



AWS Services Complete Guide

The Definitive Guide with Every AWS Service Listed



- Public Sector
- Amazon RDS Delivery
- Amazon QuickSight Delivery
- Well-Architected Partner Program

www.allcode.com



Company Background

When you work with AllCode, you’re working with a team of technical experts whose goal is to provide you with the highest level of service. As an AWS Advanced Consulting Partner, we provide thought leadership within the AWS community and provide our clients with VIP access to AWS resources and funding. As a trusted partner and Cloud Computing Consultant, our goal is to make your vision a reality.

Innovation and adaptation are at the core of our business. Our company focuses on ensuring that our team is educated and qualified to provide the latest in software development.

Over the past nine years, we’ve demonstrated the ability, commitment, and capacity to serve private and public organizations. We are helping organizations large and small examine their current business processes for efficiency, sustainability, and modernization.

Certified AWS Advanced Consulting Partner

AllCode is the optimal consulting partner, yielding a wide variety of cloud certifications and possessing the skillset to help you deploy complex cloud solutions.

AWS Services

AWS Quicksite	AWS Chime SDK	AWS Data Lake
AWS RDS	AWS Connect	AWS Cloud Formation
AWS S3	AWS Lambda	AWS Migration



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AWS Analytics Services

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Amazon Athena

S3-based query data using SQL

Amazon Cloudsearch

Managed Search Service

Amazon Elasticsearch Service

Streamline Elasticsearch Clusters

Amazon EMR

Framework for Apache, Spark, Hive, and other Big data frameworks

Amazon FinSpace

Storage, analysis, and cataloging for financial industry data

Amazon Managed Streaming for Apache Kafka

Tool for running and building applications on Apache Kafka

Amazon Redshift

Data cloud warehouse

Amazon QuickSight

Machine learning-powered tool for business intelligence

AWS Data Exchange

Tool for finding and subscribing to third-party data in the cloud

AWS Data Pipeline

Helps with moving data from AWS processing services to AWS storage services Migrate Data

AWS Glue

Serverless data integration

AWS Lake Formation

Building secure data lakes

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AWS Application Integration Services

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AWS Step Functions

Visualization for work flows

Amazon AppFlow

Automate data flows

Amazon EventBridge

Serverless app meant to help build event-based applications

Amazon Managed Workflows for Apache Airflow

Amazon Managed Workflows for Apache Airflow

Amazon MQ

For open source message brokers

Amazon Simple Notification Service

SMS, email, messaging management system

Amazon Simple Queue Service

Managed message queues for microservices, distributed services, and serverless applications

Amazon AppSync

App development toolkit with scalable GraphQL APIs

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AWS Blockchain Services

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Amazon Managed Blockchain

Simple blockchain tool

Amazon Quantum Ledger Database (QLDB)

Fully managed ledger database that provides a transparent, immutable, and cryptographically verifiable transaction log

04

AWS Business Applications Services

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Alexa for Business

Amazon's intelligent assistant Alexa more directly tailored towards business functions

Amazon Chime

Video conferencing

Amazon Honeycode

App builder to manage your team's work

Amazon WorkDocs

Storage, protection, and tools to create content collaboratively

Amazon WorkMail

AWS in-house email service

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AWS Cloud Financial Management Services

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AWS Cost Explorer

Visual interface to understand the costs of AWS services

AWS Budgets

Budgeting forecasts

AWS Cost and Usage Report

Spreadsheets for where your finances are going

Reserved Instance Reporting

Instance reservations monitoring and management

Savings Plans

Flexible budget modeling for AWS to make sure your servers are used as cost-effectively as possible

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AWS Compute Services

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Amazon EC2 Auto Scaling

Add or remove compute capacity to meet changes on demand

AWS App Runner

Easy and automated web application management

AWS Batch

Running thousands of compute jobs in parallel

AWS Elastic Beanstalk

Automatic deploying and scaling of your web app; just upload the source code

AWS Outposts

For users who need AWS services to be on-premises as opposed to the cloud

AWS Serverless Application Repository

Enables the storage and development of serverless architectures

AWS Snow Family

Highly durable, highly portable devices for data collection, storage, processing, and transitioning to the cloud

AWS Wavelength

Application delivery for 5G

VMWare Cloud on AWS

A fast cloud hybrid service

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AWS Container Services

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Amazon Elastic Container Registry

Automated container repositories

Amazon Elastic Container Service (ECS)

A secure, scalable, reliable way to run containers

Amazon ECS Anywhere

Run containers on customer infrastructure

Amazon Elastic Kubernetes Service

In-house tools to run Kubernetes in either the AWS cloud or on-premises

Amazon EKS Distro

Open source distribution of Kubernetes

AWS App2Container

Tool for modernizing .NET and Java applications into container applications

AWS Copilot

Container management

Red Hat OpenShift Service on AWS

Leverage for those already familiar with OpenShift

08

AWS Customer Engagement Services

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Amazon Connect

Customer service center

Amazon Pinpoint

Multichannel marketing communication device

Amazon Simple Email Service

Utility for developers to send mail from any device

09

AWS Database Services



Amazon Aurora

MySQL and PostgreSQL compatible relational database

Amazon DynamoDB

Fast and flexible NoSQL database service for scale

Amazon DocumentDB

Database built explicitly for JSON data management at scale

Amazon ElastiCache

Fully managed in-memory data store that's compatible with Redis or Memcached

Amazon Keyspaces

Apache Cassandra-compatible database

Amazon Neptune

Fast and reliable cloud database

Amazon Quantum Ledger Database

Fully managed ledger database that provides a transparent, immutable, and cryptographically verifiable transaction log

Amazon RDS

In-house database infrastructure

Amazon RDS on VMware

Allows RDS to be run in on-site VMware environments

Amazon Redshift

Data analysis warehouse

Amazon Timestream

Event history storage, designed to analyze trillions of changes a day

AWS Database Migration Service

Primary service for moving your databases to the cloud

AWS Glue

Scalable and serverless data integration

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AWS Developer Tools

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Amazon CodeGuru

Automated code reviews and optimization

Amazon Correto

No-cost, multiplatform distribution of OpenJDK

AWS Cloud Development Kit

Open-source development framework to define your cloud application resources

AWS Cloud9

Cloud-based development environment

AWS CloudShell

Browser-based shell for interacting with your AWS services

AWS CodeArtifact

Artifact repository for secure storage, publishing, and sharing software packages during development

AWS CodeBuild

Integration service that compiles code, runs tests, and produces software packages; only pay for what you use

AWS CodeCommit

Collaboration tool for code

AWS CodeDeploy

Automated software deployments to other AWS services

AWS CodePipeline

Delivery service designed to deploy updates rapidly and reliably

AWS CodeStar

User interface for developing, building, and deploying AWS applications

AWS Command Line Interface

Tool for managing AWS services

AWS Device Farm

Testing range for your applications across a collection of test devices; offers video recordings of performance

AWS Fault Injection Simulator

Experiment control tools for stress testing

AWS Tools and SDKs

Use your preferred development tools and languages

AWS X-Ray

Debug tool

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AWS Front-End Web and Mobile Services

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AWS Amplify

Tools for front-end web and mobile development

Amazon API Gateway

Create, maintain, and secure APIs

Amazon Location Service

Securely and easily add location data to applications without compromising personal information

AWS Device Farm

Application testing ground

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AWS Game Tech Services

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Amazon GameLift

Multiplayer platform

Amazon Lumberyard

Game development platform

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AWS Game Tech Services

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AWS IoT Core

Connect IoT devices to AWS cloud without provision or management servers

AWS Greengrass

Allows for faster development and deployment

AWS IoT 1-Click

Trigger events from simple devices

AWS IoT Analytics

Analytics for IoT devices

AWS IoT Button

Programmable dash button

AWS IoT Device Defender

IoT security management

AWS IoT Management

IoT monitoring

AWS IoT Events

Allows rapid detection and response to IoT sensors and applications

AWS IoT SiteWise

Collects data consistently across devices

AWS IoT Things Graph

Visualizes IoT objects to make developing applications easier

AWS Partner Device Catalog

Verification for partners to put devices on the AWS Partner Device Catalogue

FreeRTOS

Real time management for microcontrollers

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AWS X-Ray

Debug tool

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AWS Machine Learning Services



Amazon SageMaker

Toolset for deploying machine learning models quickly

Amazon Augmented AI

Ease of human oversight in the application of machine learning

Amazon CodeGuru

Recommendations for streamlining code using machine learning

Amazon Comprehend

Machine learning designed to handle unstructured data

Amazon DevOps Guru

Operational issues detection using machine learning

Amazon Elastic Inference

Lowering the cost of learning inference by integrating a low-cost GPU

Amazon Forecast

Weather forecasting using machine learning

Amazon Fraud Detector

Automated fraud detection

Amazon Healthlake

Health data analytics

Amazon Kendra

Search device using machine learning

Amazon Lex

Conversational AI for chatbots

Amazon Lookout for Equipment

Faulty equipment detection using machine learning

Amazon Lookout for Metrics

Anomaly detection in business analytics using machine learning

Amazon Lookout for Vision

Defective product detection using machine learning

Amazon Minitron

Machine breakdown detection using machine learning

Amazon Personalize

Simplifies the development of software capable of personalizing experiences; e.g. product recommendations

Amazon Polly

Text-to-speech program

Amazon Rekognition

Streamlines integrating machine learning into your applications

Amazon SageMaker Data Wrangler

Streamlines preparing data for machine learning

Amazon SageMaker Ground Truth

Labelling for training data for machine learning at scale

Amazon Textract

Extracts text and handwriting from any document

Amazon Translate

Language translation service

Amazon Transcribe

Speech-to-text module for applications

Amazon Deep Learning AMIs

Preconfigured machine learning environments

AWS Deep Learning Containers

Fast setup for machine learning environments

AWS DeepComposer

Hands-on machine learning experience with a music set

AWS DeepLens

Machine learning-enabled camera

AWS DeepRacer

Hands-on machine learning experience with a 3D racetrack

AWS Inferentia

High-performance machine learning chip

AWS Panorama

Experiment control tools for stress testing

PyTorch on AWS

Deep learning framework on which to develop machine learning models

Apache MXNet on AWS

Fast training interface for machine learning

TensorFlow on AWS

Deep learning framework

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AWS Management and Governance Services

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Amazon CloudWatch

Provides data and actionable insight to your applications

AWS Auto Scaling

Adjusts applications to meet the best performance for the lowest possible cost

AWS Chatbot

Interactive agent that monitors and interacts with AWS resources, can work with Slack and Amazon Chime

AWS CloudFormation

Structures AWS services based on templates of your design

AWS CloudTrail

Keeps an eye on your cloud activity and logs changes

AWS Compute Optimizer

Aims to minimize costs for running AWS services

AWS Config

Lets you asses, audit, and evaluate AWS resource configurations

AWS Control Tower

For setting multi-account AWS environments, called landing zones

AWS Console Mobile Application

The mobile solution for responding to incidents while you're on the go

AWS Distro for OpenTelemetry

AWS supported distribution of the OpenTelemetry project

AWS Launch Wizard

Offers guidance in scaling, configuring, and deploying AWS for third-party applications

AWS License Manager

Simplifies license management

AWS Management Console

The primary interface for everything AWS

AWS Managed Services

Operate AWS infrastructure more safely and securely

AWS Management Service for Prometheus

Lets you monitor containerized applications at scale

AWS OpsWorks

Lets you automate how servers are configured, deployed, and managed across EC2

AWS Organizations

Central control for your environments

AWS Personal Health Dashboard

Provides alerts and guidance for AWS events that might affect your environment

AWS Proton

Delivery service for container and serverless applications

AWS Service Catalog

Catalog tool for making and cataloging IT services to be approved by AWS

AWS Systems Manager

Operations hub for AWS

AWS Trusted Advisor

Provides help for best recommended practices

AWS Well-Architected Tool

Utility for reviewing the state of workloads

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AWS Media Services

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Amazon Elastic Transcoder

Used for transcoding media to the cloud

Amazon Interactive Video Service

Quick and easy live-stream solution

Amazon Kinesis Video Streams

Helps in securely streaming videos

AWS Elemental MediaConnect

High-quality transport service for live video

AWS Elemental MediaConvert

File-based video transcoding service with broadcast-grade features

AWS Elemental MediaLive

For making high-quality video streams

AWS Elemental MediaPackage

Prepares and protects your media as it's deployed

AWS Elemental MediaStore

For optimizing live streaming

AWS Elemental MediaTailor

For inserting advertisement into your videos

AWS Elemental Appliances and Software

Provides advanced video processing and delivering tools to your on-site centers

AWS Nimble Studio

Provides tools for animation, visual effects, and otherwise interactive elements

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AWS Migration and Transfer Services

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AWS Migration Hub

Center for tracking migration projects

AWS Application Discovery Service

Helps to plan migration projects

AWS Transfer Family

Seamless migration of files throughout AWS

AWS Application Migration Service (CloudEndure Migration)

Primary service for moving your applications to the cloud

Migration Evaluator (formerly TSO Logic)

Aims to make your transition to the cloud as cost-effective and painless as possible

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AWS Networking and Content Delivery Services

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Amazon VPC

Service for launching AWS resources that are isolated per your logic

Amazon CloudFront

Fast content delivery network (CDN)

Amazon Route 53

Available and scalable domain name system (DNS)

Amazon PrivateLink

Integral VPN

AWS App Mesh

Control of your application's internal communication

AWS Cloud Map

Control of your application's availability

AWS Direct Connect

Private network connection

AWS Global Accelerator

Network optimization

AWS Transit Gateway

Gateway for connecting AWS cloud services to on-premises hardware

Elastic Load Balancing

Distributes incoming application traffic to multiple targets

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AWS Quantum Technologies Services

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Amazon Braket

Integral quantum computing service

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AWS Robotics Services

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AWS RoboMaker

Ease-of-use tool for integrating robotics into your operations

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AWS Satellite Services

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AWS Ground Station

Control for satellite communications, process data, and scale without managing ground infrastructure

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AWS Satellite Services

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AWS Identity & Access Management

For managing logins among your employees

Amazon Cognito

For direct security control of your applications

Amazon Detective

Analyzes possible root causes for security issues

Amazon GuardDuty

Automatically monitors for unauthorized interactions and malicious activity

Amazon Inspector

Automatically assess your applications for possible exploits

Amazon Macie

Automated security that seeks out and protects sensitive data

AWS Artifact

Central resource for compliance-related information

AWS Audit Manager

Simplifies assessment process of risk and compliance

AWS Certificate Manager

Management tool for Secure Sockets Layer/Transport Layer Security (SSL/TLS) certificates

AWS CloudHSM

Cloud-based hardware security model

AWS Directory Service

Integral Active Directory (AD) tools

AWS Firewall Manager

Configuration tool for your firewalls

AWS Resource Access Manager

Share resources across your AWS accounts

AWS Secrets Manager

Rotate secrets without the need of deploying new code

AWS Security Hub

Use your preferred development tools and languages
Comprehensive view of security alerts and security standing across your applications

AWS Shield

DDoS protection

AWS Single Sign-On

Management tool for workforce IDs in AWS

AWS WAF

Protects web-applications against internet exploits

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AWS Serverless Services

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AWS Lambda

Tool for modifying AWS service logic to suit your needs

Amazon API Gateway

API management tool

Amazon DynamoDB

Key-value and document database

Amazon Simple Notification System (SNS)

Message service for application-to-application and application-to-person communication

Amazon Simple Queue Service (SQS)

Tool for managing middleware such as microservices and serverless applications

AWS Fargate

Serverless compute engine meant to work with ECS and EKS

AWS Step Functions

Visual interface to help manage your AWS services

Amazon Simple Storage System (S3)

Storage system designed to be used from anywhere

Amazon Elastic Block Store (EBS)

High-performance block storage designed to work natively with EC2

Amazon Elastic File System (EFS)

A hands-off, serverless file system that doesn't need scaling or provisioning

Amazon FSx for Lustre

High-performance file storage that works natively with S3

Amazon FSx for Windows File Server

Scalable file storage over Server Message Block (SMB) protocol

Amazon S3 Glacier

Long-term, highly durable storage

AWS Backup

A centralized and automated tool for keeping your data safe

AWS Storage Facility

Replatforming tool for making the transition to the AWS cloud

CloudEnsure Disaster Recovery

Safety net utility to prevent asset and data loss

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AWS VR and AR Services

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Amazon Sumerian

3D design tool



Get in touch to learn more

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