

Compute



EC2

EC2 allows you to rent and manage virtual servers in the cloud.

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Lambda

Lambda is a serverless compute service that lets you run code without managing servers.

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Fargate

Fargate is a serverless compute engine for containers.

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Lightsail

Lightsail allows you to quickly launch all the resources you need for small projects.

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Outposts

Outposts allows you to run cloud services in your internal data center.

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Batch

Batch allows you to process large workloads in smaller chunks (or batches).

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Storage



S3

S3 is an object storage service for the cloud that is highly available.

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EBS

EBS is a storage device (called a volume) that can be attached to (or removed from) your instance.

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EFS

EFS is a serverless network file system for sharing files.

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Storage Gateway

Storage Gateway is a hybrid storage service.

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Backup

Backup helps you manage data backups across multiple data services

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Content Delivery



CloudFront

CloudFront is a CDN that delivers data and applications globally with low latency.

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Global Accelerator

Global Accelerator sends your users through the AWS global network when accessing your content, speeding up delivery.

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S3 Transfer Acceleration

S3 Transfer Acceleration improves content uploads and downloads to and from S3 buckets.

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Networking



Route 53

Route 53 is a DNS service that routes users to applications.

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Virtual Private Cloud (VPC)

VPC is a foundational service that allows you to create a secure private network in the AWS Cloud where you launch your resources.

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Direct Connect

Direct Connect is a dedicated physical network connection from your on-premises data center to AWS.

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Virtual Private Network (VPN)

Site-to-Site VPN creates a secure connection between your internal networks and your AWS VPCs.

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API Gateway

API Gateway allows you to build and manage APIs.

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Databases



Relational Database Service (RDS)

RDS is a service that makes it easy to launch and manage relational databases.

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Aurora

Aurora is a relational database compatible with MySQL and PostgreSQL that was created by AWS.

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DynamoDB

DynamoDB is a fully managed NoSQL key-value and document database.

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DocumentDB

DocumentDB is a fully managed document database that supports MongoDB.

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ElastiCache

ElastiCache is a fully managed in-memory datastore compatible with Redis or Memcached.

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Migration and Transfer



Database Migration Service (DMS)

DMS helps you migrate databases to or within AWS.

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Server Migration Service (SMS)

SMS allows you to migrate on-premises servers to AWS.

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Snow Family

The Snow Family allows you to transfer large amounts of on-premises data to AWS using a physical device.

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DataSync

DataSync allows for online data transfer from on-premises to AWS storage services like S3 or EFS.

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Neptune

Neptune is a fully managed graph database that supports highly connected datasets.

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Analytics



Redshift

Redshift is a scalable data warehouse solution.

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Athena

Athena is a query service for Amazon S3.

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Glue

Glue prepares your data for analytics.

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Kinesis

Kinesis allows you to analyze data and video streams in real time.

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Elastic MapReduce (EMR)

EMR helps you process large amounts of data.

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Data Pipeline

Data Pipeline helps you move data between compute and storage services running either on AWS or on-premises.

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Machine Learning



Rekognition

Rekognition allows you to automate your image and video analysis.

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Comprehend

Comprehend is a natural-language processing (NLP) service that finds relationships in text.

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Polly

Polly turns text into speech.

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SageMaker

SageMaker helps you build, train, and deploy machine learning models quickly.

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Translate

Translate provides language translation.

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Lex

Lex helps you build conversational interfaces like chatbots.

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Developer Tools



Cloud9

Cloud9 allows you to write code within an integrated development environment (IDE) from within your web browser.

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CodeCommit

CodeCommit is a source control system for private Git repositories.

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CodeBuild

CodeBuild allows you to build and test your application source code.

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CodeDeploy

CodeDeploy manages the deployment of code to compute services in the cloud or on-premises.

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CodePipeline

CodePipeline automates the software release process.

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X-Ray

X-Ray helps you debug production applications.

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Deployment and Infrastructure Management



CloudFormation

CloudFormation allows you to provision AWS resources using Infrastructure as Code (IaC).

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Elastic Beanstalk

Elastic Beanstalk allows you to deploy your web applications and web services to AWS.

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OpsWorks

OpsWorks allows you to use Chef or Puppet to automate the configuration of your servers and deploy code.

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Messaging and Integration



Simple Queue Service (SQS)

SQS is a message queuing service that allows you to build loosely coupled systems.

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Simple Notification Service (SNS)

SNS allows you to send emails and text messages from your applications.

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Simple Email Service (SES)

SES is an email service that allows you to send richly formatted HTML emails from your applications.

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Auditing, Monitoring, and Logging



CloudWatch

CloudWatch is a collection of services that help you monitor and observe your cloud resources.

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CloudTrail

CloudTrail tracks user activity and API calls within your account.

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