

Roll No.
24

RONAK PARMAR

(7)

cloud computing Assignment

Service Category	Service	AWS	Google cloud
Compute	IaaS	Amazon Elastic	Compute Engine
	PaaS	AWS Elastic Beanstalk	App Engine
	FaaS	AWS Lambda	Cloud Functions
		Amazon Elastic Kubernetes	
Containers	CaaS	Service, Amazon Elastic Container Service	Engine
	Container without infrastructure	AWS Fargate	Cloud Run
	Container Registry	Amazon Elastic Container Registry	Container Registry
Networking	Virtual N/W	Amazon Virtual Private Cloud	Virtual Private Cloud
	Load Balancer	Elastic Load Balancing	Cloud Load Balancing
	Dedicated Interconnect	AWS Direct Connect	Cloud Interconnect
	Domain & DNS	Amazon Route 53	Google Domain, Cloud DNS
	CDN	Amazon CloudFront	Cloud CDN
	DDoS Firewall	AWS Shield	Google Cloud Armor

Storage	Object Storage	Amazon Simple Storage Service	Cloud Storage
	Block Storage	Amazon elastic block storage	Persistent disk
	Reduced availability Storage	Amazon S3 Standard infrequent access	cloud storage nearline & cloud storage coldline.
	Archival Storage	Amazon Glacier	cloud storage archive
	File Storage	Amazon Elastic File System	file store
	In memory data Store	Amazon Elastic Cache for Redis	memory store
Database	RDBMS	Amazon Relational DB Service	cloud SQL cloud spanner
	NoSQL key-value	Amazon ^{Dynamo} DB	filestore, cloud bigtable
	NoSQL indexed	Amazon Simple DB	File store
	In memory data Store	Amazon Elastic Cache for Redis	memory store
Data Analytics	Data warehouse	Amazon Redshift	Bigquery
	Query Service	Amazon Athena	Bigquery
	Messaging	Amazon Simple Notification Service	Pub/Sub

	Batch data Processing	Amazon Elastic MapReduce, AWS Batch	Dataflow
	Stream data Processing	Amazon Kinesis	Dataflow
	Stream data ingest	Amazon Kinesis	Pub/sub
	Workflow orche - Stratation	Amazon data Pipeline	cloud Composer
Management Tools	Deployment	AWS cloud-formation	cloud deployment Manager
	Cost Management Monitoring	AWS budgets Amazon cloudwatch	Cost management cloud Monitoring
Operations	Logging	Amazon cloud watch logs	cloud Logging
	Audit logging	AWS cloudtrail	cloud Audit logs
	Debugging	AWS X-Ray	cloud Debugger
	Performance tracing	AWS X-Ray	cloud trace
	IAM	Amazon identity & access management	cloud Access Management
Security & identity	Secret Management	AWS Secret Manager	Secret Manager
	Encrypted keys	AWS key management Service	cloud Management Service

	Resource monitoring	AWS Config	cloud Asset inventory
	vulnerability Scanning	Amazon Inspector	web security Scanner
	Threat detection	Amazon GuardDuty	Event threat Detection
	Microsoft active Directory	AWS directory Service	Managed Service for Microsoft Active directory
	Speech	Amazon Transcribe	Speech to text
Machine Learning	vision	Amazon Rekognition	cloud vision
	Natural Language 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
	fully managed ML	Amazon SageMaker	AI platform
Internet of things	IOT Service	Amazon IoT	cloud IoT