

Section 2

Intro to GCP

→ overview of all services

→ Quiz 1 3/3 correct

What is cloud computing

- Pay as you use resources
- Data center is pre allocated
- Cloud is on demand.

GCP Computing Services

Computing Engine

- Make Machines on demand

Kubernetes

- container engine

Cloud Functions

- Reactive code deployment based on triggers

App Engine

- app deployment engine
- Hosting web apps

GCP Storage

SQL Databases

→ Bigtable

→ wide column

→ Datastore > Document

→ Firestore Based

→ Next-gen of datastore

Relational Databases

→ Cloud SQL

→ MySQL + PostgreSQL

→ Cloud Spanner

→ Horizontally Scalable global Relational

File Systems

Cloud File Storage

→ Managed Network File System

Cloud Storage

→ object File System

→ Bucket Based

Made for unstructured data

GCP Networking

→ Virtual private Cloud

→ Core

→ Cloud Balancer

→ Regional and global

→ Cloud DNS

→ Cloud CDN

→ Hybrid connectivity

→ Interconnectivity between data centers

Special purposes

→ Stack Driver

→ Monitoring Service

→ Cloud Build

Building containers

→ Cloud Registry

managing and sharing of containers

→ Deployment Manager

→ Deploy Infrastructure

→ Data Proc

→ Hadoop + Spark

→ Big Query

→ analytics Database

→ DataFlow

→ Data Streaming

→ Batch processing

→ Apache Beam

→ Cloud Pub/sub

→ Messaging Service

→ Data Sharing

→ AI Tools

→ NLP

→ Vision

→ Auto ML