available.
- Amazon DocumentDB elastic clusters are not available.
- Amazon DocumentDB serverless is not available.
- The db.r4, db.r5, db.r8g, db.r6gd, and db.t3 instance classes are not available. Supported instance classes are db.r6g and db.t4g.

Documentation

- [Amazon DocumentDB \(with MongoDB compatibility\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon DynamoDB in AWS European Sovereign Cloud

This topic describes the functionality of Amazon DynamoDB in the AWS European Sovereign Cloud Region.

Amazon DynamoDB is a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability. You can use Amazon DynamoDB to create a database table that can store and retrieve any amount of data, and serve any level of request traffic. Amazon

DynamoDB automatically spreads the data and traffic for the table over a sufficient number of servers to handle the request capacity specified by the customer and the amount of data stored, while maintaining consistent and fast performance.

How Amazon DynamoDB differs

The following differences apply to DynamoDB:

- DynamoDB Accelerator (DAX), NoSQL Workbench, DDB Local, PartiQL API actions, Global Tables and Cross-Region Restore.
- DynamoDB zero-ETL integration with Amazon SageMaker and Amazon S3 Tables is not available.
- DynamoDB zero-ETL integration with Amazon OpenSearch Service is not available.
- AWS account-based endpoints for Amazon DynamoDB are not supported.

Documentation

- [Amazon DynamoDB](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Elastic Block Store (Amazon EBS) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Elastic Block Store (Amazon EBS) in the AWS European Sovereign Cloud Region.

Amazon Elastic Block Store (Amazon EBS) provides scalable, high-performance block-storage resources that you can use with your Amazon EC2 instances.

How Amazon EBS differs

The following differences apply to Amazon EBS:

- Fault testing on Amazon EBS is not available.
- Recycle Bin for EBS Volumes is not available.

- Time-based copies for Amazon EBS snapshots and EBS-backed AMIs is not available.

Documentation

- [Amazon Elastic Block Store \(Amazon EBS\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Elastic Compute Cloud (Amazon EC2) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Elastic Compute Cloud (Amazon EC2) in the AWS European Sovereign Cloud Region.

Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides resizable computing capacity—literally, servers in Amazon’s data centers—that you use to build and host your software systems.

How Amazon EC2 differs

The following differences apply to Amazon EC2:

Billing and purchasing differences

- Capacity Blocks for ML is not available.
- Reserved Instances are not available.
- Reserved Instance Marketplace is not available.

Instance differences

- AMD Secure Encrypted Virtualization-Secure Nested Paging (SEV-SNP) is not available.
- Amazon Time Sync Service’s PTP hardware clocks are not available.
- Nitro enclaves are not available.
- Nitro Trusted Platform Module (NitroTPM) is not available.
- Credential Guard for Windows instances is not available.

Networking differences

- Flexible ENA queues are not available.
- EC2 Instance Connect is not available.
- EC2 Serial Console is not available.
- The IPv6 endpoint for the instance metadata service (IMDS) is not available. The `httpProtocolIpv6` field is not included in the `DescribeInstances` API response.

How VM Import/Export differs

VM Import/Export is different for AWS European Sovereign Cloud in the following ways:

- You can use the AWS VM Import tools to import VM images from your local environment and convert them into Amazon EC2 instances. For more information, see [Importing a VM into Amazon EC2](#).
- You can import Microsoft Windows VMs that use the Bring Your Own License (BYOL) model. First, create a case in AWS Support Center and request to be allowlisted for Windows BYOL.
- `DescribeConversionTasks`, `ImportInstance`, and `ImportVolume` are not available.

Documentation

- [Amazon Elastic Compute Cloud \(Amazon EC2\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon EC2 Auto Scaling in AWS European Sovereign Cloud

This topic describes the functionality of Amazon EC2 Auto Scaling in the AWS European Sovereign Cloud Region.

Amazon EC2 Auto Scaling allows you to scale your Amazon Elastic Compute Cloud capacity up or down automatically according to conditions you define. With Amazon EC2 Auto Scaling, you can ensure that the number of Amazon Elastic Compute Cloud instances you're using increases seamlessly to maintain performance during demand spikes, and decreases automatically to minimize costs during demand lulls. Auto Scaling is particularly well suited for applications

that experience hourly, daily, or weekly variability in usage. Auto Scaling is enabled by Amazon CloudWatch and available at no additional charge beyond CloudWatch fees.

How Amazon EC2 Auto Scaling differs

The following differences apply to Auto Scaling:

- Predictive scaling policies are not available.
- Capacity Reservation preference is not available.

Documentation

- [Amazon EC2 Auto Scaling](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

EC2 Image Builder in AWS European Sovereign Cloud

EC2 Image Builder is a fully-managed AWS service that makes it easier to automate the creation, management, and deployment of customized, secure, and up-to-date “golden” server images that are pre-installed and pre-configured with software and settings to meet specific IT standards.

How EC2 Image Builder differs

The following differences apply to Image Builder:

- CIS Hardened Images and the CIS Hardening component from the Center for Internet Security are not available.
- Dedicated Instances and Dedicated Hosts are not available.
- macOS images are not available.

The following Image Builder features are not available:

- Common vulnerability (CVE) findings
- AWS Marketplace Software components
- ISO disk file import

Documentation

- [EC2 Image Builder](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Elastic Container Registry (Amazon ECR) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Elastic Container Registry (Amazon ECR) in the AWS European Sovereign Cloud Region.

Amazon Elastic Container Registry (Amazon ECR) is a fully managed container registry offering high-performance hosting, so you can reliably deploy application images and artifacts anywhere.

How Amazon ECR differs

The following differences apply to Amazon ECR:

- [Amazon ECR to Amazon ECR pull through cache rules](#) are available only within the same partition.
- [Amazon ECR Enhanced scanning](#) is not available.

Documentation

- [Amazon Elastic Container Registry \(Amazon ECR\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Elastic Container Service (Amazon ECS) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Elastic Container Service (Amazon ECS) in the AWS European Sovereign Cloud Region.

Amazon Elastic Container Service (Amazon ECS) is a fully managed container orchestration service that helps you to more efficiently deploy, manage, and scale containerized applications. It deeply integrates with the AWS environment to provide an easy-to-use solution for running container workloads in the cloud and on premises with advanced security features using Amazon ECS Anywhere.

How Amazon ECS differs

The following differences apply to Amazon ECS:

- Only IPv4 endpoints are supported.
- AWS Fargate platform versions and AMIs are built using region-specific repositories and configurations optimized for the AWS European Sovereign Cloud environment.
- Fargate AMIs in AWS European Sovereign Cloud use specialized certificate bundles and network configurations for secure operation within the sovereign infrastructure.
- Provisioned Rate for Volume Initialization when provisioning Amazon EBS volume from a snapshot is not available.
- Amazon EBS volumes for Windows containers are not available.
- Windows containers are not available on Fargate.
- Only Rolling or External Deployments are supported for ECS services.
- [Release notes on Github for an Amazon ECS-optimized AMI release](#) may be published prior to AMIs for that release being available.
- Exact source Amazon Linux 2 or Amazon Linux 2023 images used as a base for building Linux variants of the Amazon ECS-optimized AMI in AWS European Sovereign Cloud regions may differ from source images used in other AWS regions.

Example

We recommend that you [query the Systems Manager Parameter Store API as the source of truth for Amazon ECS-optimized AMIs metadata](#) in any AWS region, including AWS European Sovereign Cloud regions. Systems Manager Parameter Store reliably provides the most up to date information regarding Amazon ECS-optimized AMI availability and details such as AMI ID, image name, operating system, container agent version, source image name, and runtime version.

Documentation

- [Amazon Elastic Container Service \(Amazon ECS\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Elastic File System (Amazon EFS) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Elastic File System (Amazon EFS) in the AWS European Sovereign Cloud Region.

Amazon EFS is a simple, serverless, elastic, set-and-forget file system that automatically grows and shrinks as you add and remove files with no need for management or provisioning. You can use Amazon EFS with Amazon EC2, AWS Lambda, Amazon ECS, Amazon EKS and other AWS compute instances, or with on-premises servers.

How Amazon EFS differs

The following differences apply to Amazon EFS:

- EFS One Zone file systems and replicating file systems across accounts are not available.

Documentation

- [Amazon Elastic File System \(Amazon EFS\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Elastic Kubernetes Service (Amazon EKS) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Elastic Kubernetes Service (Amazon EKS) in the AWS European Sovereign Cloud Region.

Amazon Elastic Kubernetes Service (Amazon EKS) is a managed service that makes it easy for you to run Kubernetes on AWS without needing to install and operate your own Kubernetes clusters.

How Amazon EKS differs

The following differences apply to Amazon EKS:

- Amazon EKS Anywhere Frontend subscription service is not available.
- EKS support for Fargate is not available.

Documentation

- [Amazon Elastic Kubernetes Service \(Amazon EKS\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Elastic Disaster Recovery in AWS European Sovereign Cloud

This topic describes how AWS Elastic Disaster Recovery (AWS DRS) differs in the AWS European Sovereign Cloud Region.

With AWS Elastic Disaster Recovery, you can minimize downtime and data loss with fast, reliable recovery of on-premises and cloud-based applications. AWS DRS uses affordable storage, minimal compute, and point-in-time recovery.

How AWS Elastic Disaster Recovery differs

The following differences apply to AWS Elastic Disaster Recovery:

- You must launch all Amazon EC2 instances for recovery, drill, failback, and AWS DRS service resources in an Amazon Virtual Private Cloud (Amazon VPC). If your account does not have a default Amazon VPC, you must create one before you launch instances or set up the staging area.
- Cross-partition replication and failback between AWS European Sovereign Cloud and any other partition are not available. Within the AWS European Sovereign Cloud partition, only cross-Availability Zone replication and failback are supported.

- AWS DRS source servers can only be extended to other AWS accounts within the AWS European Sovereign Cloud partition when using multiple staging accounts.
- AWS DRS trusted account features are supported only between AWS accounts within the AWS European Sovereign Cloud partition.
- Legacy operating systems that require Xen-based instances are not available.
- The Post Launch Actions feature is not available.
- The following Windows boot mode and licensing configurations are not available. BIOS boot mode without BYOL is supported.
 - UEFI boot mode
 - BIOS boot mode with Bring Your Own License (BYOL)
 - UEFI boot mode with Bring Your Own License (BYOL)
- The AWS Replication Agent installer must be downloaded from a different S3 bucket URL than what is documented in the standard AWS DRS installation instructions. Use the following URLs instead:
 - Linux: `https://aws-elastic-disaster-recovery-eusc-de-east-1-d6bb2f9e.s3.eusc-de-east-1.amazonaws.eu/latest/linux/aws-replication-installer-init`
 - Windows: `https://aws-elastic-disaster-recovery-eusc-de-east-1-d6bb2f9e.s3.eusc-de-east-1.amazonaws.eu/latest/windows/AwsReplicationWindowsInstaller.exe`
- AWS DRS uses the following AWS services in AWS European Sovereign Cloud. For information about differences for each service, see the individual service topic.
 - [Amazon EC2](#)
 - [AWS Key Management Service](#)
 - [Amazon EBS](#)
 - [Amazon VPC](#)
 - [AWS Direct Connect](#)
 - [AWS Site-to-Site VPN](#)
 - [AWS Systems Manager](#)
 - [Amazon CloudWatch](#)

Documentation

- [AWS Elastic Disaster Recovery](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Elastic Load Balancing (ELB) in AWS European Sovereign Cloud

This topic describes the functionality of Elastic Load Balancing (ELB) in the AWS European Sovereign Cloud Region.

Elastic Load Balancing automatically distributes your incoming traffic across multiple targets, such as EC2 instances, containers, and IP addresses, in one or more Availability Zones. It monitors the health of its registered targets and routes traffic only to the healthy targets. You can select the type of load balancer that best suits your needs.

How Amazon ELB differs

The following differences apply to ELB:

- ALB Trust Store, ALB mTLS are not available.
- Outpost is not available.
- Load Balancer Capacity Unit (LCU) Reservation differs by product:
 - ALB: enabled.
 - NLB and GWLB: not enabled.
- ALB service endpoint is `https://aws-elb-public-keys-prod-eusc-de-east-1.s3.eusc-de-east-1.amazonaws.eu/{key-id}`

Documentation

- [Elastic Load Balancing \(ELB\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon ElastiCache in AWS European Sovereign Cloud

Amazon ElastiCache makes it easy to set up, manage, and scale distributed in-memory cache environments in the AWS Cloud. It provides a high-performance, resizable, and cost-effective in-memory cache, while removing the complexity associated with deploying and managing a distributed cache environment.

How Amazon ElastiCache differs

The following differences apply to ElastiCache:

- The following are the supported Amazon EC2 instance types for ElastiCache:

Instance Family	Instance Types
General purpose	cache.m7g.large cache.m7g.xlarge cache.m7g.2xlarge cache.m7g.4xlarge cache.m7g.8xlarge cache.m7g.12xlarge cache.m7g.16xlarge
	cache.t4g.micro cache.t4g.small cache.t4g.medium
Memory-optimized	cache.r7g.large cache.r7g.xlarge cache.r7g.2xlarge cache.r7g.4xlarge cache.r7g.8xlarge cache.r7g.12xlarge cache.r7g.16xlarge

- The following are the supported ElastiCache versions for Valkey, Redis OSS, and Memcached engines:

Engine	ElastiCache Versions
Valkey	7.2.6 8.0 8.1
Redis OSS	7.1

Engine	ElastiCache Versions
Memcached	1.6.17 1.6.22

- The following ElastiCache features are not available:
 - Global Datastore
 - Data tiering

Documentation

- [Amazon ElastiCache](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon EMR in AWS European Sovereign Cloud

Amazon EMR helps you analyze and process vast amounts of data by distributing the computational work across a cluster of virtual servers running in the AWS cloud. The cluster is managed using an open-source framework called Hadoop. Amazon EMR lets you focus on processing and analyzing your data without having to worry about time-consuming set up, management, and tuning of Hadoop clusters or the compute capacity they rely on.

How Amazon EMR differs

The following differences apply to Amazon EMR:

AWS European Sovereign Cloud Specific Information

Release Versions

The following release versions are available:

7.x supported versions

The following 7.x release versions are available:

- 7.8.0 Additional 7.x release versions will be made available in subsequent updates.

6.x supported versions

The following 6.x release versions are available:

- 6.15.0 Additional 6.x release versions will be made available in subsequent updates.

5.x supported versions

The following 5.x release versions are available:

- 5.36.2 Additional 5.x release versions will be made available in subsequent updates.

To determine the current available release versions in AWS European Sovereign Cloud, use the following AWS CLI command:

```
aws emr list-release-labels --region eusc-de-east-1
```

This command retrieves the release labels of Amazon EMR services available in the region where the API is called.

Instance Types

Amazon EMR in AWS European Sovereign Cloud works to support a wide array of EC2 instance types that are available in the region, though there may be some lag between EC2 instance type availability and EMR support. Instance availability is subject to capacity and demand in the specified region and Availability Zone.

For more information about EC2 instance types, see [EC2 Instance Types](#).

To get the most current list of supported instance types for EMR in AWS European Sovereign Cloud, you can use the AWS CLI command `list-supported-instance-types`. For more information, see [list-supported-instance-types](#) in the *AWS CLI Command Reference*. For example, to list supported instance types for a specific EMR release version:

```
aws emr list-supported-instance-types --release-label emr-6.15.0 --region eusc-de-east-1
```

To determine which instance types are currently supported by EC2 in the region, use the following AWS CLI command:

```
aws ec2 describe-instance-types --region eusc-de-east-1
```

This command describes the available instance types in the current region and can be filtered as needed.

General Differences for AWS European Sovereign Cloud

- Managed scaling is not available.
- EMR Serverless is not available.
- EMR on EKS is not available.
- EMR Notebooks is not available.
- Docker containers are not available.

Documentation

- [Amazon EMR](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon End User Messaging in AWS European Sovereign Cloud

This topic describes the functionality of Amazon End User Messaging in the AWS European Sovereign Cloud Region.

AWS End User Messaging is an application-to-person (A2P) SMS, MMS, and voice messaging service which provides the global scale, resiliency, and flexibility required to deliver SMS messaging in any web, mobile, or business applications.

How Amazon End User Messaging differs

The following differences apply to Amazon End User Messaging:

- AWS End User Messaging Voice is not available.
- AWS End User Messaging Social is not available.
- AWS End User Messaging push notifications are not available.
- Amazon Pinpoint push notifications are not available.

Documentation

- [AWS End User Messaging SMS](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon EventBridge in AWS European Sovereign Cloud

This topic describes the functionality of Amazon EventBridge in the AWS European Sovereign Cloud Region.

Amazon EventBridge is a serverless event bus service that makes it easy to connect your applications with data from a variety of sources. EventBridge delivers a stream of real-time data from your own applications, software-as-a-service (SaaS) applications, and AWS services and routes that data to targets such as AWS Lambda. You can set up routing rules to determine where to send your data to build application architectures that react in real time to all of your data sources. EventBridge enables you to build event-driven architectures that are loosely coupled and distributed.

How Amazon EventBridge differs

The following differences apply to EventBridge:

- The Private APIs feature for Amazon EventBridge API Destinations is not available.
- The Schema Discovery feature for Amazon EventBridge Schemas is not available.

Documentation

- [Amazon EventBridge](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon FSx in AWS European Sovereign Cloud

Amazon FSx makes it easy and cost effective to launch and run popular file systems. With Amazon FSx, you can leverage the rich feature sets and fast performance of widely-used open source

and commercially-licensed file systems, while avoiding time-consuming administrative tasks like hardware provisioning, software configuration, patching, and backups. It provides cost-efficient capacity and high levels of reliability, and it integrates with other AWS services so that you can manage and use the file systems in cloud-native ways. Amazon FSx let you choose between four widely-used file systems: Lustre, NetApp ONTAP, OpenZFS, and Windows File Server.

How Amazon FSx differs

The following differences apply to Amazon FSx:

- For Amazon FSx for Lustre, the following features aren't available:
 - Elastic Fabric Adapter (EFA)
 - HDD storage class
 - Intelligent-Tiering storage class
 - Scratch deployment type
- For Amazon FSx for NetApp ONTAP, the following features are not available:
 - Scale-out deployment type
- For Amazon FSx for OpenZFS, the following features aren't available:
 - Intelligent-Tiering storage class
 - Amazon S3 access points
- Amazon File Cache is not available.

Documentation

- [Amazon FSx](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Glue in AWS European Sovereign Cloud

This topic describes the functionality of AWS Glue in the AWS European Sovereign Cloud Region.

AWS Glue is a scalable, serverless data integration service that makes it easy to discover, prepare, and combine data for analytics, machine learning, and application development.

How AWS Glue differs

There are no differences for this service.

Documentation

- [AWS Glue](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon GuardDuty in AWS European Sovereign Cloud

This topic describes the functionality of Amazon GuardDuty in the AWS European Sovereign Cloud Region.

Amazon GuardDuty is a continuous security monitoring service. Amazon GuardDuty can help to identify unexpected and potentially unauthorized or malicious activity in your AWS environment.

How Amazon GuardDuty differs

The following differences apply to GuardDuty:

- [AI Protection](#) and its associated finding types and APIs are not available.
- [Malware Protection for AWS Backup](#) and its associated finding types and APIs
- Preview of [GuardDuty Investigation](#) and its associated APIs are not available.
- [Custom Detection Rules](#) and its associated finding types and APIs are not available.
- [Managing GuardDuty accounts with organization policies](#) is not available.
- The following IAM finding type is not available:
 - [CredentialAccess:IAMUser/CompromisedCredentials](#)

Documentation

- [Amazon GuardDuty](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Health in AWS European Sovereign Cloud

This topic describes the functionality of AWS Health in the AWS European Sovereign Cloud Region.

AWS Health provides personalized information about events that can affect your AWS infrastructure, guides you through scheduled changes, and accelerates the troubleshooting of issues that affect your AWS resources and accounts.

How AWS Health differs

The following differences apply to Health Dashboard:

- You can navigate to the [AWS Health Dashboard - Service health](#) page to view the health of all AWS services without signing in to your AWS account.

Documentation

- [AWS Health Dashboard](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS IAM Identity Center in AWS European Sovereign Cloud

This topic describes the functionality of IAM Identity Center in the AWS European Sovereign Cloud Region.

IAM Identity Center is the recommended service for managing workforce access to AWS applications. It enables you to connect your existing source of workforce identities to AWS once and to offer your users a single sign-on experience across AWS. It powers the personalized experiences provided by AWS applications, and the ability to define and audit user-aware access to data in AWS services. It can also help you manage access to multiple AWS accounts from a central place.

How AWS IAM Identity Center differs

The following differences apply to IAM Identity Center:

- IAM Identity Center integrates with AWS Organizations to manage access across your AWS accounts, and therefore, IAM Identity Center is subject to any AWS Organizations AWS European Sovereign Cloud differences.
- IAM Identity Center supports both IPv4 only and dual-stack endpoints in the AWS European Sovereign Cloud.
- The IPv4 only AWS access portal URL has an AWS European Sovereign Cloud URL pattern of `https://{IAM-Identity-Center-instance-ID}.eusc-de-east-1.portal.amazonaws.eu`. The dual-stack AWS access portal URL is `https://{IAM-Identity-Center-instance-ID}.portal.eusc-de-east-1.app.amazonaws.eu`. You can find the URLs on the Settings page in the IAM Identity Center console.
- Custom aliases for AWS access portal URL are not available.
- The Amazon Resource Name (ARN) for your IAM Identity Center instance has an AWS European Sovereign Cloud pattern of `arn:aws-eusc:sso:::instance/{IAM-Identity-Center-instance-ID}`. You can find this ARN on the Settings page in the IAM Identity Center console.
- The ARNs for IAM Identity Center permission sets have an AWS European Sovereign Cloud pattern of `arn:aws-eusc:sso:::permissionSet/{IAM-Identity-Center-instance-ID}/{PermissionSet-ID}`. You can find these ARNs on the Permission sets tab under the AWS accounts page in the IAM Identity Center console.
- The email address `no-reply@sso.signin.amazonaws-eusc.eu` is used for sending email-verification, password reset, and user invitation emails to AWS European Sovereign Cloud. The email address `no-reply@signin.amazonaws-eusc.eu` is used for sending forgotten password emails.
- Multi-Region support is presently not available.
- IAM Identity Center integrates with AWS applications to provide single sign-on and centralized identity and access management for those applications. The AWS capabilities page lists the AWS applications available in the AWS European Sovereign Cloud. Refer to the AWS European Sovereign Cloud-specific user guide of an AWS application for details on its integration with IAM Identity Center.
- If you filter access to specific AWS domains by using a web content filtering solution such as next-generation firewalls (NGFW) or Secure Web Gateways (SWG), you must add the following domains to your web-content filtering solution allowlists. Doing so enables you to access your AWS access portal.

IPv4 only domains:

- `[Identity Center instance ID].[Region].portal.amazonaws.eu`
- `*.aws.dev`
- `*.awsstatic.eu`
- `*.console.a2z.eu`
- `oidc.[Region].amazonaws.eu`
- `static.global.applicationcatalog.amazonaws.eu`
- `*.sso.[Region].amazonaws.eu`
- `*.sso.amazonaws.eu`
- `[Region].signin.amazonaws-eusc.eu`
- `signin.amazonaws-eusc.eu`
- `[Region].threat-mitigation.aws.eu`
- `amcs-captcha-prod-[Region].s3.dualstack.[Region].amazonaws.eu`
- For dual-stack (IPv4 and IPv6) endpoint access, you must also add the following domains to your web-content filtering solution allowlists:
 - `[Identity Center instance ID].portal.[Region].app.amazonawsservices.eu`
 - `*.aws.dev`
 - `*.awsstatic.eu`
 - `*.console.a2z.eu`
 - `oidc.[Region].api.amazonawsservices.eu`
 - `static.global.applicationcatalog.amazonaws.eu`
 - `*.sso.[Region].api.amazonawsservices.eu`
 - `[Region].sso.signin.amazonaws-eusc.eu`
 - `*.signin.amazonaws-eusc.eu`
 - `[Region].threat-mitigation.aws.eu`
 - `amcs-captcha-prod-[Region].s3.dualstack.[Region].amazonaws.eu`

Documentation

- [AWS IAM Identity Center](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

IAM Roles Anywhere in AWS European Sovereign Cloud

This topic describes the functionality of IAM Roles Anywhere in the AWS European Sovereign Cloud Region.

You can use AWS Identity and Access Management (IAM) Roles Anywhere to obtain temporary security credentials in IAM for workloads such as servers, containers, and applications that run outside of AWS. Your workloads can use the same IAM policies and IAM roles that you use with AWS applications to access AWS resources.

How IAM Roles Anywhere differs

The following differences apply to IAM Roles Anywhere:

- Amazon Resource Names (ARNs) and endpoints have different values.
- There is no IAM Roles Anywhere dual-stack endpoint.
- There is no AWS STS global endpoint in AWS European Sovereign Cloud. AWS provides Regional AWS STS endpoints.
- AWS X-Ray integration with IAM Roles Anywhere is not available.

Credential Helper Downloads

The AWS signing helper for IAM Roles Anywhere is available for download from the following URLs:

X86_64 Architecture

- [Linux Amzn2023](#)
- [Windows Server2022](#)
- [macOS Sonoma](#)

ARM64/Aarch64 Architecture

- [Linux Amzn2023](#)
- [macOS Sonoma](#)

Documentation

- [IAM Roles Anywhere](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

IAM and IAM Access Analyzer in AWS European Sovereign Cloud

This topic describes the functionality of IAM and IAM Access Analyzer in the AWS European Sovereign Cloud Region.

AWS Identity and Access Management (IAM) is a web service for securely controlling access to AWS services. With IAM, you can centrally manage users, security credentials such as access keys, and permissions that control which AWS resources users and applications can access.

How AWS Identity and Access Management differs

The following differences apply to IAM and IAM Access Analyzer:

- There is no AWS STS global endpoint in the AWS European Sovereign Cloud Region. AWS provides Regional AWS STS endpoints.
- Only some AWS services support service-linked roles in the AWS European Sovereign Cloud Region. For information about which services support using service-linked roles, see [AWS Services That Work with IAM](#) and look for the services that have Yes in the Service-Linked Role column. To learn whether the service supports service-linked roles in a specific region, choose the Yes link to view the service-linked role documentation for that service.
- Amazon Resource Names (ARNs) and endpoints have different values.
- Service Quotas integration for IAM is not available.
- Independent Service Vendor Delegated Access support is not available.
- JWT assertions are not available.
- PrivateLink for AWS Sign-In is not available.
- Console credentials for local development (`aws login` command) are not available.

Documentation

- [IAM and IAM Access Analyzer](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Kinesis Data Streams in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Kinesis Data Streams in the AWS European Sovereign Cloud Region.

Amazon Kinesis makes it easy to collect, process, and analyze video and data streams in real time.

How Amazon Kinesis Data Streams differs

The following differences apply to Kinesis Data Streams:

- Record sizes > 1MiB are not available for Amazon Kinesis Data Streams.

Documentation

- [Amazon Kinesis Data Streams](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Key Management Service (AWS KMS) in AWS European Sovereign Cloud

This topic describes the functionality of AWS Key Management Service (AWS KMS) in the AWS European Sovereign Cloud Region.

AWS Key Management Service (AWS KMS) is an encryption and key management service scaled for the cloud. AWS KMS keys and functionality are used by other AWS services, and you can use them to protect data in your own applications that use AWS.

How AWS Key Management Service differs

The following differences apply to AWS KMS:

- The AWS CloudHSM key stores feature is not available.

Documentation

- [AWS Key Management Service \(AWS KMS\) documentation](#)
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Lake Formation in AWS European Sovereign Cloud

This topic describes the functionality of AWS Lake Formation in the AWS European Sovereign Cloud Region.

AWS Lake Formation is a managed service that makes it easy to set up, secure, and manage your data lakes. Lake Formation helps you discover your data sources and then catalog, cleanse, and transform the data. You can use Lake Formation to secure the data and ingest it into an Amazon Simple Storage Service (Amazon S3) data lake.

How AWS Lake Formation differs

The following differences apply to Lake Formation:

- Creating multi-level catalogs is not available.
- AWS IAM Identity Center integration with Lake Formation is not available.
- LF-Tag expressions for metadata access control are not available.
- Apache Iceberg table optimization is not available.
- Writing Delta Lake table metadata to the AWS Glue Data Catalog using crawlers is not available.
- Amazon SageMaker Lakehouse unified data connectivity is not available for crawlers.
- Creating Amazon Redshift federated catalogs is not available.
- Support for AWS PrivateLink is not available.

Documentation

- [AWS Lake Formation](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Lambda in AWS European Sovereign Cloud

This topic describes the functionality of AWS Lambda in the AWS European Sovereign Cloud Region.

With AWS Lambda, you can run code without provisioning or managing servers. You pay only for the compute time that you consume—there's no charge when your code is not running. You can run code for virtually any type of application or backend service—all with zero administration. Just upload your code and Lambda takes care of everything required to run and scale your code with high availability.

How AWS Lambda differs

The following differences apply to Lambda:

- Lambda support for AWS PrivateLink is not available.
- Function URLs is not available.
- The following event sources are not available: Apache Kafka Amazon MQ for ActiveMQ and Rabbit MQ Amazon DocumentDB
- X-Ray Integration is not available.
- Python and .NET runtimes are not available when using Lambda SnapStart.

Documentation

- [AWS Lambda](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS License Manager in AWS European Sovereign Cloud

This topic describes the functionality of AWS License Manager in the AWS European Sovereign Cloud Region.

AWS License Manager streamlines the process of bringing software vendor licenses to the AWS Cloud. As you build out cloud infrastructure on AWS, you can save costs by repurposing your existing license inventory for use with cloud resources. License Manager reduces the risk of licensing overages and penalties with inventory tracking that is tied directly to AWS resources.

How AWS License Manager differs

The following differences apply to License Manager:

- Server Manageability is not available.
- User-based Subscriptions is not available.
- Linux Subscriptions is not available.

Documentation

- [AWS License Manager](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Linux in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Linux in the AWS European Sovereign Cloud Region.

How Amazon Linux differs

There are no differences for this service.

Documentation

- [Amazon Linux](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud

- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Managed Service for Apache Flink in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Managed Service for Apache Flink in the AWS European Sovereign Cloud Region.

With Amazon Managed Service for Apache Flink, you can use Java, Scala, or SQL to process and analyze streaming data. The service enables you to author and run code against streaming sources to perform time-series analytics, feed real-time dashboards, and create real-time metrics.

How Amazon Managed Service for Apache Flink differs

The following differences apply to Amazon Managed Service for Apache Flink:

- Key Management Service - Customer Managed Keys for Amazon Managed Service for Apache Flink is not available.

Documentation

- [Amazon Managed Service for Apache Flink](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon MQ in AWS European Sovereign Cloud

This topic describes the functionality of Amazon MQ in the AWS European Sovereign Cloud Region.

Amazon MQ is a managed message broker service that makes it easy to set up and operate message brokers in the cloud. Amazon MQ provides interoperability with your existing applications and services without the need to manage, operate, or maintain your own messaging system.

How Amazon MQ differs

The following differences apply to Amazon MQ:

- Amazon MQ for ActiveMQ is not available. Only Amazon MQ for RabbitMQ is supported.
- RabbitMQ 4.2 is the only supported engine version.
- Only m7g instance types (m7g.medium, m7g.large, m7g.xlarge, m7g.2xlarge, m7g.4xlarge, m7g.8xlarge, m7g.12xlarge, m7g.16xlarge) are supported.

Documentation

- [Amazon MQ](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Managed Streaming for Apache Kafka (Amazon MSK) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Managed Streaming for Apache Kafka (Amazon MSK) in the AWS European Sovereign Cloud Region.

Amazon Managed Streaming for Apache Kafka (Amazon MSK) is a fully managed service that makes it easy for you to build and run applications that use Apache Kafka to process streaming data.

How Amazon Managed Streaming for Apache Kafka (MSK) differs

The following differences apply to Amazon MSK:

- MSK Provisioned Express Brokers is not available.
- MSK Serverless is not available.
- MSK Replicator is not available.
- MSK Connect is not available.

Documentation

- [Amazon Managed Streaming for Apache Kafka \(Amazon MSK\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Management Console in AWS European Sovereign Cloud

This topic describes the functionality of AWS Management Console in the AWS European Sovereign Cloud Region.

The AWS Management Console provides a unified interface for accessing and interacting with a wide range of AWS services. As well as providing intuitive tools for discovering new services, the console keeps track of your recently visited services and your favorites. You can also customize your home page experience by adding widgets that organize options around themes such as service health, cost and usage, and solution wizards.

How AWS Management Console differs

The following differences apply to the console:

- The only widgets currently available in Console Home are the Welcome to AWS, Recently visited, AWS Health, Cost and usage, and the Favorites widget.
- User Experience Customization is not available.

Documentation

- [AWS Management Console](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Marketplace in AWS European Sovereign Cloud

This topic describes the functionality of AWS Marketplace in the AWS European Sovereign Cloud Region.

AWS Marketplace is an online store where you can buy or sell software that runs on Amazon Web Services.

How AWS Marketplace differs

The following differences apply to AWS Marketplace:

Container Features

- Container product type Self-Service listings are not available.
- Container product type private offers are not available.
- Container product type Consulting Partner Private Offer (CPPO) feature is not available.
- Containers Quick Launch feature is not available.
- EKS add-on (Sleek) feature is not available.

Container Pricing Models

- Bring Your Own License (BYOL) pricing for Containers is not available.
- Free trials for Container product types are not available.
- Hourly pricing for Containers is not available.
- Hourly plus long-term contract pricing for Containers is not available.
- Custom metered pricing for Containers is not available.
- Contract pricing using AWS License Manager for Containers is not available.
- Flexible payment scheduler for Containers is not available.
- Monthly pricing for Containers is not available.

AMI Pricing Models

- Custom metered pricing is not available.
- Contracts pricing using AWS License Manager for AMI is not available.
- Flexible payment scheduler for AMI is not available.
- Monthly pricing for AMI is not available.
- Hourly plus long-term contract pricing for AMI is not available.

Machine Learning Features

- Machine Learning Self-Service listings are not available.

AWS Data Exchange Features

- AWS Data Exchange Self-Service listings are not available.

SaaS Features

- Vendor Insights is not available.
- SaaS Quick Launch feature is not available.
- Vendor metered tags feature is not available.

SaaS Pricing Models

- Free trials for SaaS product type are not available.
- Flexible payment scheduler for SaaS product type is not available.
- SaaS subscription (pay-as-you-go) pricing is not available.

Seller Features

- Agreements based offer feature is not available for listings.
- Agreements tab is not available for listings.
- Business Intelligence Reporting is not available.
- Seller-initiated Cancellation and Billing Adjustment (SCABA) feature is not available.
- Multi-Product Offer Sets (MPO Sets) feature is not available.
- Concurrent Agreements feature is not available.
- Taxation Dashboard is not available.
- Listing Performance Dashboard is not available.
- Bulk listing tools are not available.
- Release notes generator feature is not available.

Buyer Features

- Marketplace website is not available. Marketplace buyers will use the Marketplace Console to search, discover, procure, and fulfill product listings.

- Request Product Demo feature is not available.
- Request Private Offer feature is not available.
- Similar Products feature is not available.
- Deploy with AWS badge on product listings is not available.
- Product Comparison feature is not available.
- Private Marketplace (PMP) feature is not available.
- Managed Entitlements feature is not available.
- Cost allocation tagging feature is not available.
- Procurement system integrations feature is not available.
- Product reviews feature is not available.
- SaaS Quick Launch for buyers is not available.
- AWS PrivateLink integration is not available.
- Managed License Manager (buyer-console hand-off) is not available.
- Free Trials are not available as a native feature. Sellers can use a \$0 Private Offer as a workaround.

Professional Services

- Professional services product type is not available. AWS European Sovereign Cloud requires all products to be deployed on AWS infrastructure.

Documentation

- [AWS Marketplace](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Neptune in AWS European Sovereign Cloud

This topic describes the functionality of Neptune in the AWS European Sovereign Cloud Region.

Neptune is a fast, reliable, fully managed graph database service that makes it easy to build and run applications that work with highly connected datasets. The core of Neptune is a purpose-built,

high-performance graph database engine that is optimized for storing billions of relationships and querying the graph with milliseconds of latency. Neptune supports two popular property-graph query languages, Gremlin and openCypher, as well as SPARQL for RDF data. These can help you build queries that efficiently navigate highly connected datasets. You can use Neptune for graph use cases such as recommendation engines, fraud detection, knowledge graphs, drug discovery, and network security.

How Neptune differs

The following differences apply to Neptune:

- The Neptune workbench Jupyter notebooks are not available.
- Cross-region replication, such as using DB snapshot copying, is not available.
- Global databases are not available.
- Neptune Analytics is not available.
- The list of available DB instance classes is at [Amazon Neptune Pricing](#).
- Engine version support is different from the commercial Regions. To list the supported engine versions for Neptune, run the following CLI command:

```
aws neptune describe-db-engine-versions --engine neptune --query "*[  
{Engine:Engine,EngineVersion:EngineVersion}]" --output text
```

Documentation

- [Amazon Neptune](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Network Firewall in AWS European Sovereign Cloud

AWS Network Firewall is a stateful managed network firewall and intrusion detection and prevention service for your virtual private cloud (VPC).

How AWS Network Firewall differs

The following differences apply to Network Firewall:

- Prefix lists are not available.
- [Amazon Resource Names \(ARNs\)](#) use the `aws-eusc` partition prefix instead of `aws`.
- [Service endpoints](#) use the `.amazonaws.eu` domain suffix (for example, `network-firewall.eusc-de-east-1.amazonaws.eu`).

Documentation

The following documentation is based on the public AWS documentation. As you read this documentation, you should consider how Network Firewall differs for AWS European Sovereign Cloud, as described in this topic. Also, some features and new functionality described in this documentation might not be available in the current release of AWS European Sovereign Cloud. There are other differences such as links, endpoints, and screenshots.

- [AWS Network Firewall Developer Guide](#)
- [AWS Network Firewall API Reference](#)

Amazon OpenSearch Service in AWS European Sovereign Cloud

This topic describes the functionality of Amazon OpenSearch Service in the AWS European Sovereign Cloud Region.

Amazon OpenSearch Service is a managed service that makes it easy to deploy, operate, and scale OpenSearch, a popular open-source search and analytics engine. OpenSearch Service also offers security options, high availability, data durability, and direct access to the OpenSearch API.

How Amazon OpenSearch Service differs

The following differences apply to OpenSearch Service:

Supported Features

- Available OpenSearch Versions Include: 1.0, 1.1, 1.2, 1.3, 2.3, 2.5, 2.7, 2.9, 2.11, 2.13, 2.15, 2.17, 2.19
- Available Elasticsearch Versions Include: 5.1, 5.3, 5.5, 5.6, 6.0, 6.2, 6.3, 6.4, 6.5, 6.7, 6.8, 7.1, 7.4, 7.7, 7.8, 7.9, 7.10

Region	Available Instance Types
eusc-de-east-1	c7i, m7i, r7i, r7gd, i4i, c7g, r7g, m7g

Current Limitations

- Kibana Authentication with Amazon Cognito is not available.
- Amazon OpenSearch Serverless is not available.
- OpenSearch Integrations is not available.
- Semantic OpenSearch is not available.
- Connection Mode for Cross-Cluster Connection - VPC Endpoint is not available.
- Direct query for Security Lake is not available.
- Custom Plugins are not available.
- OpenSearch UI (Neo UI) is not available.
- Search Pipelines is not available.
- 1K Cluster Support is not available.
- Cross cluster Search - Inter Region is not available.
- Cosine Similarity is not available.
- OpenSearch Ingestion is not available.
- Optional plugins are not available.
- Third-party plugins are not available.
- Domain Configuration Dry Run Verbose is not available.
- Dedicated Coordinator nodes are not available.

Documentation

- [Amazon OpenSearch Service](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Organizations in AWS European Sovereign Cloud

This topic describes the functionality of AWS Organizations in the AWS European Sovereign Cloud Region.

AWS Organizations helps you centrally manage and govern your environment as you grow and scale your AWS resources. Using Organizations, you can create accounts and allocate resources, group accounts to organize your workflows, apply policies for governance, and simplify billing by using a single payment method for all of your accounts. Organizations also integrates with select other AWS services, which allows you to use multi-account experiences for those services.

How AWS Organizations differs

- [Amazon Resource Names in AWS European Sovereign Cloud](#) and [endpoints](#) have different values.
- AWS Organizations email notifications are disabled. To confirm an action has successfully completed, look for confirmation notifications directly in the AWS Organizations console.
- [Backup policies](#), [tag policies](#), [AI services opt-out policies](#), and [chat applications policies](#) are not available.
- Some AWS services might not be available for trusted access. To see the full list of AWS services that can be enabled for trusted access, open the AWS Organizations console, and then choose **Services**.

Documentation

The following documentation is based on the public AWS documentation. As you read this documentation, you should consider how Organizations differs for AWS European Sovereign Cloud, as described in this topic. Also, some features and new functionality described in this documentation might not be available in the current release of AWS European Sovereign Cloud. There are other differences, such as links, endpoints, and screenshots.

- [AWS Organizations](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Polly in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Polly in the AWS European Sovereign Cloud.

Amazon Polly is a Text-to-Speech (TTS) cloud service that converts text into lifelike speech. You can use Amazon Polly to develop applications that increase engagement and accessibility. Amazon Polly supports multiple languages and includes a variety of lifelike voices, so you can build speech-enabled applications that work in multiple locations and use the ideal voice for your customers.

How Amazon Polly differs

There are no differences for this service.

Documentation

- [Amazon Polly](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Private Certificate Authority in AWS European Sovereign Cloud

This topic describes the functionality of AWS Private Certificate Authority in the AWS European Sovereign Cloud Region.

AWS Private Certificate Authority (AWS Private CA) is a hosted private certificate authority service to issue and revoke digital certificates deployed in your organization's private PKI, including on AWS managed resources and in the Internet of Things.

How AWS Private Certificate Authority differs

There are no differences for this service.

Documentation

- [AWS Private Certificate Authority](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud

- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Relational Database Service (Amazon RDS) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Relational Database Service (Amazon RDS) in the AWS European Sovereign Cloud Region.

Amazon Relational Database Service (Amazon RDS) is a web service that makes it easier to set up, operate, and scale a relational database in the cloud. It provides cost-efficient, resizable capacity for an industry-standard relational database and manages common database administration tasks. Amazon Aurora is a fully managed relational database engine that's built for the cloud and compatible with MySQL and PostgreSQL. Amazon Aurora is part of Amazon RDS.

How Amazon RDS differs

The following differences apply to Amazon RDS:

- RDS Snapshot cross-Region auto backup is not available.
- RDS Cross Region Read Replicas are not available.
- RDS Recommendations Hub is not available.
- RDS 1-click move to managed using DMS is not available.
- Volume Shrink is not available.
- Zero-ETL is not available.
- Amazon RDS for PostgreSQL - RDS Extended Support is not available.
- Dedicated Log Volume is not available.
- Amazon RDS Custom for SQL Server is not available.
- Amazon RDS Custom for Oracle is not available.
- Amazon Relational Database Service for Db2 is not available.
- Database Activity Stream is not available.
- Dual-stack mode (IPv4 and IPv6) is not available.
- eusc-de-east-1 uses the following time block as the default backup window: 02:00—10:00 UTC.
- eusc-de-east-1 uses the following time block as the default maintenance window: 0:2:0 - 0:10:0.
- 1-click connect to EC2 instance in RDS Easy Create workflow is not available.

Features not available for Aurora PostgreSQL

- Global Databases (eusc-de-east-1 is in a single region partition)
- Optimized Reads
- I/O-Optimized cluster storage configuration
- Zero-ETL
- Aurora PostgreSQL - RDS Extended Support
- AWS Secrets Manager Integration
- Kerberos/Active Directory integration

Features not available for Aurora MySQL

- Global Databases (eusc-de-east-1 is in a single region partition)
- Optimized Reads
- I/O-Optimized cluster storage configuration
- Zero-ETL
- Aurora MySQL - RDS Extended Support
- AWS Secrets Manager Integration
- Kerberos/Active Directory integration

Documentation

- [Amazon Relational Database Service \(Amazon RDS\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Redshift in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Redshift in the AWS European Sovereign Cloud Region.

Amazon Redshift is a fast, fully managed, petabyte-scale data warehouse service that makes it simple and cost-effective to efficiently analyze all your data using your existing business

intelligence tools. It is optimized for datasets ranging from a few hundred gigabytes to a petabyte or more and costs less than \$1,000 per terabyte per year, a tenth the cost of most traditional data warehousing solutions.

How Amazon Redshift differs

The following differences apply to Amazon Redshift:

- Auto Copy is not available.
- DynamoDB zero-ETL integration with Amazon Redshift is not available.
- User-Defined Functions (Lambda) is not available.
- Concurrency Scaling is not available.
- Amazon Redshift Query Editor v2 is not available.
- Federated Queries is not available.
- PrivateLink Support is not available.
- Data Sharing is not available.
- Amazon Redshift ML is not available.
- Amazon Bedrock Integration is not available.

Documentation

- [Amazon Redshift](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Resource Access Manager in AWS European Sovereign Cloud

This topic describes the functionality of AWS Resource Access Manager in the AWS European Sovereign Cloud Region.

How AWS Resource Access Manager differs

There are no differences for this service.

Documentation

- [AWS Resource Access Manager](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Resource Groups in AWS European Sovereign Cloud

This topic describes the functionality of AWS Resource Groups in the AWS European Sovereign Cloud Region.

AWS Resource Groups is the service that enables you to organize your AWS resources into *resource groups*, which can help you manage and automate tasks on large numbers of resources at one time.

How AWS Resource Groups differs

The following differences apply to AWS Resource Groups:

- Group lifecycle events are not available.
- Service-linked resource groups (configuration types and parameters) are not available.
- The Tag Editor console is not available.
- IPv6 is not available.
- [Amazon Resource Names \(ARNs\)](#) and [endpoints](#) have different values.

Documentation

- [AWS Resource Management](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Route 53 in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Route 53 in the AWS European Sovereign Cloud Region.

Amazon Route 53 is a highly available and scalable Domain Name System (DNS) web service.

How Amazon Route 53 differs

The following differences apply to Route 53:

- Registering domain names is not available. To delegate domains in the AWS European Sovereign Cloud (Germany) region, you can register them using a third party registrar of your choice or Amazon Route 53 in the US East (N. Virginia) region.
- Traffic flow is not available.
- Route 53 [alias records](#) are supported as follows:
 - You can alias to another record in the same hosted zone.
 - You can alias to Elastic Load Balancing load balancers.
 - You can alias to a Network Load Balancer.
 - You can alias to a VPC endpoint.
 - You can alias to an Amazon API Gateway endpoint.
 - You can alias to an OpenSearch service.
 - You can alias to an Amazon S3 bucket.
 - You cannot alias to other AWS resources.
- TestDNSAnswer API is not available.
- The customer managed key that you use with DNSSEC signing must be in AWS European Sovereign Cloud (Germany) region.

Documentation

- [Amazon Route 53](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Simple Storage Service (Amazon S3) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Simple Storage Service (Amazon S3) in the AWS European Sovereign Cloud Region.

Amazon Simple Storage Service (Amazon S3) is storage for the internet. You can use Amazon S3 to store and retrieve any amount of data at any time, from anywhere on the web.

How Amazon S3 differs

The following differences apply to Amazon S3:

- S3 Object Lambda is not available.
- S3 Select is not available.
- S3 Multi-Region Access Points is not available.
- S3 Metadata is not available.
- S3 Express One Zone is not available.
- S3 Tables is not available.
- S3 on Outposts is not available.

Amazon S3 website endpoints

When you configure your bucket as a website, the website is available by using the following Region-specific website endpoints. Note that the website endpoints are different than the REST API endpoints listed in the preceding table. For more information about hosting websites on Amazon S3, see *Hosting Websites on Amazon S3* in the Amazon Simple Storage Service User Guide. You need the hosted zone IDs when using the Amazon Route 53 API to add an alias record to your hosted zone.

Note

Amazon S3 website endpoints do not support HTTPS or Amazon S3 Access Points. If you want to use HTTPS, you can use Amazon CloudFront to serve a static website hosted on Amazon S3. For more information, see [Configuring a static website using a custom domain registered with Route 53](#) and [Improving the performance of your website using CloudFront](#) in the *Amazon S3 User Guide*.

Region Name	Region	Endpoint	Protocol	Route 53 Hosted Zone ID
AWS European Sovereign Cloud (Germany)	eusc-de-east-1	s3-website.eusc-de-east-1.amazonaws.eu	HTTP	Z07946532 Z2HP0940LD8G

Documentation

- [Amazon Simple Storage Service \(Amazon S3\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon SageMaker AI in AWS European Sovereign Cloud

This topic describes the functionality of Amazon SageMaker AI in the AWS European Sovereign Cloud Region.

Amazon SageMaker AI is a fully managed platform that provides every developer and data scientist with the ability to build, train, and deploy machine learning (ML) models quickly. SageMaker AI removes the heavy lifting from each step of the machine learning process to make it easier to develop high quality models.

How Amazon SageMaker AI differs

The following differences apply to Amazon SageMaker AI:

- Only the following features are available:
 - Training Jobs - Fast file input mode and IFDP are not supported.
 - Processing Jobs - Processing jobs that use SageMaker Spark Container Images are not supported.
 - Real-time Inference - The following features are not supported:
 - Auto scaling
 - Asynchronous Inference
 - Serverless Inference

- Inference Components
- Studio
 - Authentication using AWS Identity and Access Management is supported; authentication using IAM Identity Center is not supported.
 - Scheduling a notebook job is not supported.
 - Only VPC option is available, and public internet is not available.
- AWS Deep Learning Containers (DLC) - Images are published to a private Amazon ECR registry in AWS European Sovereign Cloud. Use the following information to authenticate to the registry and construct image URIs:
 - Registry account - 204133271717 hosts the DLC images (for example, base and vLLM).
 - ECR login - authenticate to the registry:

```
aws ecr get-login-password --region eusc-de-east-1 | docker login --username AWS  
--password-stdin 204133271717.dkr.ecr.eusc-de-east-1.amazonaws.eu
```

- Image URI format:

```
204133271717.dkr.ecr.eusc-de-east-1.amazonaws.eu/<REPOSITORY>:<TAG>
```

For example, the base repository with the tag runtime-cu130-amzn2023:

```
204133271717.dkr.ecr.eusc-de-east-1.amazonaws.eu/base:runtime-cu130-amzn2023
```

- Available repositories - sagemaker-scikit-learn and sagemaker-xgboost are not available.
- Available tags - only mutable tags are available in this Region. A mutable tag can be repointed to a newer image when a version is patched or updated, so pulling the same tag at a later date may return different image content. Immutable tags, which pin to a fixed, unchanging build, are generally not published, apart from a few exceptions required by specific consumers (for example, the vLLM - v1.x SageMaker tags). To illustrate the mutable-tag scheme:
 - Ubuntu-based vLLM - available tags: 0.25.1-gpu-py312-cu130-ubuntu22.04-ec2, 0.25.1-gpu-py312-ec2. Immutable tags such as 0.25.1-gpu-py312-cu130-ubuntu22.04-ec2-v1.2-2026-07-20-21-30-05 and 0.25-gpu-py312-cu130-ubuntu22.04-ec2-v1 are not available.

- AL2023-based vLLM - available tags: `server-cuda-v2.1`, `server-cuda-v2`, `server-cuda`. Immutable tags such as `server-cuda-v2.1.3` are not available.
- For the full, current list of tags in a repository, use the standard Amazon ECR CLI commands (`aws ecr list-images` / `aws ecr describe-images`) against the `eusc-de-east-1` Region.
- Not all framework versions are actively patched. Versions follow the standard DLC Support Policy - use a currently supported version to ensure you continue receiving security patches.
- Model Cards
- Model Registry
- Pipelines
- Python SDK
- JupyterLab
- Search - Search does not return results for SageMaker AI features that are not available.
- Metrics - Public endpoints are not supported; only internal endpoints are supported.
- Distribution
- Images
- Role Manager

Documentation

- [Amazon SageMaker AI](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Secrets Manager in AWS European Sovereign Cloud

This topic describes the functionality of AWS Secrets Manager in the AWS European Sovereign Cloud Region.

AWS Secrets Manager helps you to securely encrypt, store, and retrieve credentials for your databases and other services. Instead of hardcoding credentials in your apps, you can make calls to Secrets Manager to retrieve your credentials whenever needed. Secrets Manager helps you protect access to your IT resources and data by enabling you to rotate and manage access to your secrets.

How AWS Secrets Manager differs

The following differences apply to Secrets Manager:

- The PrivateLink VPC Endpoint service name is `com.amazonaws.<region name>.secretsmanager`.
- Multi-Region secrets are not available.
- [Amazon Resource Names \(ARNs\)](#) and [endpoints](#) have different values.
- FIPS endpoints are not available.
- Only [Signature Version 4](#) signing is supported.
- AWS Config managed rules for Secrets Manager are not available.
- Managed External Secrets are not available.

Documentation

- [AWS Secrets Manager](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Security Hub CSPM in AWS European Sovereign Cloud

This topic describes the functionality of AWS Security Hub CSPM in the AWS European Sovereign Cloud Region.

AWS Security Hub CSPM provides you with a comprehensive view of the security state of your AWS resources. Security Hub collects security data from across AWS accounts and services, and helps you analyze your security trends to identify and prioritize the security issues across your AWS environment.

How AWS Security Hub differs

The following differences apply to AWS Security Hub CSPM:

- The preview release of the [new Security Hub CSPM](#) is not available. This includes the console and all operations and features that apply exclusively to its correlation, contextualization, and other capabilities.

- When [working with the Summary dashboard](#) on the Security Hub CSPM console, the **Software vulnerabilities with exploits** widget is not available.
- The [AWS Resource Tagging standard](#) and the controls that apply exclusively to this standard are not available.
- Some [Security Hub CSPM controls](#) are not available in the AWS European Sovereign Cloud. On the Security Hub CSPM console, a control does not appear in the list of controls if it is not available in the Region that you are currently signed in to. To programmatically determine whether a control is available in the current Region, you can use the [ListSecurityControlDefinitions](#) operation of the Security Hub CSPM API. To review a list of the Security Hub CSPM controls that are available in the AWS European Sovereign Cloud, expand the following section. For detailed information about a control, see the [Security Hub CSPM control reference](#).

Example

The following Security Hub CSPM controls are available in the AWS European Sovereign Cloud:

- AutoScaling.2
- AutoScaling.6
- CloudTrail.1
- CloudTrail.2
- CloudTrail.3
- CloudTrail.4
- CloudTrail.5
- CloudWatch.1
- CloudWatch.2
- CloudWatch.3
- CloudWatch.4
- CloudWatch.5
- CloudWatch.6
- CloudWatch.7
- CloudWatch.8
- CloudWatch.9

- CloudWatch.10
- CloudWatch.11
- CloudWatch.12
- CloudWatch.13
- CloudWatch.14
- CloudWatch.15
- CloudWatch.16
- CloudWatch.17
- Config.1
- DataFirehose.1
- DocumentDB.2
- DocumentDB.3
- DocumentDB.4
- DocumentDB.5
- DocumentDB.6
- DynamoDB.1
- DynamoDB.2
- DynamoDB.6
- EC2.1
- EC2.2
- EC2.3
- EC2.4
- EC2.6
- EC2.7
- EC2.8
- EC2.9
- EC2.10
- EC2.12
- EC2.13
- EC2.14

- EC2.15
- EC2.16
- EC2.17
- EC2.18
- EC2.20
- EC2.21
- EC2.53
- EC2.54
- EC2.55
- EC2.56
- EC2.57
- EC2.58
- EC2.60
- EC2.171
- EC2.180
- EC2.183
- ECR.1
- ECS.3
- ECS.4
- ECS.5
- ECS.8
- ECS.9
- ECS.10
- ECS.12
- ECS.17
- ECS.18
- ECS.20
- ECS.21
- EFS.6
- ElastiCache.2

- [ELB.1](#)
- [ELB.4](#)
- [ELB.5](#)
- [ELB.6](#)
- [ELB.9](#)
- [ELB.10](#)
- [ELB.12](#)
- [ELB.13](#)
- [ELB.14](#)
- [EMR.2](#)
- [FSx.1](#)
- [FSx.3](#)
- [FSx.4](#)
- [FSx.5](#)
- [GuardDuty.5](#)
- [GuardDuty.6](#)
- [GuardDuty.8](#)
- [GuardDuty.10](#)
- [GuardDuty.11](#)
- [GuardDuty.12](#)
- [IAM.20](#)
- [IAM.28](#)
- [KMS.4](#)
- [KMS.5](#)
- [Lambda.1](#)
- [Lambda.2](#)
- [Lambda.3](#)
- [Lambda.5](#)
- [Lambda.7](#)
- [Neptune.1](#)

- Neptune.2
- Neptune.4
- Neptune.6
- Neptune.7
- Neptune.8
- NetworkFirewall.1
- NetworkFirewall.3
- NetworkFirewall.4
- NetworkFirewall.5
- NetworkFirewall.6
- NetworkFirewall.9
- NetworkFirewall.10
- PCA.1
- RDS.1
- RDS.2
- RDS.3
- RDS.4
- RDS.5
- RDS.6
- RDS.7
- RDS.8
- RDS.9
- RDS.10
- RDS.11
- RDS.12
- RDS.13
- RDS.15
- RDS.24
- RDS.34
- RDS.36

- [RDS.37](#)
- [RDS.39](#)
- [RDS.41](#)
- [RDS.42](#)
- [RDS.43](#)
- [RDS.44](#)
- [RDS.46](#)
- [Redshift.8](#)
- [Redshift.15](#)
- [Redshift.18](#)
- [S3.1](#)
- [S3.2](#)
- [S3.3](#)
- [S3.5](#)
- [S3.6](#)
- [S3.8](#)
- [S3.9](#)
- [S3.10](#)
- [S3.11](#)
- [S3.12](#)
- [S3.13](#)
- [S3.14](#)
- [S3.15](#)
- [S3.22](#)
- [S3.23](#)
- [SNS.1](#)
- [SNS.4](#)
- [SSM.6](#)
- [SSM.7](#)
- [Transfer.2](#)

- WAF.10
- WAF.12

Documentation

- [AWS Security Hub CSPM](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Service Quotas in AWS European Sovereign Cloud

This topic describes the functionality of Service Quotas in the AWS European Sovereign Cloud Region.

With Service Quotas, you can view and manage your quotas for AWS services from a central location.

How Service Quotas differs

The following differences apply to Service Quotas:

- PrivateLink Support is not available.
- Service Quotas request templates is not available.

Documentation

- [Service Quotas](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Simple Email Service (Amazon SES) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Simple Email Service (Amazon SES) in the AWS European Sovereign Cloud Region.

Amazon Simple Email Service (Amazon SES) is a reliable, scalable, and cost-effective email service. Digital marketers and application developers can use Amazon SES to send marketing, notification, and transactional emails.

How Amazon SES differs

The following differences apply to Amazon SES:

- Global Endpoints is not available.
- SMTP is only available through Mail Manager [ingress endpoints](#).

Documentation

- [Amazon Simple Email Service](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Shield Standard in AWS European Sovereign Cloud

This topic describes the functionality of AWS Shield Standard in the AWS European Sovereign Cloud Region.

AWS provides two levels of protection against DDoS attacks: AWS Shield Standard and AWS Shield Advanced. AWS Shield Standard is automatically included at no extra cost beyond what you already pay for AWS WAF and your other AWS services. For added protection against DDoS attacks, AWS offers AWS Shield Advanced. AWS Shield Advanced provides expanded DDoS attack protection for your Amazon EC2 instances, Elastic Load Balancing load balancers, Amazon CloudFront distributions, and Amazon Route 53 hosted zones.

How Shield Standard differs

There are no differences for this service.

Documentation

- [AWS Shield Standard](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud

- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Signer in AWS European Sovereign Cloud

This topic describes the functionality of AWS Signer in the AWS European Sovereign Cloud Region.

AWS Signer is a fully managed code-signing service to ensure the trust and integrity of your code. Organizations validate code against a digital signature to confirm that the code is unaltered and from a trusted publisher. With AWS Signer, your security administrators have a single place to define your signing environment, including what AWS Identity and Access Management (IAM) role can sign code and in what Regions. AWS Signer manages the code-signing certificate's public and private keys, and enables central management of the code-signing lifecycle.

How AWS Signer differs

The following differences apply to AWS Signer:

- AWS Signer only supports the container image signing feature (platform id: Notation-OCI-SHA384-ECDSA) and Lambda Zip signing feature (platform id: AWSLambda-SHA384-ECDSA) with AWS Signer APIs, the AWS CLI, and the console.
- AWS Signer automatically uses the European Sovereign Cloud partition specific root certificate when signing.
- Signature revocation is only valid within the same AWS partition that an artifact was signed in. The [GetRevocationStatus API](#) will not return the revocation information for any signatures or profiles that were revoked in other partitions.
- If you're signing container images, you must complete the following steps:
 - You must use the European Sovereign Cloud specific root certificate when verifying container images signed in the European Sovereign Cloud Region. For more information, see [Prerequisites for signing container images](#).
 - In your trust policy, you must set `signingAuthority` to `aws-eusc-signer-ts`. For example:

```
{
  "version": "1.0",
  "trustPolicies": [
    {
      "name": "aws-signer-tp",
```

```
    "registryScopes":[
      "*"
    ],
    "signatureVerification":{
      "level":"strict"
    },
    "trustStores":[
      "signingAuthority:aws-eusc-signer-ts"
    ],
    "trustedIdentities":[
      "arn:aws-eusc:signer:region:111122223333:/signing-profiles/
ecr_signing_profile",
      "arn:aws-eusc:signer:region:111122223333:/signing-profiles/
ecr_signing_profile2"
    ]
  }
}
```

For more information about setting up trust policies for image verification, see [Verify an image locally after signing](#).

Documentation

- [AWS Signer](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Simple Notification Service (Amazon SNS) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Simple Notification Service (Amazon SNS) in the AWS European Sovereign Cloud Region.

Amazon Simple Notification Service (Amazon SNS) is a web service that enables applications, end-users, and devices to instantly send and receive notifications from the cloud.

How Amazon SNS differs

The following differences apply to Amazon SNS:

- Mobile push notifications are not available for Amazon SNS.

Documentation

- [Amazon Simple Notification Service \(Amazon SNS\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Simple Queue Service (Amazon SQS) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Simple Queue Service (Amazon SQS) in the AWS European Sovereign Cloud Region.

Amazon Simple Queue Service (Amazon SQS) is a fully managed message queuing service that makes it easy to decouple and scale microservices, distributed systems, and serverless applications. Amazon SQS moves data between distributed application components and helps you decouple these components.

How Amazon SQS differs

There are no differences for this service.

Documentation

- [Amazon Simple Queue Service \(Amazon SQS\)](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Step Functions in AWS European Sovereign Cloud

This topic describes the functionality of AWS Step Functions in the AWS European Sovereign Cloud Region.

AWS Step Functions makes it easy to coordinate the components of distributed applications as a series of steps in a visual workflow. You can quickly build and run state machines to execute the steps of your application in a reliable and scalable fashion.

How AWS Step Functions differs

The following differences apply to Step Functions:

- Integration with the following AWS services or service features is not available:
 - EKS on Fargate
 - EMR on EKS
 - Amazon Bedrock
 - EMR Serverless
 - AWS Elemental MediaConvert

Documentation

- [AWS Step Functions](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Storage Gateway in AWS European Sovereign Cloud

This topic describes the functionality of AWS Storage Gateway in the AWS European Sovereign Cloud Region.

AWS Storage Gateway is a service that connects an on-premises software appliance with cloud-based storage to provide seamless and secure integration between your on-premises IT environment and the AWS storage infrastructure in the AWS Cloud.

How AWS Storage Gateway differs

There are no differences for this service.

Documentation

- [AWS Storage Gateway](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Support in AWS European Sovereign Cloud

This topic describes the functionality of AWS Support in the AWS European Sovereign Cloud Region.

AWS Support provides support for users of Amazon Web Services. AWS Support provides one-on-one, fast-response support channels to help you build and run applications on AWS. Whether you are experimenting with AWS for the first time, running production workloads, or using AWS for mission-critical applications, AWS Support offers the right mix of tools and expertise to help you succeed.

AWS Support Center is your location for AWS Technical Support, which includes access to technical FAQs, service status page, and AWS Support. AWS Support Center is available in the AWS Management Console, with federated access support and enhanced case-management workflows. For more information, see [AWS Support Center](#).

Note

AWS Support Center currently does not integrate with the Classification Management Tool. You must manually add classification markings when using AWS Support Center.

How AWS Support differs

The following differences apply to AWS Support:

- Support operations via the support SDK do not include Trusted Advisor features. See [AWS Trusted Advisor](#).

- Email notifications for case communications are not available.
- EventBridge events for Case Management are not available.
- Live Chat functionality is not available.
- Live Call support is available through a call-back workflow.
- Support is limited to a single region in the AWS European Sovereign Cloud Region.
- Support is available in the following languages: English, French, German, Italian, Portuguese, and Spanish.

Documentation

- [AWS Support](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon Simple Workflow Service (Amazon SWF) in AWS European Sovereign Cloud

This topic describes the functionality of Amazon Simple Workflow Service (Amazon SWF) in the AWS European Sovereign Cloud Region.

Amazon Simple Workflow Service (Amazon SWF) makes it easy to build applications that coordinate work across distributed components. In Amazon SWF, a task represents a logical unit of work that is performed by a component of your application. Coordinating tasks across the application involves managing intertask dependencies, scheduling, and concurrency in accordance with the logical flow of the application. Amazon SWF gives you full control over implementing tasks and coordinating them without worrying about underlying complexities such as tracking their progress and maintaining their state.

How Amazon SWF differs

There are no differences for this service.

Documentation

- [Amazon Simple Workflow Service \(Amazon SWF\)](#) documentation

- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Systems Manager in AWS European Sovereign Cloud

This topic describes the functionality of AWS Systems Manager in the AWS European Sovereign Cloud Region.

Use AWS Systems Manager to organize, monitor, and automate management tasks on your AWS resources.

How AWS Systems Manager differs

The following differences apply to Systems Manager:

- Session Manager is not available.
- Change Manager is not available.
- Application Manager is not available.
- SSM Change Management is not available.
- SSM Contacts is not available.
- SSM JITNA is not available.
- AWS Systems Manager for SAP is not available.
- AWS Systems Manager Incident Manager is not available.

Documentation

- [AWS Systems Manager](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Transfer Family in AWS European Sovereign Cloud

This topic describes the functionality of AWS Transfer Family in the AWS European Sovereign Cloud Region.

AWS Transfer Family is a secure transfer service that stores your data in Amazon Simple Storage Service or Amazon Elastic File System and simplifies the migration of Secure File Transfer Protocol (SFTP), File Transfer Protocol Secure (FTPS), File Transfer Protocol (FTP), and Applicability Statement 2 (AS2) workflows to AWS.

How AWS Transfer Family differs

The following differences apply to Transfer Family:

- VPC_ENDPOINT endpoint type is not available. Only PUBLIC and VPC endpoint types are supported.
- AWS Transfer Family web apps are not available.
- SFTP connectors with Egress Type VPC_LATTICE are not available.

Documentation

- [AWS Transfer Family](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Transit Gateway in AWS European Sovereign Cloud

This topic describes the functionality of AWS Transit Gateway in the AWS European Sovereign Cloud Region.

AWS Transit Gateway connects your Amazon Virtual Private Clouds (VPCs) and on-premises networks through a central hub.

How AWS Transit Gateway differs

The following differences apply to AWS Transit Gateway:

- inter-Region Peering is not available.
- Policy-Based Routing (PBR) for transit gateways is not available.

Documentation

- [Amazon Virtual Private Cloud](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Trusted Advisor in AWS European Sovereign Cloud

This topic describes the functionality of AWS Trusted Advisor in the AWS European Sovereign Cloud Region.

AWS Trusted Advisor helps you optimize your AWS environment by providing recommendations across cost optimization, performance, security, resilience, and operational excellence. Trusted Advisor continuously evaluates your resources using best practice checks and recommends actions to improve your cloud infrastructure.

How AWS Trusted Advisor differs

The following differences apply to Trusted Advisor:

- Not all checks are supported in this AWS Region. For a list of available checks, see the [Trusted Advisor check reference](#).
- Weekly notification emails for checks are not available for Trusted Advisor.
- The [AWS Config integration feature](#) is not available.
- When creating an EventBridge rule for Trusted Advisor, the Trusted Advisor filter list is disabled. You can use the **all checks** filter when creating your EventBridge rules.
- Only following APIs are supported in this AWS Region:
 - ListChecks
 - GetRecommendation
 - ListRecommendations
 - ListRecommendationResources
 - ListRecommendationsForResource
 - BatchUpdateRecommendationResourceExclusion
- The ListChecks, GetRecommendation, ListRecommendations, ListRecommendationResources, and ListRecommendationsForResource [API](#) operations

do not support localization and always return the response in English irrespective of the `language` parameter.

Documentation

- [AWS Trusted Advisor](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS User Notifications in AWS European Sovereign Cloud

This topic describes the functionality of AWS User Notifications in the AWS European Sovereign Cloud Region.

AWS User Notifications lets you centrally setup and view notifications from AWS services, such as AWS Health events, Amazon CloudWatch alarms, or EC2 Instance state changes, in a consistent, human-friendly format.

How AWS User Notifications differs

The following differences apply to AWS User Notifications:

- Private Link is not available.

Documentation

- [AWS User notifications](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS User Notifications Contacts in AWS European Sovereign Cloud

This topic describes the functionality of AWS User Notifications Contacts in the AWS European Sovereign Cloud Region.

AWS User Notifications Contacts is a service that allows you to create and manage email contacts for AWS User Notifications.

How AWS User Notifications Contacts differs

The following differences apply to AWS User Notifications Contacts:

- Private Link is not available.

Documentation

- [AWS User Notifications](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Amazon VPC in AWS European Sovereign Cloud

This topic describes the functionality of Amazon VPC in the AWS European Sovereign Cloud Region.

Amazon Virtual Private Cloud (Amazon VPC) enables you to provision a logically isolated section of the AWS Cloud where you can launch AWS resources in a virtual network that you've defined.

How Amazon VPC differs

The following differences apply to VPC:

- Inter-Region VPC Peering is not available.
- Reachability Analyzer is not available.
- Network Access Analyzer is not available.
- VPC Route Server is not available.
- VPC Encryption Control is not available.

Documentation

- [Amazon Virtual Private Cloud](#) documentation

- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS Virtual Private Network in AWS European Sovereign Cloud

This topic describes the functionality of AWS Virtual Private Network in the AWS European Sovereign Cloud Region.

AWS Virtual Private Network (AWS VPN) establishes a secure and private tunnel from your network or device to the AWS Cloud. You can extend your existing on-premises network into a VPC, or connect to other AWS resources from a client. AWS VPN offers two types of private connectivity that feature the high availability and robust security necessary for your data.

How AWS VPN differs

The following differences apply to AWS VPN:

- Accelerated VPN is not available.
- Certificated-Based VPN is not available.
- Private IP VPN with AWS Direct Connect is not available.
- S2S VPN integration with Secrets Manager for PSK is not available.

Documentation

- [AWS Site-to-Site VPN](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS WAF in AWS European Sovereign Cloud

This topic describes the functionality of AWS WAF in the AWS European Sovereign Cloud Region.

AWS WAF is a web application firewall that lets you monitor web requests that are forwarded to resources, such as AWS API Gateway and AWS Application Load Balancers. You can also use AWS WAF to block or allow requests based on conditions that you specify, such as the IP addresses that

requests originate from or values in the requests. For a list of services that AWS WAF supports, see the service page.

How AWS WAF differs

The following differences apply to AWS WAF:

- Partner Managed rule groups that are provided for subscription by AWS Marketplace third party sellers are not available for use in European Sovereign Cloud (EU). The only managed rule groups that are available in AWS European Sovereign Cloud (EU) are the AWS managed rule groups that are provided with AWS WAF. For more information about managed rule groups in AWS WAF, see [Managed rule groups](#) in the AWS WAF Developer Guide.
- AWS WAF web ACL association with AWS App Runner, AWS AppSync, AWS Verified Access, Amazon CloudFront, and AWS Amplify is not available.
- AWS PrivateLink integration with AWS WAF is not available.

Documentation

- [AWS WAF](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

AWS X-Ray in AWS European Sovereign Cloud

This topic describes the functionality of AWS X-Ray in the AWS European Sovereign Cloud Region.

AWS X-Ray makes it easy for developers to analyze the behavior of their distributed applications by providing request tracing, exception collection, and profiling capabilities.

How AWS X-Ray differs

The following differences apply to X-Ray:

- [Amazon Resource Names in AWS European Sovereign Cloud](#) and [endpoints](#) have different values.
- Only [signature version 4 signing](#) is supported.
- Trace IDs in W3C file format are not available.

- Cross-account tracing is not available.
- IPv6 endpoint types are not available.
- AWS Distro for OpenTelemetry (ADOT) collector is not available.
- The following APIs are not available:
 - start-trace-retrieval
 - get-retrieved-traces-graph
 - list-retrieved-traces
 - cancel-trace-retrieval
 - update-trace-segment-destination
 - get-trace-segment-destination
 - get-indexing-rules
 - update-indexing-rule
- [Transaction Search](#) is not available. Unlike commercial regions X-Ray Daemon assets are not replicated to buckets in the Secret Regions. However, the CloudWatch Agent is able to act as a replacement for X-Ray Daemon and is compatible with X-Ray SDK. The CloudWatch Agent is available in the Secret Regions. For more information, see [Collect metrics](#).

Documentation

- [AWS X-Ray](#) documentation
- [AWS Developer Tools](#) in AWS European Sovereign Cloud
- [Service endpoints](#) for AWS European Sovereign Cloud

Document history

The following table describes important changes to the *AWS European Sovereign Cloud User Guide*.

Change	Description	Date
Amazon GuardDuty	Managing GuardDuty accounts with organization policies is not available in AWS European Sovereign Cloud.	September 30, 2026
Amazon Redshift	Amazon Redshift Serverless is now available.	August 24, 2026
Amazon S3	S3 Vectors is now available.	August 4, 2026
Amazon Data Firehose	Apache Iceberg Tables is now available as a destination.	June 26, 2026
Amazon GuardDuty	GuardDuty RDS Protection now supports Amazon RDS for MariaDB and MySQL.	June 11, 2026
Amazon Polly	New service launch.	May 6, 2026
Amazon ElastiCache	ElastiCache Serverless IPv6/dual stack is now available.	April 29, 2026
Amazon Athena	Managed query results feature is now available.	April 22, 2026
Amazon GuardDuty	GuardDuty has deprecated the <code>AmazonGuardDutyFullAccess</code> policy and replaced it with a scoped-down policy named <code>AmazonGuardDutyFullAccess_v2</code> . For more information,	April 20, 2026

see [AWS managed policy: AmazonGuardDutyFullAccess_v2](#).

Amazon S3	S3 Mountpoint is now available.	April 14, 2026
Amazon GuardDuty	Updated feature differences for Amazon GuardDuty.	April 14, 2026
Amazon DocumentDB	Updated feature differences for European Sovereign Cloud.	April 7, 2026
AWS Lambda	Response streaming is now available.	April 7, 2026
AWS Elastic Disaster Recovery	New service launch.	April 2, 2026
AWS IAM Identity Center	New service launch.	March 27, 2026
Amazon GuardDuty	Updated feature differences for Amazon GuardDuty.	March 7, 2026
Amazon CloudWatch	Updated feature differences.	March 3, 2026
AWS Network Firewall	Updated feature differences.	February 25, 2026
Amazon GuardDuty	Malware Protection for Amazon EC2 and Amazon S3 is now available.	February 12, 2026
Amazon Data Firehose	Secrets Manager and Splunk integration is now available.	February 12, 2026

[Initial publication](#)

This is the first publication of the *AWS European Sovereign Cloud User Guide*. This guide provides instructions for setting up your account and identifies differences between the public AWS Cloud offerings and the AWS European Sovereign Cloud.

January 13, 2026

[Amazon EMR](#)

Amazon EMR is now available in AWS European Sovereign Cloud with support for EMR release versions 5.36.2, 6.15.0, and 7.8.0.

November 7, 2025

[AWS Network Firewall](#)

New service launch.

August 6, 2025