

# AWS Services/Categories

## Overview

AWS Cloud  
Practitioner Exam  
(Cheat Sheet)



# Application Integration:

Serial No	Service Name	Overview	Features & Benefits
1	Amazon Athena	Query service	Query data in Amazon S3 using standard SQL
2	AWS Data Exchange	Data sharing	Easily find, subscribe to, and use third-party data
3	Amazon EMR	Big data platform	Process vast amounts of data quickly and cost-effectively
4	AWS Glue	ETL service	Extract, transform, and load (ETL) data for analytics
5	Amazon Kinesis	Real-time data streaming	Collect and analyze real-time, streaming data

Serial No	Service Name	Overview	Features & Benefits
6	<b>Amazon Managed Streaming for Apache Kafka (Amazon MSK)</b>	<b>Managed Kafka service</b>	<b>Build and run applications that use Apache Kafka</b>
7	<b>Amazon OpenSearch Service</b>	<b>Search and analytics</b>	<b>Search, analyze, and visualize data in real-time</b>
8	<b>Amazon QuickSight</b>	<b>Business analytics</b>	<b>Fast, cloud-powered business intelligence service</b>
9	<b>Amazon Redshift</b>	<b>Data warehousing</b>	<b>Fast, scalable, and fully managed data warehouse</b>

Serial No	Service Name	Overview	Features & Benefits
10	Amazon EventBridge	Event bus service	Simplify the building of event-driven applications
11	Amazon Simple Notification Service (Amazon SNS)	Notification service	Send messages, alerts, and notifications
12	Amazon Simple Queue Service (Amazon SQS)	Managed message queues	Decouple and scale microservices, distributed systems
13	AWS Step Functions	Serverless orchestration	Coordinate distributed applications using visual workflows

# **Business Applications:**

Serial No	Service Name	Overview	Features & Benefits
14	<b>Amazon Connect</b>	<b>Contact center</b>	<b>Cloud-based customer contact center service</b>
15	<b>Amazon Simple Email Service (Amazon SES)</b>	<b>Email service</b>	<b>Send and receive email using a highly scalable service</b>

# Cloud Financial Management:

Serial No	Service Name	Overview	Features & Benefits
16	<b>AWS Billing Conductor</b>	<b>Cost tracking</b>	<b>Organize your AWS bills and payment information</b>
17	<b>AWS Budgets</b>	<b>Cost and usage tracking</b>	<b>Set custom cost and usage budgets</b>
18	<b>AWS Cost and Usage Report</b>	<b>Cost analysis</b>	<b>Gain comprehensive insights into your AWS cost and usage</b>
19	<b>AWS Cost Explorer</b>	<b>Cost analysis</b>	<b>Visualize, understand, and manage your AWS costs</b>
20	<b>AWS Marketplace</b>	<b>Software marketplace</b>	<b>Find, buy, and deploy software and services</b>

# Compute:

Serial No	Service Name	Overview	Features & Benefits
21	AWS Batch	Batch computing	Run batch computing workloads
22	Amazon EC2	Virtual servers	Scalable compute capacity in the cloud
23	AWS Elastic Beanstalk	App deployment	Platform as a Service (PaaS) for easy app deployment
24	Amazon Lightsail	Simple virtual servers	Easy-to-use virtual private servers (VPS)
25	AWS Local Zones	Edge computing	Low-latency compute and storage
26	AWS Outposts	Hybrid cloud	Run AWS infrastructure and services on-premises
27	AWS Wavelength	5G edge computing	Ultra-low latency for mobile and connected applications

# Containers:

Serial No	Service Name	Overview	Features & Benefits
28	<b>Amazon Elastic Container Registry (Amazon ECR)</b>	Docker container registry	<b>Store, manage, and deploy Docker container images</b>
29	<b>Amazon Elastic Container Service (Amazon ECS)</b>	Container orchestration	<b>Easily run, stop, and manage Docker containers</b>
30	<b>Amazon Elastic Kubernetes Service (Amazon EKS)</b>	Kubernetes service	<b>Deploy, manage, and scale containerized applications</b>

# Customer Engagement:

Serial No	Service Name	Overview	Features & Benefits
31	<b>AWS Activate for Startups</b>	<b>Startup benefits</b>	<b>Credits, training, and technical support for startups</b>
32	<b>AWS IQ</b>	<b>Expert help</b>	<b>Find, engage, and pay AWS-certified experts</b>
33	<b>AWS Managed Services (AMS)</b>	<b>Managed services</b>	<b>Proactive management of AWS infrastructure</b>
34	<b>AWS Support</b>	<b>Technical support</b>	<b>Access to AWS experts and technical support</b>

# Database:

Serial No	Service Name	Overview	Features & Benefits
35	Amazon Aurora	Relational database	High-performance managed relational database
36	Amazon DynamoDB	NoSQL database	Fast and flexible NoSQL database service
37	Amazon MemoryDB for Redis	In-memory database	Fully managed, Redis-compatible in-memory database
38	Amazon Neptune	Graph database	Fully managed graph database service
39	Amazon RDS	Relational database service	Set up, operate, and scale a relational database

# Developer Tools:

Serial No	Service Name	Overview	Features & Benefits
40	<b>AWS AppConfig</b>	<b>Application configuration</b>	<b>Create, manage, and quickly deploy application configurations</b>
41	<b>AWS CLI</b>	<b>Command-line interface</b>	<b>Unified tool to manage AWS services</b>
42	<b>AWS Cloud9</b>	<b>Cloud-based integrated development environment</b>	<b>Write, run, and debug code with just a browser</b>
43	<b>AWS CloudShell</b>	<b>Command-line interface in the AWS Management Console</b>	<b>Browser-based shell for managing AWS resources</b>
44	<b>AWS CodeArtifact</b>	<b>Software packages</b>	<b>Secure, scalable, and cost-effective artifact repository</b>
45	<b>AWS CodeBuild</b>	<b>Build service</b>	<b>Build, test, and package code quickly and at scale</b>

<b>Serial No</b>	<b>Service Name</b>	<b>Overview</b>	<b>Features &amp; Benefits</b>
46	<b>AWS CodeCommit</b>	<b>Source control service</b>	<b>Host secure and scalable Git repositories</b>
47	<b>AWS CodeDeploy</b>	<b>Deployment service</b>	<b>Automate code deployments to any instance</b>
48	<b>AWS CodePipeline</b>	<b>Continuous delivery service</b>	<b>Build, test, and deploy code changes</b>
49	<b>AWS CodeStar</b>	<b>Develop and deploy applications</b>	<b>Fully managed service for building, testing, and deploying applications</b>
50	<b>AWS X-Ray</b>	<b>Application performance monitoring</b>	<b>Analyze and debug distributed applications</b>

# End User Computing:

Serial No	Service Name	Overview	Features & Benefits
51	Amazon AppStream 2.0	Streaming desktop apps	Stream desktop applications to a web browser
52	Amazon WorkSpaces	Managed desktops	Cloud desktop service for secure access
53	Amazon WorkSpaces Web	Web access for WorkSpaces	Access Amazon WorkSpaces from a web browser

# Frontend Web and Mobile:

Serial No	Service Name	Overview	Features & Benefits
54	<b>AWS Amplify</b>	<b>Full-stack development</b>	<b>Develop and deploy web and mobile applications</b>
55	<b>AWS AppSync</b>	<b>Real-time data</b>	<b>Create interactive GraphQL APIs</b>
56	<b>AWS Device Farm</b>	<b>Mobile app testing</b>	<b>Test your Android, iOS, and web applications on real devices</b>

# **Internet of Things (IoT):**

Serial No	Service Name	Overview	Features & Benefits
57	AWS IoT Core	IoT device management	Connect IoT devices to the cloud
58	AWS IoT Greengrass	Edge computing	Run local compute, messaging, and data caching
59	AWS IoT 1-Click	One-click device setup	Simplify the setup of new IoT devices

# Machine Learning:

Serial No	Service Name	Overview	Features & Benefits
60	Amazon Comprehend	Natural language processing	Discover insights and relationships in text
61	Amazon Kendra	Enterprise search	Add search to applications and websites
62	Amazon Lex	Chatbots	Build conversational interfaces
63	Amazon Polly	Text-to-speech service	Turn text into lifelike speech
64	Amazon Rekognition	Image and video analysis	Deep learning-based image and video analysis
65	Amazon SageMaker	Machine learning	Build, train, and deploy machine learning models
66	Amazon Textract	Document text extraction	Extract text, forms, and tables from documents
67	Amazon Transcribe	Automatic speech recognition	Convert spoken language into written text
68	Amazon Translate	Language translation	Language translation in real-time

# Management and Governance:

Serial No	Service Name	Overview	Features & Benefits
69	<b>AWS Auto Scaling</b>	<b>Scaling resources</b>	<b>Scale your applications automatically</b>
70	<b>AWS CloudFormation</b>	<b>Infrastructure as code</b>	<b>Create and provision AWS infrastructure</b>
71	<b>AWS CloudTrail</b>	<b>Logging and monitoring</b>	<b>Record AWS API calls for auditing</b>
72	<b>Amazon CloudWatch</b>	<b>Monitoring and observability</b>	<b>Monitor AWS resources and applications</b>
73	<b>AWS Compute Optimizer</b>	<b>Resource optimization</b>	<b>Automatically analyze AWS resources</b>
74	<b>AWS Config</b>	<b>Configuration management</b>	<b>Assess, audit, and evaluate configurations</b>
75	<b>AWS Control Tower</b>	<b>Multi-account management</b>	<b>Set up and govern a secure multi-account environment</b>
76	<b>AWS Health Dashboard</b>	<b>Personalized alerts</b>	<b>Get alerts about events that directly impact you</b>

Serial No	Service Name	Overview	Features & Benefits
77	<b>AWS Launch Wizard</b>	<b>Migration and deployment</b>	<b>Simplify deployment and migration</b>
78	<b>AWS License Manager</b>	<b>Software licensing</b>	<b>Track and manage software licenses</b>
79	<b>AWS Management Console</b>	<b>Web-based interface</b>	<b>Access and manage AWS resources</b>
80	<b>AWS Organizations</b>	<b>Multi-account management</b>	<b>Policy-based management for multiple AWS accounts</b>
81	<b>AWS Resource Groups and Tag Editor</b>	<b>Resource organization</b>	<b>Create, maintain, and view resource groups</b>
82	<b>AWS Service Catalog</b>	<b>Service provisioning</b>	<b>Create, deploy, and manage IT services</b>
83	<b>AWS Systems Manager</b>	<b>Operations management</b>	<b>Gain operational insights and take action</b>
84	<b>AWS Trusted Advisor</b>	<b>Cost optimization</b>	<b>Optimize AWS resources and improve security</b>
85	<b>AWS Well-Architected Tool</b>	<b>Best practices</b>	<b>Review and improve your workloads</b>

# Migration and Transfer:

Serial No	Service Name	Overview	Features & Benefits
86	<b>AWS Application Discovery Service</b>	<b>Application discovery</b>	<b>Discover and plan application migration</b>
87	<b>AWS Application Migration Service</b>	<b>Application migration</b>	<b>Migrate applications to AWS</b>
88	<b>AWS Database Migration Service (AWS DMS)</b>	<b>Database migration</b>	<b>Migrate databases to AWS</b>
89	<b>AWS Migration Hub</b>	<b>Migration tracking</b>	<b>Track the progress of application migrations</b>
90	<b>AWS Schema Conversion Tool (AWS SCT)</b>	<b>Database schema conversion</b>	<b>Convert your database schema to AWS</b>
91	<b>AWS Snow Family</b>	<b>Data transfer devices</b>	<b>Physical devices for data import/export</b>
92	<b>AWS Transfer Family</b>	<b>Secure file transfer</b>	<b>Securely transfer files to and from AWS services</b>

# **Networking and Content Delivery:**

Serial No	Service Name	Overview	Features & Benefits
93	<b>Amazon API Gateway</b>	<b>API creation</b>	<b>Build, deploy, and manage APIs</b>
94	<b>Amazon CloudFront</b>	<b>Content delivery</b>	<b>Fast, secure, and programmable content delivery</b>
95	<b>AWS Direct Connect</b>	<b>Network connectivity</b>	<b>Dedicated network connection to AWS</b>
96	<b>AWS Global Accelerator</b>	<b>Global application networking</b>	<b>Improve availability and performance</b>
97	<b>Amazon Route 53</b>	<b>Domain naming</b>	<b>Scalable and highly available domain name system</b>
98	<b>Amazon VPC</b>	<b>Networking</b>	<b>Isolated network resources and security</b>
99	<b>AWS VPN</b>	<b>Virtual private network</b>	<b>Securely connect to your AWS resources</b>

# **Security, Identity, and Compliance:**

Serial No	Service Name	Overview	Features & Benefits
100	AWS Artifact	Compliance artifacts	On-demand access to AWS compliance reports
101	AWS Audit Manager	Risk assessment	Streamline and automate audit preparation
102	AWS Certificate Manager (ACM)	SSL/TLS certificates	Deploy public and private certificates
103	AWS CloudHSM	Hardware security module	Protect data using dedicated encryption hardware
104	Amazon Cognito	Identity and user management	Securely manage user identities and authentication
105	Amazon Detective	Security investigation	Analyze, investigate, and quickly identify the root cause of security findings
106	AWS Directory Service	Active Directory	Managed Active Directory in the AWS Cloud
107	AWS Firewall Manager	Security policy management	Centralized management of AWS WAF and Shield

Serial No	Service Name	Overview	Features & Benefits
108	<b>Amazon GuardDuty</b>	<b>Threat detection</b>	<b>Managed threat detection service</b>
109	<b>AWS Identity and Access Management (IAM)</b>	<b>Access control</b>	<b>Securely manage access to AWS services</b>
110	<b>AWS IAM Identity Center (AWS Single Sign-On)</b>	<b>SSO solution</b>	<b>Centralized SSO access to multiple AWS accounts and business applications</b>
111	<b>Amazon Inspector</b>	<b>Vulnerability assessment</b>	<b>Analyze application security</b>
112	<b>AWS Key Management Service (AWS KMS)</b>	<b>Encryption</b>	<b>Create and control encryption keys</b>
113	<b>Amazon Macie</b>	<b>Data protection</b>	<b>Discover, classify, and protect sensitive data</b>

Serial No	Service Name	Overview	Features & Benefits
114	<b>AWS Network Firewall</b>	<b>Network security</b>	<b>Protect your VPCs and applications</b>
115	<b>AWS Resource Access Manager (AWS RAM)</b>	<b>Resource sharing</b>	<b>Share AWS resources across accounts</b>
116	<b>AWS Secrets Manager</b>	<b>Secure secret storage</b>	<b>Rotate, manage, and retrieve database credentials, API keys, and other secrets</b>
117	<b>AWS Security Hub</b>	<b>Security and compliance</b>	<b>Comprehensive security and compliance reporting</b>
118	<b>AWS Shield</b>	<b>DDoS protection</b>	<b>Protection against DDoS attacks</b>
119	<b>AWS WAF</b>	<b>Web application firewall</b>	<b>Protect web applications from common web exploits</b>

# Serverless:

Serial No	Service Name	Overview	Features & Benefits
120	AWS Fargate	Serverless compute	Serverless compute engine for containers
121	AWS Lambda	Serverless compute	Run code without provisioning or managing servers

# Storage:

Serial No	Service Name	Overview	Features & Benefits
122	<b>AWS Backup</b>	<b>Data backup</b>	<b>Centralized backup of AWS resources</b>
123	<b>Amazon Elastic Block Store (Amazon EBS)</b>	<b>Block storage</b>	<b>High-performance block storage</b>
124	<b>Amazon Elastic File System (Amazon EFS)</b>	<b>File storage</b>	<b>Scalable and fully managed file storage</b>
125	<b>AWS Elastic Disaster Recovery</b>	<b>Disaster recovery</b>	<b>Fully automated disaster recovery</b>
126	<b>Amazon FSx</b>	<b>File storage</b>	<b>Fully managed file storage for Windows and Lustre</b>
127	<b>Amazon S3</b>	<b>Object storage</b>	<b>Scalable, secure, and durable object storage</b>
128	<b>Amazon S3 Glacier</b>	<b>Cold storage</b>	<b>Secure, durable, and low-cost cold storage</b>
129	<b>AWS Storage Gateway</b>	<b>Hybrid storage</b>	<b>Hybrid cloud storage for on-premises and cloud workloads</b>