AWS PRODUCTS

Rastin @ o7o

1

ANALYTICS

Amazon Athena
Query data in S3 using SQL

Amazon CloudSearch
Managed search service

Amazon Elasticsearch Service
Run and scale Elasticsearch clusters

Amazon EMR
Hosted Hadoop framework

Amazon Kinesis
Analyze real-time video and data streams

Amazon Managed Streaming for Apache Kafka
Fully managed Apache Kafka service

Amazon Redshift
Fast, simple, cost-effective data warehousing

Amazon QuickSight
Fast business analytics service

AWS Data Exchange
Find, subscribe to, and use third-party data in the cloud

AWS Data Pipeline
Orchestration service for periodic, data-driven workflows

AWS Glue
Prepare and load data

AWS Lake Formation
Build a secure data lake in days

APPLICATION INTEGRATION

AWS Step Functions

Coordination for distributed applications

Amazon AppFlow

No code integration for SaaS apps & AWS services

Amazon EventBridge

Serverless event bus for SaaS apps & AWS services

Amazon MQ

Managed message broker for ActiveMQ

Amazon Simple Notification Service (SNS)

Pub/sub, SMS, email, and mobile push notifications

Amazon Simple Queue Service (SQS)

Managed message queues

AWS AppSync

Power your apps with the right data from many sources, at scale

AR & VR

Amazon Sumerian

Build and run VR and AR applications

COST MANAGEMENT

AWS Cost Explorer

Analyze your AWS cost and usage

AWS Budgets

Set custom cost and usage budgets

AWS Cost and Usage Report

Access comprehensive cost and usage information

Reserved Instance Reporting

Dive deeper into your reserved instances (RIs)

Savings Plans

Save up to 72% on compute usage with flexible pricing

BLOCKCHAIN

Amazon Managed Blockchain

Create and manage scalable blockchain networks

Amazon Quantum Ledger Database (QLDB)

Fully managed ledger database

BUSINESS APPLICATION

Alexa for Business

Empower your organization with Alexa

Amazon Chime

Frustration-free meetings, video calls, and chat

Amazon Honeycode (Beta)

Build mobile & web apps without programming

Amazon WorkDocs

Secure enterprise document storage and sharing

Amazon WorkMail

Secure email and calendaring

COMPUTE

Amazon EC2
Virtual servers in the cloud

Amazon EC2 Auto Scaling
Scale compute capacity to meet demand

Amazon Lightsail
Launch and manage virtual private servers

AWS Batch
Run batch jobs at any scale

AWS Elastic Beanstalk
Run and manage web apps

AWS Lambda
Run code without thinking about servers

AWS Outposts
Run AWS infrastructure on-premises

AWS Serverless Application Repository
Discover, deploy, and publish serverless applications

AWS Snow Family
Physical devices to aggregate and process data in edge locations, then transfer to AWS

AWS Wavelength
Deliver ultra-low latency applications for 5G devices

VMware Cloud on AWS
Build a hybrid cloud without custom hardware

CONTAINERS

AWS App2Container

Containerize and migrate existing applications

Amazon Elastic Container Registry

Easily store, manage, and deploy container images

Amazon Elastic Container Service (ECS)

Highly secure, reliable, and scalable way to run containers

Amazon Elastic Kubernetes Service (EKS)

The most trusted way to run Kubernetes

AWS Fargate

Serverless compute for containers

CUSTOMER ENGAGEMENT

Amazon Connect
Cloud-based contact center service

Amazon Pinpoint
Personalized user engagement across channels

Amazon Simple Email Service (SES)
Email sending and receiving

Contact Lens for Amazon Connect
Contact center analytics powered by ML

DATABASE

Amazon Aurora

High performance managed relational database

Amazon DynamoDB

Managed NoSQL database

Amazon DocumentDB (with MongoDB compatibility)

Fully managed document database

Amazon ElastiCache

In-memory caching system

Amazon Keyspaces (for Apache Cassandra)

Managed Cassandra-compatible database

Amazon Neptune

Fully managed graph database service

Amazon Quantum Ledger Database (QLDB)

Fully managed ledger database

Amazon RDS

Managed relational database service for MySQL, PostgreSQL, Oracle, SQL Server, and MariaDB

Amazon RDS on VMware

Automate on-premises database management

Amazon Redshift

Fast, simple, cost-effective data warehousing

Amazon Timestream

Fully managed time series database

AWS Database Migration Service

Migrate databases with minimal downtime

DEVELOPER TOOLS

Amazon Corretto
Production-ready distribution of OpenJDK

AWS Cloud Development Kit (CDK)
Model cloud infrastructure using code

AWS Cloud9
Write, run, and debug code on a cloud IDE

AWS CodeArtifact
Secure, scalable, and cost-effective artifact management for software development

AWS CodeBuild
Build and test code

AWS CodeCommit
Store code in private Git repositories

AWS CodeDeploy
Automate code deployment

Amazon CodeGuru
Find your most expensive lines of code

AWS CodePipeline
Release software using continuous delivery

AWS CodeStar
Develop and deploy AWS applications

AWS Command Line Interface
Unified tool to manage AWS services

AWS Device Farm
Test Android, iOS, and web apps on real devices in the AWS cloud

AWS Tools and SDKs
Tools and SDKs for AWS

AWS X-Ray
Analyze and debug your applications

END USER COMPUTING

Amazon WorkSpaces

Virtual desktops in the cloud

Amazon AppStream 2.0

Stream desktop applications securely to a browser

Amazon WorkLink

Enable mobile access to internal websites

FRONT-END WEB & MOBILE

AWS Amplify

Build and deploy mobile and web applications

Amazon API Gateway

Build, deploy, and manage API's

Amazon Pinpoint

Personalized user engagement across channels

AWS AppSync

Power your apps with the right data from many sources, at scale

AWS Device Farm

Test Android, iOS, and web apps on real devices in the AWS cloud

GAME TECH

Amazon GameLift

Simple, fast, cost-effective dedicated game server hosting

Amazon Lumberyard

A free cross-platform 3D game engine, with Full Source, integrated with AWS and Twitch

INTERNET OF THING

AWS IoT Core	**AWS Greengrass**	**AWS IoT 1-Click**
Connect devices to the cloud	Local compute, messaging, and sync for devices	One click creation of an AWS Lambda trigger
AWS IoT Analytics	**AWS IoT Button**	**AWS IoT Device Defender**
Analytics for IoT devices	Cloud programmable dash button	Security management for IoT devices
AWS IoT Device Management	**AWS IoT Events**	**AWS IoT SiteWise**
Onboard, organize, and remotely manage IoT devices	IoT event detection and response	IoT data collector and interpreter
AWS IoT Things Graph	**AWS Partner Device Catalog**	**FreeRTOS**
Easily connect devices and web services	Curated catalog of AWS-compatible IoT hardware	Real-time operating system for microcontrollers

MACHINE LEARNING

Amazon SageMaker	Amazon Augmented AI	Amazon CodeGuru
Build, train, and deploy machine learning models at scale	Easily implement human review of ML predictions	Find your most expensive lines of code
Amazon Comprehend	Amazon Elastic Inference	Amazon Forecast
Discover insights and relationships in text	Deep learning inference acceleration	Increase forecast accuracy using machine learning
Amazon Fraud Detector	Amazon Kendra	Amazon Lex
Detect more online fraud faster	Reinvent enterprise search with ML	Build voice and text chatbots
Amazon Personalize	Amazon Polly	Amazon Rekognition
Build real-time recommendations into your applications	Turn text into life-like speech	Analyze image and video
Amazon SageMaker Ground Truth	Amazon Textract	Amazon Translate
Build accurate ML training datasets	Extract text and data from documents	Natural and fluent language translation

MACHINE LEARNING

Amazon Transcribe

Automatic speech recognition

AWS Deep Learning AMIs

Deep learning on Amazon EC2

AWS Deep Learning Containers

Docker images for deep learning

AWS DeepComposer

ML enabled musical keyboard

AWS DeepLens

Deep learning enabled video camera

AWS DeepRacer

Autonomous 1/18th scale race car, driven by ML

AWS Inferentia

Machine learning inference chip

Apache MXNet on AWS

Scalable, open-source deep learning framework

PyTorch on AWS

Flexible open-source machine learning framework

TensorFlow on AWS

Open-source machine intelligence library

MANAGEMENT & COVERNANCE

Amazon CloudWatch	**AWS Auto Scaling**	**AWS Chatbot**
Monitor resources and applications	Scale multiple resources to meet demand	ChatOps for AWS
AWS CloudFormation	**AWS CloudTrail**	**AWS Command Line Interface**
Create and manage resources with templates	Track user activity and API usage	Unified tool to manage AWS services
AWS Compute Optimizer	**AWS Config**	**AWS Control Tower**
Identify optimal AWS Compute resources	Track resources inventory and changes	Set-up and govern a secure, compliant multi-account environment
AWS Console Mobile Application	**AWS License Manager**	**AWS Management Console**
Access resources on the go	Track, manage, and control licenses	Web-based user interface
AWS Managed Services	**AWS OpsWorks**	**AWS Organizations**
Infrastructure operations management for AWS	Automate operations with Chef and Puppet	Central governance and management across AWS accounts
AWS Personal Health Dashboard	**AWS Service Catalog**	**AWS Systems Manager**
Personalized view of AWS service health	Create and use standardized products	Gain operational insights and take action
AWS Trusted Advisor	**AWS Well-Architected Tool**	
Optimize performance and security	Review and improve your workloads	

MEDIA SERVICES

Amazon Elastic Transcoder
Easy-to-use scalable media transcoding

Amazon Interactive Video Service
Managed live video solution

Amazon Kinesis Video Streams
Process and analyze video streams

AWS Elemental MediaConnect
Reliable and secure live video transport

AWS Elemental MediaConvert
Convert file-based video content

AWS Elemental MediaLive
Convert live video content

AWS Elemental MediaPackage
Video origination and packaging

AWS Elemental MediaStore
Media storage and simple http origin

AWS Elemental MediaTailor
Video personalization and monetization

AWS Elemental Appliances & Software
On-premises media solutions

MIGRATION & TRANSFER

AWS Migration Hub

Track migrations from a single place

AWS Application Discovery Service

Discover on-premises applications to streamline migration

AWS Database Migration Service

Migrate databases with minimal downtime

AWS DataSync

Simple, fast, online data transfer

AWS Server Migration Service

Migrate on-premises servers to AWS

AWS Snow Family

Physical devices to migrate data into and out of AWS

AWS Transfer Family

Fully managed SFTP, FTPS, and FTP service

CloudEndure Migration

Automate your mass migration to the AWS cloud

Migration Evaluator (formerly TSO Logic)

Create a business case for cloud migration

NETWORKING & CONTENT DELIVERY

Amazon VPC
Isolated cloud resources

Amazon API Gateway
Build, deploy, and manage APIs

Amazon CloudFront
Global content delivery network

Amazon Route 53
Scalable domain name system (DNS)

AWS PrivateLink
Securely access services hosted on AWS

AWS App Mesh
Monitor and control microservices

AWS Cloud Map
Service discovery for cloud resources

AWS Direct Connect
Dedicated network connection to AWS

AWS Global Accelerator
Improve application availability and performance

AWS Transit Gateway
Easily scale VPC and account connections

Elastic Load Balancing (ELB)
Distribute incoming traffic across multiple targets

QUANTUM TECHNOLOGIES

Amazon Braket

Explore and experiment with quantum computing

ROBOTICS

AWS RoboMaker

Develop, test, and deploy robotics applications

SATELLITE

AWS Ground Station

Fully managed ground station as a service

SECURITY, IDENTITY & COMPLIANCE

AWS Identity and Access Management (IAM)
Securely manage access to services and resources

Amazon Cognito
Identity management for your apps

Amazon Detective
Investigate potential security issues

Amazon GuardDuty
Managed threat detection service

Amazon Inspector
Analyze application security

Amazon Macie
Discover and protect your sensitive data at scale

AWS Artifact
On-demand access to AWS' compliance reports

AWS Certificate Manager
Provision, manage, and deploy SSL/TLS certificates

AWS CloudHSM
Hardware-based key storage for regulatory compliance

AWS Directory Service
Host and manage active directory

AWS Firewall Manager
Central management of firewall rules

AWS Key Management Service
Managed creation and control of encryption keys

AWS Resource Access Manager
Simple, secure service to share AWS resources

AWS Secrets Manager
Rotate, manage, and retrieve secrets

AWS Security Hub
Unified security and compliance center

AWS Shield
DDoS protection

AWS Single Sign-On
Cloud single sign-on (SSO) service

AWS WAF
Filter malicious web traffic

STORAGE

Amazon Simple Storage Service (S3)
Scalable storage in the cloud

Amazon Elastic Block Store (EBS)
EC2 block storage volumes

Amazon Elastic File System (EFS)
Fully managed file system for EC2

Amazon FSx for Lustre
High-performance file system integrated with S3

Amazon FSx for Windows File Server
Fully managed Windows native file system

Amazon S3 Glacier
Low-cost archive storage in the cloud

AWS Backup
Centralized backup across AWS services

AWS Snow Family
Physical edge computing and storage devices for rugged or disconnected environments

AWS Storage Gateway
Hybrid storage integration

CloudEndure Disaster Recovery
Highly automated disaster recovery

STORAGE

AMAZON S3	AMAZON EBS	AMAZON EFS
Can be publicly accessible Web interface Object Storage Scalable Slower than EBS and EFS	Accessible only via the given EC2 Machine File System interface Block Storage Hardly scalable Faster than S3 and EFS	Accessible via several EC2 machines and AWS services Web and file system interface Object storage Scalable Faster than S3, slower than EBS
Good for storing backups	Is meant to be EC2 drive	Good for shareable applications and workloads