



Cheat Sheet

services marked in bold are popular during hackathons

Compute

EC2	Virtual Servers in the Cloud
EC2 Container Service (ECS)	Run and Manage Docker Containers
Elastic Beanstalk	Run and Manager Web Apps
Lambda	Run Your Code in Response to Events
Elastic Load Balancing	High Scale Load Balancing

Storage & Content Delivery

S3	Scalable Storage in the Cloud
EBS	EC2 Block Storage Volumes
Elastic File System	Fully Managed File System for EC2
Glacier	Low-Cost archive Storage in the Cloud
Storage Gateway	Hybrid Storage Integration

Database

RDS	Managed Relational Database Service for Amazon Aurora, MySQL, PostgreSQL, Oracle, SQL Server, and MariaDB
DynamoDB	Managed NoSQL Databases
ElastiCache	In-Memory Caching Service
Redshift	Fast, Simple, Cost-Effective Data Warehousing

Networking

VPC	Isolated Cloud Resources
Direct Connect	Dedicated Network Connection to AWS
Elastic Load Balancing	High Scale Load Balancing

Analytics

QuickSight	Fast Business Intelligence Service
Redshift	Fast, Simple, Cost-Effective Data Warehousing
Machine Learning	Machine Learning for Developers
Kinesis	Work with Real-Time Streaming Data
Elasticsearch	Run and Scale Elasticsearch Clusters
EMR	Hosted Hadoop Framework
Data Pipeline	Orchestration Service for Periodic, Data-Driven Workflows

Mobile Services

Mobile Hub	Build, Test, and Monitor Mobile Apps
API Gateway	Build, Deploy, and Manage APIs
Cognito	User Identity and App Data Synchronization
Device Farm	Test Android, FireOS, and iOS Apps on Real Devices in the Cloud
Mobile Analytics	Collect, View, and Export App Analytics
Mobile SDK	Mobile Software Development Kit
Simple Notification Service	Push Notification Service

Internet of Things

AWS IoT	Connect Devices to the Cloud
Device SDK	Connect, Authenticate and Exchange Messages
Registry	Unique Identity to Each Device
Device Shadows	Persistent Device State
Rules Engine	Transform Device Messages Based on Rules

Developer Tools

CodeCommit	Store Code in Private Git Repositories
CodeDeploy	Automate Code Deployments
CodePipeline	Release Software using Continuous Delivery

Management Tools

CloudWatch	Monitor Resources and Applications
CloudFormation	Create and Manage Resources with Templates
CloudTrail	Track User Activity and API Usage
Config	Track Resource Inventory and Changes

Security & Identity

IAM	Manage User Access and Encryption Keys
Certificate Manager	Provision, Manage, and Deploy SSL/TLS Certificates
CloudHSM	Hardware-Based Key Storage for Regulatory Compliance
Key Management Service (KMS)	Managed Creation and Control of Encryption Keys
Directory Service	Host and Manage Active Directory
Inspector	Analyze Application Security
Web Application Firewall (WAF)	Filter Malicious Web Traffic

Application Services

API Gateway	Build, Deploy, and Manage APIs
AppStream	Low-Latency Application Streaming
CloudSearch	Managed Search Service
Elastic Transcoder	Easy-to-User Scalable Media
Simple Email Service	Email Sending and Receiving Service
Simple Notification Service	Push Notification Service
Simple Queue Service	Messsage Queue Service
Simple Workflow Service	Workflow Service for Coordinating Application Components