

# Cloud Computing Assignment :- 04.

Ques Discuss each of Google cloud services in 2-3 line mention in following table:-

Service Category	Service	AWS	Google cloud
• Compute	IaaS	Amazon Elastic	Compute Engine
	PaaS	Compute cloud AWS	App Engine
	FaaS	Elastic Beans talk	cloud function
		Amazon Elastic	
		kubernetes AWS	
		Lambda	
• Containers	CaaS	Services, Amazon	Google kubernetes
		Elastic Container Service	Engine Cloud
	Container without infrastructure	AWS fargate	Run Container
	Container registry	Amazon Elastic	Registry
		Container Registry	
• Networking	Virtual Networks	Amazon Virtual	Google Domain
	Load balance	Private cloud Elastic	cloud DNS
	Dedicated	Load Balancer AWS	cloud CDN
	inter connect	Direct connect	Google cloud *
	Domain and	Amazon Route 53	cloud Storage
	DNS	Amazon cloud front	
	CDN	AWS shield, AWS	
	DDoS firewall	WAF	
• Management tools	Development	AWS cloud formation	cloud Deploy
	Cost	AWS Budgets	Manager
	Management		Cost Manager



Storage	Object storage Block storage Reduced-availability storage Archive storage Storage tile Storage Ix- memory data store Store	Amazon Simple Storage Service Amazon Simple Storage Service Amazon S3 standard Intelligent-Tiering Access One Zone Infrequent Access Amazon Glacier Amazon Elastic File System	Persistent Disk cloud storage Nearline and coldline cloud storage Archive tape store
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Database	RDBMS NoSQL: key-value NoSQL: general purpose in-memory data-store	Amazon Relational Database Service Amazon Aurora Amazon DynamoDB Amazon SimpleDB Amazon ElastiCache for Redis	cloud SQL, cloud spanner Firestore, cloud Bigtable filestore Memory store
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Data Analytics	Data warehouse Query Service Messaging Batch processing stream ingest work flow orchestration	Amazon Redshift Amazon Athena Amazon Simple Notification Service Amazon Elastic MapReduce AWS Batch AWS Kinesis Amazon Data Pipeline	BigQuery BigQuery Pub/Sub DataProc, DataFlow Data Flow Pub/Sub cloud Composer
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Internet of Things	IOT services	Amazon IOT	cloud IOT
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- Operations**

Monitoring	AWS CloudWatch	Cloud Monitor
Logging	AWS CloudWatch Logs	Cloud Logging
Logging	AWS CloudTrail	Cloud Audit Log
Performance tuning	AWS X-Ray	Cloud Debugging
	AWS X-Ray	Cloud Trace
- Security And IAM**

Identity	Amazon Identity and Access Management	Cloud Identity & Access Management
Secret Management	AWS Secret Manager	Secret Management
Encrypted Keys	AWS Key Management Service	Cloud Key Management
Resource Monitoring	AWS Config	Service Cloud Access
Vulnerability Scanning	Inspector	Amazon Inspector
Threat Detection	Guard Duty	AWS Scanner
Microsoft Active Directory	Microsoft Active Directory	Event Threat Detection
		Managed Service for Microsoft Active Directory
- Machine Learning**

Speech	Amazon Transcribe	Speech-to-Text
Natural Language processing	Amazon Rekognition	Cloud Vision
Translation	Amazon Comprehend	Cloud Natural Language
Conversational interface	Amazon Translate	API cloud
video intelligence	Amazon Lex	Translation
Auto-generated Models	Amazon Rekognition Video	Dialogflow
Managed ML	Amazon SageMaker	Enterprise Edition
	Autopilot	Video Intelligence
	Amazon SageMaker	API
		Auto ML
		AI Platform