

## Assignment - 4

Category	Service	ACOS	Google Cloud
Compute	<ul style="list-style-type: none"> <li>IaaS</li> <li>PaaS</li> <li>FaaS</li> </ul>	Amazon Elastic Compute Cloud AWS Elastic Beanstalk AWS Lambda	Compute Engine App Engine Cloud Functions
Containers	<ul style="list-style-type: none"> <li>Container</li> <li>Container with Ingress</li> <li>Container Registry</li> </ul>	Amazon Elastic Container Service AWS Fargate ECR Registry	Google Kubernetes Engine Cloud Run Container Registry
Networking	Virtual Private Cloud <ul style="list-style-type: none"> <li>Load Balancing</li> <li>Cloud</li> <li>DDoS</li> </ul>	Amazon CloudFront Elastic Load Balancing Amazon CloudFront AWS Shield, AWS WAF	Virtual Private Cloud Cloud Load Balancing CloudFront Google Cloud
STORAGE	Object Storage Block Storage Amazon S3 Amazon EBS Amazon S3 Glacier Amazon S3 One Zone Amazon S3 Outposts	Amazon S3 Amazon EBS Amazon S3 Glacier Amazon S3 One Zone Amazon S3 Outposts	Cloud Storage Persistent Disk Cloud Storage Amazon S3



Database	<ul style="list-style-type: none"> <li>• RD BMS</li> <li>• NO SQL key Value</li> </ul>	Amazon Relational DB Service, Amazon Aurora Amazon Dynamo DB	Amazon S3 Cloud Spanner Amazon Redshift Amazon ElastiCache
Data analysis	<ul style="list-style-type: none"> <li>• Data warehouse</li> <li>• Query Service</li> <li>• Messaging</li> <li>• Batch Data Processing</li> </ul>	Amazon Redshift Amazon Athena Amazon SNS, Amazon SQS Amazon EMR AWS Batch	Big Data Big Data Pub Sub Data Pipeline Data Lake
Management Tool	Deployment	AWS CloudFormation	Cloud Deploying
Operation	<ul style="list-style-type: none"> <li>• Monitoring</li> <li>• Logging</li> <li>• Audit Logging</li> <li>• Debug</li> <li>• Performance</li> </ul>	Amazon CloudWatch Amazon CloudTrail Logs AWS CloudShell AWS X-Ray AWS X-Ray	Cloud Export Cloud Logs Cloud Audit Cloud Debug Cloud Trace
Internet of Things	IOT services	Amazon IoT	Cloud IoT



## cloud computing assignment -5

\* Define

(1) Compute Engine :- Secure and customizable service that lets you create and run virtual machines on Google infrastructure.

(2) HTTP Engine

→ Secure & customizable computes applications on a fully managed serverless platform

(3) Cloud function

→ Scalable, pay as you go function as a service to out your code with zero server management.

(4) Google Kubernetes Engine

→ Simple way to automatically deploy, scale, and manage containers.

(5) Cloud Run

→ Develop and deploy highly scalable containerized applications. No server management.



(7) Identical private cloud.

- ) Global virtual network that spans all regions, single UPC for an entire organization, absolute within product ranges, no discounts.

(2) Local law balance

- High performance scalable cloud platform Core on Google

(9) Close Hybrid connectivity

- ) Connect your ip address to google, class  
your lesson term any word

(10) Google cloud domain cloud nms

- Relays, resolvers, local proxy DNS servers  
 forward google domains names  
 with queries you now need to  
 register, make a sub you  
 domain.

(11) Close con

- ⇒ Fast reliable - user and video content delivery with global reach



(12) Google cloud Armor.

→ Helps protect your application & website against denial of service & web attacks.

(13) Cloud Storage.

→ Object storage for companies of all sizes, simple, easy, secure & reliable. It offers you a good GCP.

(14) Persistent Disk.

→ Provides high performance, block storage for virtual machines, servers.

(15) Cloud Storage & data gateway.

→ Easily access, update, delete data in your on-premise storage.

(16) BigQuery :: Fully managed, relational database, serverless for analytics & queries.

(17) Memory map :: Reduce latency with sub-second query results. n - many nodes in Redis only memory.

(18) Cloud SQL.

→ Fully managed relational database service. MySQL, PostgreSQL, Oracle SQL.



(2)

## (20) Cloud bigtable

→ A fully managed scalable NoSQL data service for large analytics & operations work loads with up to 99.999% availability and up to 99.999% durability.

## (21) Big ~~Table~~ query.

→ Services, highly scalable, are not exposed mutually, data can handle large business volume.

## (22) Pub/Sub

→ Ingest clients in streaming into Big query data lake or operational databases.

## (23) Data Proc

→ Data Proc is a fully managed distributed service for running MapReduce, Tez, and Spark (on-prem) jobs. Also supports streaming.

## (24) Data flow

→ Unified stream as batch data processing that reduces job & cost of operations.



## (2) Cloud Deployment Manager

→ Google Cloud Deployment manager is an instruction deployment service that automates the creation & management of Google Cloud resources.

## (27) Cost Management

→ Tool for monitoring, controlling & optimizing your costs.

## (28) Cost Monitoring

→ Can view by map the resource usage & return. Health of your application & resources.

## (30) Cloud Audit / Logs

→ Can visibility into who does what, when & where in all our Google Cloud platform.

## (31) Cloud Debugger

→ Tracing your code & behavior in production.



(23)

### 39] Manage Service in Microsoft Azure

=> Manage Service in Microsoft Azure of high availability. However Microsoft Azure Directory, formerly known by Google cloud.

### 40] Speech to Text

=> Azure Content Speech The AI using on RPA API power by Google AI.

### 41] Cloud with

=> Azure from you makes in the cloud on a K edge mobile with a RPA prediction with API cloud prediction using.

### 42] Cloud Network Service AI

=> Azure from network AI using Google mobile learning

### 43] Cloud Tracker

=> More you content as app multiple - can just dynamic menu



## (54) Video AI

- Enable parents. Content. discuss and engage video experience

## (55) Auto ML

- Train fully query. Custom rules learning. select models with minimal effort & make easy experience

## (56) AI platform

- Build deploy & scale ML models directly with no -process & custom device monitor a unified AI platform

## (57) Cloud IOT

- Online insight from your global devices need with an intelligent IoT platform whose scalable fully managed integration, lets you connect, store & analyse data the easy way in the cloud.