

# Popular AWS Services Descriptions

Navigating through the expanding universe of AWS offerings can be a challenge. ClearScale is committed to providing clear, concise, and accurate definitions to help you make informed decisions about your cloud-based infrastructure.

Reference this document for a quick description of the popular AWS services that ClearScale leverages in our solutions.

- **Amazon API Gateway:** A fully managed service that allows developers to create, publish, maintain, monitor, and secure APIs at scale.
- **Amazon AppFlow:** Fully managed integration service that enables you to securely transfer data between Software-as-a-Service (SaaS) applications and AWS services.
- **Amazon Athena:** A serverless, interactive analytics service built on open-source frameworks, supporting open-table and file formats.
- **Amazon Augmented AI (A2I):** Fully managed service that makes it easy to build the workflows required for human review of ML predictions.
- **Amazon Braket:** A fully managed quantum computing service that helps researchers and developers get started with the technology to accelerate research and discovery.
- **Amazon Chime:** Communications service that lets you meet, chat, and place business calls inside and outside your organization.
- **Amazon CloudFront:** A global Content Delivery Network (CDN) service that securely delivers data, videos, applications, and APIs with low latency and high transfer speeds.
- **Amazon CloudWatch:** A monitoring and observability service that collects and tracks metrics to measure applications.
- **Amazon CodeGuru:** A service that uses machine learning to recommend improvements in code quality and identify an application's most expensive lines of code.
- **Amazon Cognito:** An identity platform for web and mobile apps.
- **Amazon Comprehend:** A natural language processing (NLP) service that uses machine learning to find insights and relationships in text.
- **Amazon Connect:** A self-service, cloud-based contact center service.
- **Amazon Connect Voice ID:** Provides real-time caller authentication which makes voice interactions in contact centers more secure and efficient.
- **Amazon Detective:** Automatically collects log data from AWS resources and uses machine learning, statistical analysis, and graph theory to build interactive visualizations.
- **Amazon DevOps Guru:** A fully managed operations service that uses machine learning to automatically detect and help you resolve operational issues.
- **Amazon DocumentDB (with MongoDB compatibility):** Fast, scalable, highly available, and fully managed JSON document database service.
- **Amazon DynamoDB:** A fully managed NoSQL database service for any scale.
- **Amazon EBS Snapshots Archive:** A cost-effective, long-term data protection and backup solution for Amazon EBS volumes.
- **Amazon EC2 (Elastic Compute Cloud):** Provides scalable computing capacity in the AWS cloud.
- **Amazon EC2 Auto Scaling:** Helps maintain application availability and scales Amazon EC2 capacity up or down automatically according to conditions you define.
- **Amazon Elastic Container Registry (ECR):** A fully managed Docker container registry that makes it easy to store, manage, and deploy Docker container images.
- **Amazon Elastic Container Service for Kubernetes (EKS):** A managed service that makes it easy to run Kubernetes on AWS without needing to install, operate, and maintain your own Kubernetes control plane.
- **Amazon Elastic Disaster Recovery:** Minimizes downtime and data loss by providing fast, reliable recovery of physical, virtual, and cloud-based servers into AWS.
- **Amazon Elastic File System (EFS):** A scalable file storage for use with Amazon EC2.
- **Amazon Elastic Inference:** Allows you to attach low-cost GPU-powered inference acceleration to Amazon EC2 and Amazon SageMaker instances.

- **Amazon Elastic Load Balancing (ELB):** Automatically distributes incoming application traffic across multiple targets and virtual appliances.
- **Amazon Elastic Transcoder:** Media transcoding in the cloud.
- **Amazon EMR (Elastic MapReduce):** A cloud-based big data platform for processing large datasets using popular frameworks such as Apache Spark and Hadoop.
- **Amazon EMR on EKS:** An AWS service that provides a deployment option for Amazon EMR that allows users to automate the provisioning and management of open-source big data frameworks on Amazon EKS.
- **Amazon EventBridge:** A serverless event bus service that connects application data from your own apps, SaaS, and AWS services.
- **Amazon FinSpace:** A data management and analytics service purpose-built for the financial services industry (FSI).
- **Amazon Forecast:** A fully managed service that uses machine learning to deliver highly accurate forecasts.
- **Amazon FSx:** Lets users launch, run, and scale feature-rich, high-performance file systems in the cloud.
- **Amazon Glacier:** A low-cost, highly durable storage service for data archiving and long-term backup.
- **Amazon GuardDuty:** Managed threat detection service that continuously monitors AWS accounts and workloads.
- **Amazon Honeycode:** A fully managed service that allows you to quickly build mobile and web applications – with no programming required.
- **Amazon Inspector:** An automated vulnerability assessment service that continually scans AWS workloads for software vulnerabilities.
- **Amazon Interactive Video Service (IVS):** A managed live streaming solution that is quick and easy to set up, and ideal for creating interactive video experiences.
- **Amazon Kendra:** A highly accurate and easy-to-use enterprise search service powered by machine learning.
- **Amazon Kinesis:** A fully managed service to stream and analyze real-time, streaming data.
- **Amazon Lex:** A fully managed artificial intelligence (AI) service with advanced natural language models to design, build, test, and deploy conversational interfaces in applications.
- **Amazon Lightsail:** Easy-to-use cloud platform that offers everything needed to build an application or website, plus a cost-effective, monthly plan.
- **Amazon Lookout for Equipment:** A machine learning service that detects abnormal equipment behavior, so that users can take action before machine failures occur and productivity is impacted.
- **Amazon Lookout for Metrics:** An anomaly detection service that uses machine learning to monitor metrics, detect anomalies with accuracy, and diagnose root causes.
- **Amazon Macie:** Fully managed data security and data privacy service that uses machine learning (ML) and pattern matching to discover and help protect sensitive data.
- **Amazon Managed Blockchain:** A fully managed service that makes it easy to create and manage scalable blockchain networks.
- **Amazon Managed Grafana:** A fully managed data visualization service that can instantly query, correlate, and visualize operational metrics, logs, and traces for applications.
- **Amazon Managed Streaming for Apache Kafka (MSK):** A fully managed service that can build and run applications that use Apache Kafka to process streaming data.
- **Amazon Monitron:** An end-to-end system that uses machine learning to detect abnormal behavior in industrial machinery and enable predictive maintenance.
- **Amazon MQ:** A managed message broker service for Apache ActiveMQ.
- **Amazon Neptune:** A fully managed graph database service that makes it easy to build and run applications that work with highly connected datasets.
- **Amazon OpenSearch:** Performs interactive log analytics, real-time application monitoring, website search, and supports 19 versions of Elasticsearch.
- **Amazon Personalize:** Allows developers to build and deploy curated recommendations and intelligent user segmentation at scale using machine learning.
- **Amazon Pinpoint:** Engages your audience with targeted and transactional messages across multiple channels.
- **Amazon Polly:** A service that uses deep learning technology to turn text into lifelike speech.
- **Amazon QLDB (Quantum Ledger Database):** A fully managed ledger database with a central trusted authority.
- **Amazon Quicksight:** A scalable, serverless, embeddable, machine learning-powered business intelligence (BI) service built for the cloud.
- **Amazon RDS (Relational Database Service):** A managed relational database service that supports multiple database engines.
- **Amazon RDS on Outposts:** Allows users to deploy fully managed relational databases in on-premises environments using Amazon RDS.
- **Amazon Redshift:** A fully-managed, petabyte-scale data warehouse service in the cloud.
- **Amazon Rekognition:** Offers pre-trained and customizable computer vision capabilities to extract information and insights from images and videos.

- **Amazon Route 53:** A highly scalable and highly available Domain Name System (DNS) web service.
- **Amazon Route 53 Application Recovery Controller:** A service that helps to reliably recover applications at scale across multiple AWS Regions.
- **Amazon S3 (Simple Storage Service):** Offers scalable object storage for data backup, archival, and analytics.
- **Amazon S3 Glacier Instant Retrieval:** An Amazon S3 storage class that provides instant, low-cost retrieval of long-term data stored in the cloud.
- **Amazon S3 on Outposts:** Delivering object storage to on-premises AWS Outposts environment to meet local data processing and data residency needs.
- **Amazon S3 Storage Lens:** Provides organization-wide visibility into object storage usage and activity trends.
- **Amazon SageMaker:** A fully managed service that provides developers and data scientists with the ability to build, train, and deploy machine learning models.
- **Amazon SageMaker Studio:** A fully integrated development environment (IDE) for machine learning.
- **Amazon SimpleDB:** A simple database storage solution for less complex applications.
- **Amazon SNS (Simple Notification Service):** A fully managed pub/sub messaging service for microservices, distributed systems, and serverless applications.
- **Amazon SQS (Simple Queue Service):** A fully managed message queuing service for microservices, distributed systems, and serverless applications.
- **Amazon Sumerian:** A set of tools for creating high-quality virtual reality (VR) experiences on the web.
- **Amazon Textract:** A machine learning service that automatically extracts text and data from scanned documents.
- **Amazon Timestream:** A scalable, serverless time series database service for IoT and operational applications.
- **Amazon Translate:** Provides real-time and batch language translation capabilities.
- **Amazon VPC (Virtual Private Cloud):** Allows for the setup of a private, isolated portion of the AWS cloud where users can launch resources in a virtual network.
- **Amazon WorkSpaces:** Managed, secure Desktop-as-a-Service (DaaS) solution.
- **AWS Amplify:** A set of tools and services that enables mobile and front-end web developers to build secure, scalable full-stack applications.
- **AWS AppConfig:** A service that enables users to create, manage, and quickly deploy application configurations.
- **AWS Application Migration Service:** An automated lift-and-shift solution that simplifies, expedites, and reduces the cost of migrating applications to AWS.
- **AWS App Runner:** A service that makes it easier and faster for developers to build, deploy, and run containerized applications.
- **AWS Artifact:** Provides on-demand access to AWS' security and compliance reports and select online agreements.
- **AWS Audit Manager:** Helps users continuously audit AWS usage to simplify how they manage risk and compliance.
- **AWS Auto Scaling:** Monitors applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost.
- **AWS Backup:** A fully managed backup service that makes it easy to centralize and automate data backup across AWS services.
- **AWS Batch:** Fully managed batch processing service at any scale.
- **AWS CloudFormation:** IaC service that enables businesses to model, provision, and manage a collection of related AWS resources.
- **AWS CloudFormation StackSets:** A service for creating, managing, and deleting stacks based on a common AWS CloudFormation template.
- **AWS CloudHSM:** A cryptographic service for creating and maintaining hardware security modules (HSMs) in an AWS environment.
- **AWS CloudTrail:** Provides visibility into user activity by recording actions taken on an AWS account.
- **AWS CodeArtifact:** A fully managed artifact repository service that makes it easy for organizations of any size to securely store, publish, and share packages used in their software development process.
- **AWS CodeDeploy:** A fully managed deployment service that automates software deployments to various compute services.
- **AWS CodePipeline:** A fully managed continuous delivery service that automates release pipelines.
- **AWS CodeStar:** A development service that provides the tools needed to quickly develop, build, and deploy applications on AWS.
- **AWS Control Tower:** Provides the easiest way to set up and govern a new, secure, multi-account AWS environment.
- **AWS Copilot:** A command line interface that simplifies building, releasing, and operating production-ready containerized applications on Amazon ECS and AWS Fargate.
- **AWS Data Pipeline:** A web service for orchestrating complex data flows across disparate AWS services and on-premises data sources.
- **AWS DataSync:** An online data transfer service that simplifies, automates, and accelerates copying large amounts of data to and from AWS storage services.
- **AWS Direct Connect:** Makes it easy to establish a dedicated network connection from your premises to AWS.

- **AWS DMS (Database Migration Service):** A cloud service that helps migrate databases to AWS quickly, securely, and with minimal downtime.
- **AWS Elastic Beanstalk:** An easy-to-use service for deploying and scaling web applications and services.
- **AWS Elemental MediaLive:** A broadcast-grade live video processing service.
- **AWS Fargate:** A serverless compute engine for containers that works with both Amazon Elastic Container Service (ECS) and Amazon Elastic Kubernetes Service (EKS).
- **AWS Fault Injection Simulator:** A managed service that enables you to perform fault injection experiments on your AWS workloads.
- **AWS Global Accelerator:** Improves the availability and performance of your applications with local or global users.
- **AWS Glue:** A fully managed extract, transform, and load (ETL) service that makes it easy to prepare and load your data for analytics.
- **AWS Glue Elastic Views:** A capability of AWS Glue that makes it easy to combine and replicate data across multiple data stores without having to write custom code.
- **AWS Ground Station:** A managed service to control satellite communications, process data, and scale operations without having to manage ground station infrastructure.
- **AWS IAM (Identity and Access Management):** Securely manage identities and access to AWS services and resources.
- **AWS IoT Core:** A managed cloud service that lets connected devices easily and securely interact with cloud applications and other devices.
- **AWS IoT Greengrass:** An IoT open source edge runtime and cloud service that helps you build, deploy, and manage device software.
- **AWS IoT SiteWise:** A managed service that simplifies collecting, organizing, and analyzing industrial equipment data.
- **AWS IoT TwinMaker:** A service that makes it easy for developers to create and visualize digital twins of real-world systems.
- **AWS Lake Formation:** A service that makes it easy to set up, secure, and manage data lakes.
- **AWS Lambda:** Serverless, event-driven compute service that can run code without provisioning or managing servers.
- **AWS Network Firewall:** A managed service that makes it easy to deploy essential network protections for Amazon Virtual Private Clouds (VPCs).
- **AWS Network Manager:** A service that enables users to centrally manage and visualize a global network.
- **AWS Organizations:** An account management service that lets users consolidate multiple AWS accounts into an organization that they create and centrally manage.
- **AWS Outposts:** A family of fully managed solutions delivering AWS infrastructure and services to virtually any on-premises or edge location for a consistent hybrid experience.
- **AWS Panorama:** A machine learning appliance and Software Development Kit (SDK) that allows organizations to bring computer vision to on-premises cameras.
- **AWS Personal Health Dashboard:** Provides a personalized view into the performance and availability of a user's AWS services.
- **AWS Private 5G:** A managed service that makes it easy for enterprises and public sector organizations to set up and scale private 5G networks in their facilities.
- **AWS Proton:** An application delivery service that automates infrastructure provisioning and code deployments for serverless and container-based applications.
- **AWS Resource Access Manager:** Enables users to securely share AWS resources with any AWS account or within an AWS Organization.
- **AWS RoboMaker:** A service that makes it easy to develop, simulate, and deploy intelligent robotics applications.
- **AWS Secrets Manager:** A secrets management service that helps users protect access to applications, services, and IT resources.
- **AWS Security Hub:** A cloud security posture management service that automates best practice checks, aggregates alerts, and supports automated remediation.
- **AWS Service Catalog:** Lets users centrally manage cloud resources to achieve governance at scale of infrastructure as code (IaC) templates.
- **AWS Snowball:** A petabyte-scale data transport solution that uses secure appliances to transfer large amounts of data into and out of AWS.
- **AWS Snowcone:** The smallest member of the AWS Snow Family of edge computing, edge storage, and data transfer devices.
- **AWS Snow Family:** A collection of physical devices designed to physically transport up to exabytes of data into and out of AWS.
- **AWS Snowmobile:** Exabyte-scale data transfer service used to move extremely large amounts of data to AWS.
- **AWS Step Functions:** A visual workflow service that helps developers use AWS services to build distributed applications, automate processes, orchestrate microservices, and create data and machine learning pipelines.

- **AWS Storage Gateway:** Hybrid storage service that enables your on-premises applications to seamlessly use AWS cloud storage.
- **AWS Systems Manager:** Provides a unified user interface to view operational data from multiple AWS services and automate operational tasks across AWS resources.
- **AWS Transfer Family:** Fully managed support for file transfers directly into and out of Amazon S3 using SFTP, FTPS, and FTP.
- **AWS Trusted Advisor:** An online tool that provides real-time guidance to help provision resources following AWS best practices.
- **AWS Wavelength:** Delivers ultra-low latency applications for 5G devices.
- **AWS Web Application Firewall:** Helps protect web applications from attacks by allowing users to configure rules that allow, block, or monitor (count) web requests.
- **AWS Well-Architected Tool:** Helps users review the state of their workloads and compares them to the latest AWS architectural best practices.
- **AWS X-Ray:** Helps developers analyze and debug distributed applications, such as those built using a microservices architecture.

Contact ClearScale today.

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## About ClearScale

ClearScale is a cloud-native systems integration, strategic consulting, and application development company founded in 2011. The company has successfully delivered more than 1,000 innovative cloud projects for clients ranging from startups to large enterprises and public sector organizations. ClearScale's cloud experts design, implement, optimize, and manage customized cloud solutions that help customers achieve their business transformation initiatives on AWS exclusively. For more information, visit [www.clearscale.com](http://www.clearscale.com).