Compute

- **EC2** — Virtual Machine (Any App / OS / H/W)
- **Elastic Beanstalk** — Application Platform (App / App Platform / OS / H/W)
- **Lambda** — Serverless Computing (Function / Function Platform / H/W)
- **Batch** — Batch Job Processing
- **Lightsail** — Virtual Private Server

Contact Center

- **Connect** — Contact Center

Container

Control Plane
- **ECS** — Container Orchestration
- **EKS** — Managed Kubernetes

Data Plane
- **EC2**
- **Fargate** — Serverless compute for containers

Mobile Backend

AWS Cloud
- **SNS** — Notification
- **API Gateway** — Create APIs
- **Lambda** — Serverless Computing
- **DynamoDB** — NoSQL Database
- **Cognito** — User Sign-In, and Access Control

Management

- **Trusted Advisor** — Follow AWS best practices
- **CloudTrail** — Track API usage
- **Config** — Record configurations of AWS resources
- **Organizations** — Multiple Accounts
- **Systems Manager** — Operation Hub for AWS Resources
- **License Manager** — Manage Software License Usage
- **Managed Services** — Operated by AWS

High Availability Web System

AWS Cloud
- **Route53** — DNS
- **Certificate Manager** — SSL/TLS Certificates
- **CloudFront** — Content Delivery Network
- **WAF** — Web Application Firewall
- **Shield** — DDos Protection

Region

VPC

Availability Zone
- **EBS** — Block Storage
- **EC2** — Virtual Machine

Auto Scaling group

Availability Zone
- **EC2** — Virtual Machine
- **EBS** — Block Storage

Multi-AZ
- **RDS**
- **RDS** — Relational Database

Multi-AZ
- **Elasticache**
- **Elasticache** — In-memory Cache

- **CloudWatch** — Monitoring Metrics and Logs
- **EFS** — Network File Storage
- **SecretsManager** — Storage for secrets (DB credentials etc.)
- **Systems Manager Parameter Store** — Storage for configuration data

Serverless Event Driven

AWS Cloud
- **S3** — Object Storage
- **EventBridge** — EventBus
- **SQS** — Queue
- **Lambda** — Serverless Computing

Private Network Connection

On-premise
- **Snowball Edge** — Edge Computing and Data Transfer Device

- **Direct Connect** — Dedicated Network

AWS Cloud
- **Storage Gateway** — Hybrid Cloud Storage
- **S3** — Object Storage
- **S3 Glacier** — Archive Storage
- **Workspaces** — VDI
- **Redshift** — Data Warehouse
- **Backup** — Backups across AWS services

IoT

AWS Cloud
- **Kinesis Video Streams**
- **QuickSight** — BI
- **IoT Core**
- **Kinesis Data Firehose** — Load Real-Time Streams
- Store →
- **S3** — Object Storage
- **Athena** — Query
- **Kinesis Data Streams** — Streaming Data
- Process →
- **Lambda** — Serverless Computing
- **Aurora** — High Performance MySQL/PostgreSQL

Developer Tool

- **CodePipeline** — Continuous Delivery Pipelines
- **CodeCommit** — Git Repository
- **CodeBuild** — Continuous Integration
- **CodeDeploy** — Deployment
- **CloudFormation** — Infrastructure as Code
- **CodeStar** — Project Templates

Financial Management

- **Cost & Usage Report** — Cost Report
- **Budges** — Budget

Security

- **IAM** — Access Control
- **Macie** — Discover and protect your sensitive data
- **S3**
- **Artifact** — Access to AWS' compliance reports
- **Inspector** — Vulnerability Management
- **EC2**
- **CloudHSM** — Hardware Security Module
- **ECR**
- **Detective** — Get to the Root Cause of Potential Security Issues
- **GuardDuty** — Threat Detection
- **CloudTrail**