

Sr No	Services/Tools	Keyword 1	Keyword 2	Keyword 3	Keyword 4	Keyword 5
1	API gateway	creates RESTful APIs	HTTP based/stateless client-server	GET/POST/PUT/PATCH/DELETE	WebSocket APIs	Penetration testing
2	Cost Explorer	cost & usage over time	analyze cost & usage data	monthly/hourly forecast upto 12 months on previous data		
3	AWS Cost and Usage Report	Deep analysis into cost & usage	Integrated with Athena/Redshift/QuickSight			
4	AWS Command Line Interface (CLI)/SDK/Management Console	Access AWS services	AWS Management Console (protected by password + MFA) AWS Command Line Interface (CLI)/SDK (protected by access keys)			
5	Elastic Load Balancers	distributes traffic on healthy servers				
6	Amazon EC2 instance types (for example, Reserved, On-Demand, Spot)	Spot-bid/interruptible	On-Demand - pay per hour/costly	Reserved- reserved for 1 to 3 yrs	Dedicated host-owner/licence	
7	AWS global infrastructure (for example, AWS Regions, Availability Zones)	Region consists of AZs	AZs consists of data centres	Data centres- where AWS store our logical servers&storage		
8	Infrastructure as Code (IaC)	CloudFormation	Opsworks			
9	Amazon Machine Images (AMIs)	Volumes- all EBS	Snapshot- captured worked data			
10	AWS Management Console	source/interface to access AWS services				

11	AWS Marketplace	buy/sell/find 3rd party s/w	SAAS/containers/CF templates/ AMI			
12	AWS Professional Services	global team of experts for AWS solutions				
13	AWS Partner Network - APN	Technology partners	Consulting Partners	Training Partners		
14	AWS Personal Health Dashboard	alerts & guidance on events that may impact customer	aggregate data from organization			
15	Security groups	above EC2	stateful			
16	NACL - Network Access Control List	above subnet	stateless			
17	AWS Service Catalog	catalogs of IT services approved for AWS				
18	AWS Service Health Dashboard	general status of AWS services				
19	Service quotas	limit of AWS services	region specific	can increse quotas		
20	AWS software development kits (SDKs)	source/interface to access AWS services				
21	AWS Support Center	customer service	sales/compliance/technical/billing/account support			
22	Virtual private networks (VPNs)	public internet	Customer Gateway at On premises			
23	Direct Connect	Private network connection	aws to on premises			

24	Site to Site VPN	tunnel	Customer gateway at on premises	Virtual Private Gateway at AWS		
	AWS services and features					
	Analytics:					
25	Amazon Athena	NoSQL	Analysis	serverless		
26	Amazon Kinesis	Big data streaming	Analysis	firehose	s3/redshift	
27	Amazon QuickSight	graphical dashboard				
28	Application Integration:					
29	Amazon Simple Notification Service (Amazon SNS)	A2A	A2P	Publisher	SNS Topic	Subscribers
30	Amazon Simple Queue Service (Amazon SQS)	Massages	Dead msg Queue	visibility timeout		
	Compute and Serverless:					
31	AWS Batch	compute	batch job	serverless	cost optimization	
32	Amazon EC2	compute	IAAS	virtual machine	deploy applicatgion & database servers	
33	AWS Elastic Beanstalk	compute	PAAS	code provision		
34	AWS Lambda	compute	event-driver	serverless	pay what you use	
35	Amazon Lightsail	compute	Alternative to EC2	No Auto scalling	Low And Predictable Workload	Pre-Configured
36	Amazon WorkSpaces	Provide Thousands of OS to your Device	Linux Desktop Environment			

	Containers:					
37	Amazon Elastic Container Service (Amazon ECS)	Launch DOCKER Containers	Customer Responsible For Infrastructure			
38	Amazon Elastic Kubernetes Service (Amazon EKS)	Run DB in Container	Deploy / Maintain / Scale Containerized application			
39	AWS Fargate	Launch DOCKER Containers	Aws is Responsible	serverless		
	Database:					
40	Amazon RDS	MySQL	schema	OLTP	Aurora/Microsoft sql /Oracle/mariaDB/Postgresql	
41	Amazon Aurora	MySQL	5x than MySQL	3x than PostgreSQL	proprietary DB of AWS	
42	Amazon DynamoDB	NO SQL	Serverless	Massive Workload	Auto Scaling	MilliSEC latency/3Az Replication
43	Amazon ElastiCache	Read Intensive	Only For RDS	High Performance		
44	Amazon Redshift	Data Warehouse	10x Faster	OLAP	Scaling Upto PB	
45	DAX	Only For DynamoDB	Micro sec Latency	10x Better than DynamoDB		
	Developer Tools:					
46	AWS CodeCommit	code versions	GitHub	codeArtifact	code store	
47	AWS CodeBuild	Run Test Debug	Produce Packages	Pay For Building Time		

48	AWS CodeDeploy	Deployment service	Hybrid Service			
49	AWS CodePipeline	Orchestration	CICD pipeline			
50	AWS CodeStar	Edit Code In Running State				
	Customer Engagement:					
51	Amazon Connect	OmniChannel	Cloud Contact Center	Customer Engaement		
	Management, Monitoring, and Governance:					
52	AWS Auto Scaling	Scalability / Elasticity	Auto Scalling Group			
53	AWS Budgets	Threshold Amount	Reserved Instance	3 Types - Usage, Cost , Reservation		
54	AWS CloudFormation	Deployment service	Infrastrutctured As Code	Templates		
55	AWS CloudTrail	Audit/ Compailance/ Governance	API Call	Stores Log in S3 And CloudWatch Log		
56	Amazon CloudWatch	Monitoring	Biling Alarms	CPU utilization	Adujstable Retention	
57	AWS Config	Auding / record Compliance	Record Changes / record Configuration		Stores Configuration Data In S3	
58	AWS Cost and Usage Report	Dive Deeper	Includes Meta Data	Integrated With Athena / redshift / QuickSight		
59	Amazon EventBridge (Amazon CloudWatch Events)	Cron Jobs	Event Pattern	Trigged Lambda Function		

60	AWS License Manager	Manages Software Licences	Bring Your Own Licence (BYOL)	Manages Renewal And Termination Of Licence		
61	AWS Managed Services	Provides Proactive / Preventative/Detective Capabilities				
62	AWS Organizations	Consolidated Billing	Volume Discount	Multiple Account 1 bill	Department Wise Cost Tracking	SCP
63	AWS Secrets Manager	Centrally Managed Life Cycle Of Secrets	Automated Secret Rotation	Audit And Monitor Secrets		
64	AWS Systems Manager	Manages Workflow / Provide Session		Alternative To OPSwork		
65	AWS Systems Manager Parameter Store	To Store Parameters In System Manager				
66	AWS Trusted Advisor	Performance/ Fault Tolerance/Service Limit/ Cost Optimization / Security	ASG/EBS	Unrestricted Grant Permission	Provide Recommendations	
67	Networking and Content Delivery:	CloudFront	Low Latency Performance	Global Service	Edge Location	
68	Amazon API Gateway	API call				
69	AWS Direct Connect	Connect Privately	Secure /Fast	Dedicated Physical connection		

70	Site-To- Site Peering	Over Public Network	Uses Customer Gateway And VPG			
71	Amazon Route 53	DNS	Simple Routing/Failover /GeoLocation/ Weighted/ MutiValue/Latency	Global Service		
72	Amazon VPC	Logically Isolated Network	Private Network			
	Security, Identity, and Compliance:					
73	AWS Artifact	SOC 1	ISO Certification	PCI - Credit Card / Payment Purpose	BAA	HIPAA- Health Care
74	AWS Certificate Manager (ACM)	TLS	SSL	X.509 Certificate	store and renewe	Import Thord Party Certificate
75	AWS CloudHSM	Used To Protect KMS	Hardware Securty Module			
76	Amazon Cognito	Assign Unique ID	Use For Login			
77	Amazon Detective	FindSuspesious Activity	Root Cause	Machiin Learning And Graphs		
78	Amazon GuardDuty	Threat Detection	Uses Machin Learning	Detects Malicious Activity		
79	AWS Identity and Access Management (IAM)	MFA	Password Policy	Permission Policy		
80	Amazon Inspector	Vulnaribility	Automated security Assessments			

81	Amazon Macie	Protect Sensitive Data / PII	Use Machine Learning	Pattern Matching		
82	AWS Shield	DDOS	It Has Edge Location	Standard / Advanced		
83	AWS WAF	Deploy On Application Load Balancer / Layer 7	API Gateway	CloudFront	Web Exploit/DDOS	SQL injection / XSS
	Storage:					
84	AWS Backup	For Backup Purpose				
85	Amazon Elastic Block Store (Amazon EBS)	Block Level Storage	Supports HDD AND SSD	EBS Volume Snapshots		
86	Amazon Elastic File System (Amazon EFS)	Use For Linus Based OS	File Level Storage	FSx For Windows / Lustre / ONTAP (Fully Managed)		
87	Amazon S3	Object Level Storage	Regional Service(Not Fully Global)	Intelligent tiering	Bucket access Policy For Bucket / ACL for Object	
88	Amazon S3 Glacier	Archive Data	Large Data			
89	Amazon SnowMobile	Offline	< 100 pb Storage	EB migration Size		
90	AWS Snowcone	Online / Offline	8 TB storage	Upto 24 Tb		
91	AWS Snowball Edge	Offline	80 tb Storage	Upto PB Migration		
92	AWS Storage Gateway	Seamlessly Connect On-Premises to Aws	Data transfer			