

Assignment - 5

Service Category	Service	AWS	Google Cloud
Compute	FaaS	Amazon Elastic Compute Cloud	Compute Engine
	PaaS	AWS Elastic Beanstalk	App Engine
	FaaS	AWS Lambda Amazon Elastic Kubernetes	Cloud Functions
Containers	Serverless	Service, Amazon Elastic Container Service	Engine.
Containers	W/O Infrastructure	AWS Fargate	Cloud Run
Container registry	Amazon Elastic Container Registry	Container Registry	Container Registry
Networking	Virtual network	Amazon Virtual Private Cloud	Virtual Private Cloud
	Load balancer	Elastic Load Balancer	Cloud Load Balancing
Dedicated interconnect	AWS Direct Connect		Cloud Interconnect
Domains and DNS	Amazon Route 53		Google Domains, Cloud DNS
CDN	Amazon Cloud Front		Cloud CDN
DDoS	AWS Shield, AWS WAF		Google Cloud Armor.

Storage	Object Storage	Amazon Simple Storage Service	Cloud Storage
Block Storage	Amazon Elastic Block Store		Persistent Disk
Reduced availability Storage	Amazon S3 Standard	Cloud Storage	
	Infrequent Access, Nearline and		
	Amazon S3 One Zone-Infrequent	Cloud Storage	Coldlink.
	Access.		
Archival Storage	Amazon Glacier	Cloud Storage	Archive Filestore
File Storage	Amazon Elastic File System	Filestore	
In-Memory Data Store	Amazon ElastiCache for Redis	Memory store	
Database	RDBMS	Amazon Relational DB service, Amazon Aurora	Cloud SQL, Cloud Spanner
NoSQL - Key-Value	Amazon DynamoDB	File store, DB	Cloud Bikeytable
NoSQL-Indexed	Amazon SimpleDB	File store	
In-Memory Data Store	Amazon ElastiCache for Redis	Memory store	
Data			
Analytics	Data warehouse Query Service	Amazon Redshift	Big Data
		Amazon Athena	Big Data
Messaging	Amazon Simple Notification Service	Pub/Sub	
	Amazon Simple Queue Service		

Messaging ..

Batch data processing	Amazon Elastic Map Reduce, AWS Batch	Dataflow, Dataproc
Stream data Processing	Amazon Kinesis	Dataflow
Stream data Ingest	Amazon Kinesis	Pub/Sub
Workflow orchestration	Amazon Data Pipeline, AWS Step Functions	Cloud Composer
Management tools	AWS CloudFormation	Cloud Deployment Manager
Cost management	AWS Budgets	Cost Management
Operations	Monitoring	Cloud Monitoring
Lagrging	Amazon CloudWatch Logs	Cloud Logging
Audit logging	AWS CloudTrail	Cloud Audit logs
Debugging	AWS x-Ray	Cloud Debugger
Performance tracing	AWS x-Ray	Cloud Trace, CloudWatch Metrics
Internet of Things	Amazon IoT Services	Cloud IoT

Security & identity	JAM	Amazon Identity & Access Management	Cloud Identity & Access Management
Security	AWS Secrets Manager	AWS Secrets Manager	Secret Manager
Management	Encrypted Keys	AWS Key Management Service	Cloud Key Management Service
Vulnerability Scanning	Amazon Inspector	Amazon Inspector	Web Security Scanner
Threat detection	Amazon GuardDuty	Amazon GuardDuty	Event Threat Detection (Beta)
Microsoft Active Directory	AWS Directory Service	AWS Directory Service	AD for Microsoft Active Directory
Machine learning	Speech	Amazon Transcribe	Speech-to-Text
vision	Amazon Recognition	Amazon Recognition	Cloud vision
Natural language Processing	Amazon Comprehend	Amazon Comprehend	Cloud Natural Language API
Translation	Amazon Translate	Amazon Translate	Cloud Translation
Conversational interface	Amazon Lex	Amazon Lex	Dialogflow Enterprise Edition
Video intelligence	Amazon Rekognition	Amazon Rekognition	Video Intelligence API
Auto-generated models	Amazon SageMaker	Amazon SageMaker	AutoML
Fully managed ML	Amazon SageMaker	Amazon SageMaker	AI Platform