

## Assignment - 3

### (1) Compute Engine:-

Secure and customizable compute service that lets you create and run virtual machines on Google's infrastructure.

### (2) App Engine:-

Build highly scalable applications on a fully managed serverless platform.

### (3) Cloud Functions:-

Scalable, pay-as-you-go functions as a Service (FaaS) to run code with zero server management.

### (4) Google Kubernetes Engine:-

A simple way to automatically deploy, scale, and manage Kubernetes.

### (5) Cloud Run:-

Develop and deploy highly scalable, containerized applications.

on a fully managed Serverless platform.

#### ⑥ Container Registry:-

To store, manage and serve your docker container images.

#### ⑦ Virtual Private Cloud (VPC):-

Central virtual network that spans all regions. Single VPC for an entire organization, isolated within project. Increase IP space with no downtime.

#### ⑧ Cloud Load Balancing:-

High performance, scalable load balancing on Google Cloud Platform.

#### ⑨ Cloud Hybrid connectivity:-

connect your infrastructure to Google Cloud on your terms, from anywhere.

## ⑩ Google Cloud Domain, Cloud DNS:-

Reliable, resilient, low-latency DNS serving from Google's worldwide network. With everything you need to register, manage, and serve your domains.

## ⑪ Cloud CDN:-

Fast, reliable, web and video content delivery with global scale & reach.

## ⑫ Google Cloud Armor:-

Help protect your applications and websites against denial-of-service and web attacks.

## ⑬ Cloud storage:-

Object storage for companies of all sizes, store any amount of data. Retrieve it as often as you'd like.

## ⑭ Persistent Disk:-

Reliable, high-performance block storage for virtual machine instances.

⑩ cloud storage for data archiving

Highly available, attachable  
solution for backup, archival  
and disaster recovery.

⑪ filestore:-

High-performance, fully managed  
file storage

⑫ memory storage:-

Reduce latency with scalable  
secure, and highly available  
in-memory services for Redis  
and Memcached.

⑬ cloud SQL:-

Fully managed relational database  
services for MySQL, PostgreSQL, and  
SQL Server. Run the same relational  
databases you know with their  
rich, extensive collections, configuration  
flags and developer ecosystem,  
but without the hassle of self  
management.

(19) Cloud Spanner:-

Fully managed relational database with unlimited scale, storage consistency, and up to 99.999% availability.

(20) Firestore:-

Easily develop rich applications using a fully managed, scalable and serverless document database.

(21) Cloud Bigtable:-

A fully managed, scalable database service for large analytical and operational workloads with up to 99.999% availability.

(22) Memory Store:-

Reduce latency with scalable secure and highly available in-memory service for Redis and memcached.

⑥

(23)

## BigQuery:-

Serverless, highly scalable, and cost-effective multi-cloud data warehouse designed for business agility.

(24)

## Pub/Sub

Ingest events for streaming into BigQuery, data lakes, or operational databases.

(25)

## DataProc:-

DataProc is a fully managed and highly scalable service and for running Apache Spark, Apache Flink, and over 30+ open source tools and frameworks.

(26)

## Dataflow:-

Unified stream and batch data processing that's serverless, fast, and cost-efficient.

(27)

## Cloud Composer:-

A fully managed workflow orchestration service built on Apache Airflow.

(28)

## Cloud Deployment Manager:-

is an infrastructure deployment service that automatically the creation and management of Google Cloud resources.

(29)

## Cost Management:-

Tools for monitoring, controlling and optimizing your costs.

(30)

## Cloud Monitoring:-

gain visibility into the performance availability, and health of your applications and infrastructure.

(31)

## Cloud Logging:-

fully managed, real-time log management with storage, analysis and alerting at exabyte scale.

(32)

## Cloud Audit logs:-

Gaining visibility into who did what, when, and where, of for all user activity on google cloud platform.

(33)

## Cloud Debugger:-

Investigate your code's behaviour in production

(34)

## Cloud Trace:-

Find performance bottlenecks in production

(35)

## Identity and Access management (IAM)

Fine-grained access control and visibility for centrally managing cloud resources

(36)

## Secret Manager:-

store API keys, passwords, certificates and sensitive data in a secure, encrypted, and audited

(37)

## Cloud Key Management

Manage encryption keys on Google Cloud.

(38)

## Cloud Asset Inventory

A metadata inventory service that allows you to view, monitor and analyze all your Compute and Anthos assets across projects and services.

(39)

## Cloud Service Security

Security Command Center for Google Cloud's centralized vulnerability and threat reporting service.

(40)

## Event Threat Detection

Security and risk management platform for Google Cloud.

(41)

## Manage Service for Microsoft Active Directory

Offer high availability hardened Microsoft Active Directory domains hosted on Google Cloud.

(42)

## Speech-to-Text:-

• Accurately convert speech into text using an API powered by google's TTS technologies.

(43)

## Cloud Vision:-

• Derive insights from your images in the cloud or at the edge with Cloud Vision or ML pre-trained vision API models to detect emotion, understand text, and more.

(44)

## Natural Language AI:-

• Derive insights from the structure of text using google machine learning.

(45)

## Translation AI:-

make your content and APIs multilingual with fast, dynamic machine translating.

(11)

(49)

Dialog flow

Life-like conversations AI with state of the virtual agents

(50)

Video AI

Enable powerful content discovery and engaging video experiences.

(51)

AutoML:

Train high-quality custom machine learning models with minimal effort and machine learning expertise.

(52)

Vertex AI:

Build, deploy and scale ML models faster, with pre-trained and custom tools within a unified AI platform

(53)

Google cloud IoT solutions.

Unleash from your global device network with an intelligent IoT platform whose scales like a fully managed integration lets you connect, store

and analyse cloudbuster  
wind edge and in the cloud

Wind direction and speed

Cloud height and density

Cloud base and top height

Cloud thickness and texture

Cloud base and top height

Cloud thickness and texture

Cloud base and top height

Cloud thickness and texture

Cloud base and top height

Cloud thickness and texture

Cloud base and top height

Cloud thickness and texture

Cloud base and top height

Cloud thickness and texture

Cloud base and top height

Cloud thickness and texture

Cloud base and top height

Cloud thickness and texture

Cloud base and top height

Cloud thickness and texture