

Cheat Sheet

AWS Service	Keywords
Security	
Amazon CloudWatch	Metrics, Logs, Alarms
AWS CloudTrail	Audit Events
AWS WAF	Firewall, SQL injection, Cross-site scripting (XSS), Layer 7 attacks
AWS Shield	DDoS attack, Layer 3 & 4 attacks
Amazon Macie	Sensitive Data, Personally Identifiable Information (PII)
Amazon Inspector	EC2 Security Assessment, Unintended Network Accessibility
Amazon GuardDuty	Analyze VPC Flow Logs, Threat Detection
AWS VPN	Online Network Connection, Long-term Continuous transfer, Low to Moderate Bandwidth
AWS Direct Connect	Private Secure Dedicated Connection, Long-term Continuous transfer, High Bandwidth
Application Integration	
Amazon SNS	Serverless, PubSub, Fan-out
Amazon SQS	Serverless, Decoupled, Queue, Fan-out
Amazon MQ	ActiveMQ
Amazon SWF	Serverless, Simple Workflow Service, Decoupled, Task Coordinator, Distributed & Background Jobs
AWS Step Functions (SF)	Orchestrate / Coordinate Lambda functions and ECS containers into a workflow
AWS OpsWork	Chef & Puppet
Storage	
EBS	Block Storage Volume for EC2
EFS	Network File System for EC2, Concurrent access
Amazon S3	Serverless, Block Storage - Photos & Videos, Website Hosting
Amazon Athena	Query data in S3 using SQL
AWS Snow Family	Offline Data Migration, Petabyte to exabyte Scale
AWS DataSync	Online Data Transfer, Immediate One-time transfer
AWS Storage Gateway	Hybrid Storage b/w On-premise and AWS
Compute	
AWS Lambda	Serverless, FaaS
Database	

AWS Service	Keywords
Amazon RDS	Relational Database - PostgreSQL, MySQL, MariaDB, Oracle, and SQL Server
Amazon Aurora	Relational Database - Amazon-Owned
Amazon DynamoDB	Serverless, key-value NoSQL Database - Amazon-Owned
Amazon DocumentDB	Document Database, JSON documents - MongoDB
Amazon Neptune	Graph Database, Social Media Relationship
Amazon Timestream	Time Series Database
Amazon Redshift	Columnar Database, Analytics, BI, Parallel Query
Amazon ElastiCache	Redis and Memcached, In-memory Cache
Amazon EMR	Elastic MapReduce, Big Data - Apache Hadoop, Spark, Hive, Hbase, Flink, Hudi
Amazon Elasticsearch Service	Elasticsearch, ELK
Microservices	
Elastic Container Registry (ECR)	Docker image repository, DockerHub
Elastic Container Service (ECS)	Docker container management system
AWS Fargate	Serverless ECS
AWS X-Ray	Trace Request, Debug
Developer	
AWS CodeCommit	like GitHub, Git-based Source Code Repository
AWS CodeBuild	like Jenkins CI, Code Compile, Build & Test
AWS CodeDeploy	Code deployment to EC2, Fargate, and Lambda
AWS CodePipeline	CICD pipelines, Rapid Software or Build Release
AWS CloudShell	CLI, Browser-based Shell
AWS Elastic Beanstalk	PaaS, Quick deploy applications - Java-Tomcat, PHP/Python-Apache HTTP Server, Node.js-Nginx
Amazon Workspaces	Desktop-as-a-Service, Virtual Windows or Linux Desktops
Amazon AppStream 2.0	Install Applications on Virtual Desktop and access it from Mobile, Tab or Remote Desktop through Browser
AWS CloudFormation	Infrastructure as Code, Replicate Infrastructure
AWS Certificate Manager (ACM)	Create, renew, deploy SSL/TLS certificates to CloudFront and ELB
AWS Migration Hub	Centralized Tracking on the progress of all migrations across AWS
AWS Glue	Data ETL (extract, transform, load), Crawler, Data Catalogue
AWS AppSync	GraphQL

AWS Service	Keywords
Amazon Elastic Transcoder	Media (Audio, Video) converter

Important Ports

Protocol/Database	Port
FTP	21
SSH	22
SFTP	22
HTTP	80
HTTPS	443
RDP	3389
NFS	2049
PostgreSQL	5432
MySQL	3306
MariaDB	3306
Aurora	3306 or 5432
Oracle RDS	1521
MSSQL Server	1433