

Assignment - 4

Service Category	Service	AWS	Google Cloud
Compute	IaaS	Amazon Elastic Compute Cloud	Compute Engine
	PaaS	AWS Elastic Beanstalk	App Engine
	FaaS	AWS Lambda Amazon Elastic Kubernetes	Cloud Functions
Containers	Coas	Service, Amazon Elastic Container Service	Engine.
	Containers w/o Infrastructure	AWS Fargate	Cloud Run
	Containers registry	Amazon Elastic Container Registry	Containers Registry
Networking	Virtual Network	Amazon Virtual Private Cloud	Virtual Private Cloud.
	Load Balancer	Elastic Load Balancing	Cloud Load Balancing
	Dedicated interconnect	AWS Direct Connect	Cloud Interconnect
	Domain and DNS	Amazon Route 53	Google Domains, Cloud DNS
	CDN	Amazon Cloud Front	Cloud CDN

	DDos firewall	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 Infrequent Access, Amazon S3 one zone, Infrequent Access	cloud storage Nearline and cloud storage coldline
	Archival Storage	Amazon Glacier	cloud storage Archive
	File storage	Amazon Elastic File System	File store
	In memory data store	Amazon ElastiCache for Redis	Memory store
Database	RDBMS	Amazon Relational DB service, Amazon Aurora	cloud SQL, cloud spanner
	NO-SQL Key-value	Amazon Dynamo DB	File store, cloud Bigtable
	NO-SQL Indexed	Amazon Simple DB	File store
	In memory Data store	Amazon ElastiCache for Redis	Memory store.

Data Analytics	Data Warehouse	Amazon Redshift	Big Query
	Query Service	Amazon Athena	Big Query
	Managing	Amazon Simple Notification Service	Pub/Sub
		Amazon Simple Queuing Service	
	Batch data Processing	Amazon Elastic Map Reduce, AWS Batch	Dataproc, Dataflow
	Stream data Processing	Amazon Kinesis	Dataflow
	Stream data ingest	Amazon Kinesis	Pub/sub
	Workflow orchestration	Amazon Data pipeline, AWS Glue	cloud composer
Management Tools	Deployment	AWS Cloud Formation	Cloud Deployment Manager
	Cost Management	AWS Budgets	Cost Management
Operations	Monitoring	Amazon cloud watch	cloud monitoring
	Logging	Amazon cloud watch log	cloud logging
	Audit logging	AWS cloud trails	cloud Audit logs
	Debugging	AWS X-Ray	cloud Debugger
	Performance tracing	AWS X-Ray	cloud Trace
Internet of Things	IoT Services	Amazon IoT	cloud IoT

Security & Identity	IAM	Amazon Identity & Access Management	cloud Identity & Access Management
	Security Management	AWS Secrets Manager	Secret Manager
	Encrypted Keys	AWS Key Management Service	cloud key Management service.
	Resource Monitoring	AWS Config	cloud Asset Inventory.
	Vulnerability Scanning	Amazon Inspector	Web security scanner
	Threat detection	Amazon GuardDuty	Event Threat Detection (Beta)
	Microsoft Active Directory	AWS Directory Service	Managed service for microsoft Active Directory
Machine Learning	Speech	Amazon Transcribe	speech-to-text
	vision	Amazon Rekognition	cloud vision
	Natural language processing	Amazon Comprehend	cloud Natural language API
	Translation	Amazon Translate	cloud Translation
	Conversation		Dialogflow
	Interface video	Amazon Len, Amazon Rekognition video	cloud Enterprise Edition video
	intelligence		Intelligence API
	Auto generated Model factory managed ML		

Auto-generated Models	Amazon Sage Maker Autopilot	Auto ML
Fully Managed ML	Amazon Sage Maker	AI Platform