

Service	Keywords
WAF	Web Application Firewall && HTTP / HTTPS && Layer 7 && prevent SQL injection && block geographies
Route 53	block geographies
AWS Shield Standard	TCP / UDP (Transport Layer ==> Layer 4) && Network Layer ==> Layer 3 && Enabled by default
AWS Shield Advanced	DDoS response team ==> DRT && Layer 3, 4, 7 protection && (EC2, ELB, Amazon CloudFront, Route 53, AWS Global Accelerator)
GardeDuty	threat detection && monitor malicious activity and unauthorised behaviour
Access Key	(Access Key ID + Secret Access Key) to access AWS resources programmatically && tied to IAM user
Dedicated Host	Bring Your Own (Server-bound) License ==> BYOL (e.g. Microsoft)
Dedicated Instance	NO BYOL && Physical Level
CloudFormation	Programming language or text to provision resources across regions or accounts
Budget	Alert && Forecast && Threshold ==> Usage, reservation, cost budget
Pricing Calculator	Estimate cost
Cloud Trail	Auditing (log && monitor && retain account activity) && encryption enabled by default
Trusted Advisor	recommendation (cost optimisation && performance && fault tolerance && security && service limits) && under-utilised
AWS Compute Optimizer	choose optimal configuration (EC2, EC2 auto scaling, EBS, Lambda) ==> to reduce cost and improve performance
System Manager	Manage infrastructure at scale && group resources by application
AWS Cost Explorer	top-five cost && know your cost trend && identify instances that are under-utilised
Cost & Usage Report	hourly, daily or monthly level
Pinpoint	Capturing customer usage data to draw real-time insights
Basic Support Plan	7 core Trusted Advisor checks
Developer Support Plan	email-based technical support && general architectural guidance && allow one contact to open unlimited cases
Business Support Plan	24 x 7 technical support and architectural guidance && full access to Trusted Advisor Best Practice Checks && additional fee for Infrastructure Event Management && phone based

Service	Keywords
Enterprise Support Plan	concierge-like service && Technical Account Manager (TAM) && free Infrastructure Event Management && online training && self-paced labs
VPC Endpoint Gateway	S3 && DynamoDB
VPC Endpoint Interface	Above items are not included
Security Group	instance level && only allow rule but not deny rules && seperate rules for inbound and outbound traffic
Network ACL (Network Access Control List)	subnet level && can either allow or deny traffic && seperate inbound and outbound rules && optional layer for VPC and acts like a firewall
NAT Gateway & NAT Instance	Both enable instances in a private subnet to connect to the internet or other AWS services (Gateway is managed by AWS but Instance is managed by you)
Site-to-Site VPN	Connect on-premise to AWS cloud resources with public internet && Customer Gateway + Virtual Private Gateway
AWS Direct Connect	On-premise to AWS with physical private connection
AWS VPN	On-premise to AWS
Amazon Inspector	security assessment service && check vulnerabilities and deviations for instances
AWS Config	Records AWS resources configurations
CloudWatch	CloudWatch provides data and actionable insights to monitor applications, respond to system-wide performance changes, optimize resource utilisation, and get a unified view of operational health.
Reservation	EC2, RDS, DynamoDB
Elastic Beanstalk	PaaS && deploying with control over AWS resources
Athena	analyze data in S3 using standard SQL
Redshift	data warehouse && analytical processing
DynamoDB	key-value and document database && multi-region, multi-master, built-in security, backup and restore && flexible schema
Amazon MQ	message broker
IAM	essential for implementing security of resources && global scope && Effect, Action
CloudFront	Global scope

Service	Keywords
Six Pillar	Operational Excellence, Security, Reliability, Performance Efficiency, Cost Optimization, Sustainability
EC2	per-second billing
DDoS	can be used services: AWS Shield, Route 53, AWS WAF
EMR	big data && Hadoop clusters
Local Zones	closer to end-users && low latency && support AWS Direct Connect && available (EC2, VPC, EBS, FSx, ELB, EMR, ElastiCache, RDS)
Edge Location	An AWS Edge location is a site that CloudFront uses to cache copies of the content for faster delivery to users at any location.
Wavelength	5G edge locations
Acceptable Use Policy	describes prohibited uses of the web services offered by Amazon Web Services
CLI	access all AWS services
SDK	access all AWS services
Service Health Dashboard	up-to-the-minute information on the status and availability of all AWS services
Personal Health Dashboard	case: hardware failure has impacted one of your EBS volumes
S3	object based && data encryption by default
EBS	block based
EFS	file based
CloudHSM	hardware device for data encryption operations
Gateway Type	Tape Gateway, File Gateway, Volume Gateway
Elastic Container Registry	store, manage and deploy Docker container images
FSx	File Server
Kendra	serverless, no machine learning to build && supports unstructured and semi-structured data in .html, MS Office (.doc, .ppt), PDF, and text formats.
Comprehend	natural-language processing to uncover information in unstructured data
Rekognition	regional in scope

Service	Keywords
Lambda	regional in scope
Knowledge Center	FQA && forum
Transit Gateway	Connects VPCs and on-premises networks through a central hub
VPC Peering	connection between two VPCs (traffic privately)
EFS	EC2 instances can access files on an EFS file system across many AZs, Regions and VPCs
Storage Gateway	data encryption by default (SSL)