



Assignment - 6

⇒ Define

- (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 Function :- Scalable pay-as-you-go function as a service to run your code with their 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 :- 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 price. IP space with no down time.

(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 term from anywhere

(10) Google cloud domains cloud DNS :

Reliable, resilient, low-latency DNS serving from google's worldwide network with everything you need to register manage and serve your domain

(11) Cloud DNS : Fast reliable web and video content delivery with global scale and 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 as an object or as you'd like



- (16) Persistent Disks :- Reliable high performance block storage for virtual machine instances.
- (17) Cloud Storage and data archiving :-
Highly available, affordable solution for backup archival and disaster recovery.
- (18) FileStore :- High performance, fully managed file storage.
- (19) Memory Store :- Reduce latency with scalable, secure and highly available in-memory service 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 unlimited scale, strong consistent and upto 99.99% availability.
- (20) Cloud Bigtable :- A Fully managed scalable, NOSQL database service for large analytical and Operational workloads with upto 99.99% availability.
- (21) Big Query :- Serverless highly scalable, one cost effective multi-terabyte data warehouse.



designed business agility.

(22) Pub/Sub: Ingest events for streaming
→ into big query data lakes or
operational databases.

(23) Dataproc: Dataproc is a fully managed
and highly scalable service for
running Apache, Spark, Apache Hadoop, Presto
and 30+ open source tools and frameworks.

(24) Dataflow: Unified stream and batch data
processing that's serverless, fast
and cost effective.

(25) Cloud Composer: A fully managed workflow
→ orchestration service built on
Apache Airflow.

(26) Cloud Deployment Manager: Manage cloud
→ deployment is an
infrastructure deployment service that automates
the creation and management of Google
Cloud resources.

(27) Cost Management: Tools for monitoring,
→ controlling and optimizing your
cost.

(28) Cost Monitoring: Gain visibility into the
→



performance availability and health of your application and infrastructure

(29) Cloud Logging :- Fully managed, real-time log management with storage, secure analysis and alerting at exabyte scale.

(30) Cloud Audit Logs :- Gain visibility into who did what, when and where for all users on Google Cloud platform.

(31) Cloud Code Debugger :- Inspecting your code's behavior in production.

(32) Cloud Traces :- Find performance bottlenecks in production.

(33) Cloud Identity and Access Management :-

Fine grained access control and visibilities for certainty. Managing cloud resources.

(34) Secret Manager :- Store API key, passwords, certificate and other sensitive data.

(35) Cloud Key :- Manage encryption key on Google Cloud.

(36) Cloud Asset Inventory :- A metadata inventory



Service that allows you to view, monitor and analyze all your GCP and Azure assets across project and service.

(37) Web Service Security - Security Command Center
→ google Clouds centralized
vulnerability and threat reporting service.

(38) Event Trace Detection - Security and Risk Management
→ platform for google cloud.

(39) Migration Service for Microsoft Active Directory
• Managed service for microsoft directory off
high availability hardness microsoft Active
directory domains hosted by google cloud.

(40) Speech to Text - Accurately convert speech into text
→ using an API powered by
google's AI technologies

(41) Cloud Vision - Derive insight from your image in
the cloud or at the edge with automatic
vision or use practical vision API models to
detect emotions understand text and more

(42) Cloud Natural Language API - Derive Insights from
understand text using google's machine learning

(43) Cloud Translation - Make your content and apps
→ multilingual with fast dynamic
Machine translation



- (42) **Deeplearn**: Lifelike conversational AI with state of the art virtual agents
- (45) **VideoAI**: Enable powerful content discovery and engaging video experiences
- (46) **Autome**: Train high-quality custom machine learning model with minimal effort and machine learning expertise
- (47) **AI Platform**: Build, deploy and scale machine learning models faster with pre-trained and custom training within a unified AI Platform
- (48) **Cloud IoT**: Embrace insight from your global device network with an intelligent IoT platform where scalable fully managed integration lets you connect, store, and analyze data at the edge and in the cloud