

Assignment - 4

- 1) Compute Engine :-
→ Secure and customizable compute service that lets you create and run virtual machine on google's infrastructure.
- 2) APP Engine :-
→ Build highly scalable applications on a fully managed serverless platform.
- 3) Cloud function :-
→ Scalable way as you go function as a service to run your code with zero server management.
- 4) Google Kubernetes Engine :-
→ A simple way to automatically deploy, scale and manage kubernetes.
- 5) Cloud Run :-
→ Develop & deploy highly scalable containerized applications on a fully managed serverless population.
- 6) Container Registry :-
→ Store, manage and secure your docker container images.
- 7) Virtual private cloud :-
→ Global virtual network that spans all regions single VPC for an entire organization isolated within project where it spans with no demarcation.

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 anywhere.

10) Google Cloud domains cloud DNS :-

→ Reliable resilient, low-latency DNS serving from google worldwide network with everything you need to register manage and secure your domains.

11) Cloud CDN :-

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

12) google cloud Armor :-

→ Help protect your application and website against denial of service and web attacks.

13) Cloud Storage :-

→ Object storage for companies of all sizes store any amount of data. Retrieve it at a fraction of your local disk.

14) Persistent Disk :-

→ Reliable high performance block storage for virtual machine instances.

- 15) Cloud Storage and data archiving :-
→ Highly available affordable solution for backup archival and disaster recovery.
- 16) File store :-
→ High performance fully managed file storage.
- 17) Memory Store :-
→ Reduce latency with Scalable, secure and highly available in-memory services for Redis and Memcached.
- 18) Cloud SQL :-
→ Fully managed relational database service for MySQL, PostgreSQL, and SQL Server.
- 19) Cloud Spanner :-
→ Fully managed relational database with horizontal scaling, strong consistency and up to 99.999% availability.
- 20) Cloud Bigtable :-
→ A fully managed Scalable NoSQL database service for large analytical and operational workloads with up to 99.99% availability.
- 21) Big query :-
→ Serverless highly scalable and cost effective multi-tenant data warehouse designed business agility.

22) Pub/Sub :-

→ Largest engine for streaming into big query data lakes or operational databases.

23) Data Proc :-

→ Data proc is a fully managed and highly scalable service for processing Apache Spark, Apache Hadoop and other open source tools and frameworks.

24) Dataflow :-

→ Unified stream and batch data processing that is simpler, faster and cost effective.

25) Cloud Composer :-

→ A fully managed workflow orchestration service built on Apache Airflow.

26) Cloud Deployment Manager :-

→ Google cloud Deployment manager is an infrastructure as code deployment service that automates the creation and management of Google cloud resources.

27) Cost Management :-

→ Tools for monitoring, controlling and optimizing your costs.

28) Cost monitoring :-

→ Gain visibility into the performance, availability and health of your application & infrastructure.

29) Cloud Logging :-

→ Fully managed real time log management with storage search analysis and alerting at enterprise scale.

30) Cloud Audit/Log :-

→ gain visibility on into who did what action and where for all user on google cloud platform.

31) Cloud Debugger :-

→ Inspecting your code's behaviour in production.

32) Cloud Profiler :-

→ Find performance bottle neck in production.

34) Secret Manager :-

→ Store API key password certificate and other sensitive data.

35) Cloud Key :-

→ Manage encryption key on google cloud.

36) Cloud Asset Inventory :-

→ A metadata inventory service that allow you to view monitor and analyze all your GCP and Android assets across project and services.

37) Web Service Security :-

→ Security Command Center google cloud's centralized vulnerability and threat reporting service.

38) Event Thread Detection:-

→ Security and disk management platform for Google Cloud.

39) Manage Service for Microsoft Active Directory:-

→ Managed Service for Microsoft Directory of high availability hosted Microsoft Active Directory Domains hosted by Google Cloud.

40) Speech to Text:-

→ Accurately Convert Speech into text using an API powered by Google AI technologies.

41) Cloud Vision:-

→ Derive insight from your image in the cloud or at the edge with Auto ML Vision or use pre-trained vision API model to detect, create, understand text and more.

42) Cloud Natural Language AI:-

→ Derive insights from unstructured text using Google machine learning.

43) Cloud Translation:-

→ Make your content and apps multi-lingual with fast, dynamic machine Translation.

44) Dialogflow:-

→ Life like conversational AI with stack of the AI virtual agents.

45) Video AI :-

- > Enable powerful content discovery and engaging video experience.

46) Auto ML :-

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

47) AI Platform :-

- > Build, deploy and scale ML models faster with pre-tuned and custom tuning within a unified AI platform.

48) Cloud IoT :-

- > Unlock insight from your global device network with an intelligent IoT platform whose scalable fully managed integration lets you connect, store and analyse data at the edge and in the cloud.

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