

# AWS Cloud Practitioner - Quick Reference Sheet

<b>EC2:</b>	Elastic Compute Cloud - Scalable virtual machines for hosting apps.
<b>Lambda:</b>	Serverless compute service that runs code in response to events.
<b>S3:</b>	Simple Storage Service - Scalable object storage with high durability.
<b>EBS:</b>	Elastic Block Store - Block storage volumes for EC2 instances.
<b>EFS:</b>	Elastic File System - Managed NFS file storage for use with EC2.
<b>RDS:</b>	Relational Database Service - Managed SQL databases.
<b>DynamoDB:</b>	NoSQL database service with single-digit millisecond performance.
<b>Aurora:</b>	High-performance managed database compatible with MySQL/PostgreSQL.
<b>CloudFront:</b>	Content Delivery Network (CDN) for low-latency delivery.
<b>VPC:</b>	Virtual Private Cloud - Isolated network environment.
<b>IAM:</b>	Identity and Access Management - User and permissions control.
<b>CloudTrail:</b>	Tracks API usage for auditing and compliance.
<b>CloudWatch:</b>	Monitoring and logging service for AWS resources.
<b>Elastic Beanstalk:</b>	Platform as a Service for deploying apps automatically.
<b>Route 53:</b>	Scalable DNS and domain registration service.
<b>S3 Glacier:</b>	Archival storage for long-term data backup.
<b>AWS Shield:</b>	Managed DDoS protection for applications.
<b>WAF:</b>	Web Application Firewall to block malicious traffic.
<b>KMS:</b>	Key Management Service for encryption and key handling.
<b>SNS:</b>	Simple Notification Service - Push notifications and pub/sub.
<b>SQS:</b>	Simple Queue Service - Message queuing for decoupling apps.
<b>Trusted Advisor:</b>	Provides real-time best practice checks and recommendations.
<b>AWS Config:</b>	Tracks resource configurations and compliance over time.
<b>TCO Calculator:</b>	Estimates cost savings of AWS vs on-premises.
<b>Cost Explorer:</b>	Tool for viewing and managing AWS usage and costs.
<b>Free Tier:</b>	Limited free access to many AWS services for 12 months.
<b>Support Plans:</b>	Basic (free), Developer, Business, and Enterprise support tiers.
<b>Shared Responsibility Model:</b>	AWS manages infra security, you manage data & access.
<b>Global Infrastructure:</b>	Regions (global), Availability Zones (AZs), Edge Locations.
<b>Disaster Recovery Models:</b>	Backup-Restore, Pilot Light, Warm Standby, Multi-site.