

## Assignment-4

1) Define

1) compute engine:

→ secure and customizable compute service that lets you create and run virtual machines on Google infrastructure.

2) App engine: Build highly scalable application on a fully managed serverless platform.

3) Google Kubernetes engine: A simple way to automatically deploy and manage Kubernetes.

4) Cloud function:

scalable pay as you go function as a service to run your code with no server management.

5) Cloud Run

→ develop and deploy highly scalable, containerized application on a managed serverless platform.

6) container registry

→ store, manage and scope your Docker container image.

- 7] virtual private cloud: global virtual network that span all regions single vpc for an entire organization. Isolated within project increase ip space with no down.
- 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 team from any where.
- 10] google cloud domain cloud dns.  
→ Release resilient low-latency, DNS, performing from google world wide network with everything you need to register manage and serve your domain.
- 11] cloud CDN: fast reliable web and video content delivery with your scale and reach.
- 12] google cloud Armor: help protect your application and website against domain service and web attack.
- 13] cloud storage: cloud storage for enterprise. all sizes store any amount of data retrieve it all enter goods like



- 14) persistent disk : reliable high performance block storage for virtual machine instance.
- 15) cloud storage and data services : highly available affordable solution for backup activity and disaster recovery.
- 16) file store : high performance fully managed storage.
- 17) memory store : reduce latency with scalable secure and highly available in memory schema mems and resourced.
- 18) cloud sql : fully managed reliable database service for mysql - postgresql and sql server.
- 19) cloud spanner : fully managed scalable database with unified storage strong consistency and upto 99.99% available.
- 20) cloud big table : fully managed scalable nosql database service for large analytics and operational work load with upto available.
- 21) big query : serverless, highly scalable and cost effective analytics data warehouse designed business growth.

- 22) Pub/sub : Ingest events for storing into Big query data locker or operational database.
- 23) DataProc: data Proc is a fully managed and highly scalable service for running Apache Spark, Apache Hink Presto and 3rd open source tools and frameworks.
- 24) Data flow: unified stream and data processing that serverless fast and cost effective.
- 25) Cloud compute: Fully managed workflow orchestration service build on Apache Airflow.
- 26) Cloud deployment manager: Google cloud development manager is an infrastructure deployment service that automates the create and management of Google cloud resource.
- 27) Cost management: Tools for maintaining, controlling and optimizing your cost.
- 28) Cost management: Gain visibility into the performance, availability and health of your application or infrastructure.



28] cloud logging : from managed hardware logs management with storage security analysis and attending at enterprise security.

29] cloud Audit logs : gain visible into who did what when and where for all users on google cloud platform.

30] cloud 4 debugger : interesting user code's behavior in production

32] cloud identity and Access management : fine grained Access control and visibility for certifying permissions core services