

# CLOUD COMPUTING

## Assignment - 5

### Google Cloud Computing Services

<u>Service Category</u>	<u>Service</u>	<u>AWS</u>	<u>Google Cloud</u>
<u>Compute</u>	IaaS	Amazon Elastic Compute Cloud	Compute Engine
	PaaS	AWS Elastic Beanstalk	App Engine
	FaaS	AWS Lambda	Cloud Function
<u>Containers</u>	CaaS	Amazon Elastic Kubernetes Service	Google Kubernetes Engine
		Amazon Elastic Container Service	Cloud Run
	containers without infrastructure	AWS Fargate	
	container registry	Amazon Elastic Container Registry	Container Registry
<u>Networking</u>	Virtual network	AWS Virtual Private Cloud	Virtual Private Cloud
	load balancer	Elastic Load Balancing	Cloud Load Balancing
	Dedicated interconnect	AWS Direct Connect	Cloud Interconnect
	Domains and DNS	Amazon Route 53	Google Domains
	DNS & CDN	Amazon Cloud Front	Cloud CDN
<u>Storage</u>	DDoS firewall	AWS Shield, AWS WAF	Google Cloud Armor
	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 Coldline
	Archival storage	Amazon Glacier	Cloud Storage Archive
	file storage	Amazon Elastic File System	Archive filestore
	In-memory data store	Amazon Elastic Cache for Redis	Memory store



<u>Security &amp; Identity</u>	I AM	Amazon Identity & Access Management	Cloud Identity and Access Management
	Secret management	AWS secret Manager	Secret Manager
	Encrypted key	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
<u>Machine Learning</u>	speech	Amazon Transcribe	speech-to-Text
	Vision	Amazon Rekognition	cloud Vision
<u>Service Category</u>	service		
	Natural lang. Processing	Amazon Comprehend	Cloud Natural language API
	Translation	Amazon Translate	Cloud Translation
	Conversational interface	Amazon Lex	Dialogflow Enterprise Edition
	Video Intelligence	Amazon Rekognition Video	Video intelligence API
	Auto generated models	Amazon SageMaker Autopilot	Auto ML
	Fully managed ML	Amazon SageMaker	AI platform
<u>Internet of Things</u>	IoT services	Amazon IoT	Cloud IoT