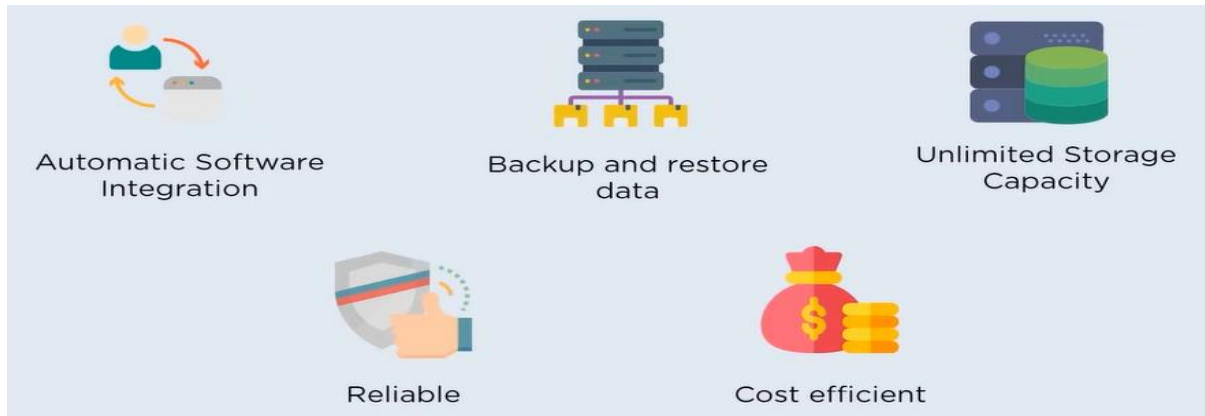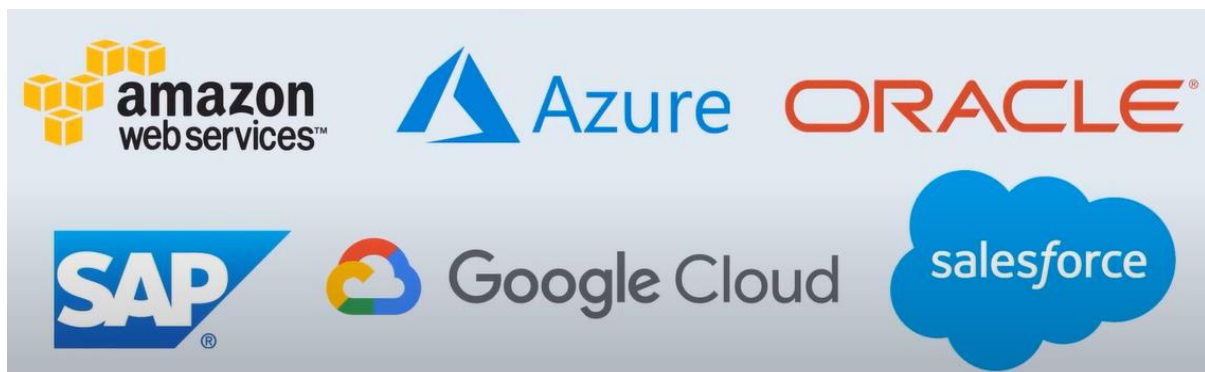# Google Cloud Platform

What is Cloud Computing?

Cloud Computing is the use of hardware and software components to deliver a service to a network. Users can access these files and applications from any device that can access interet.
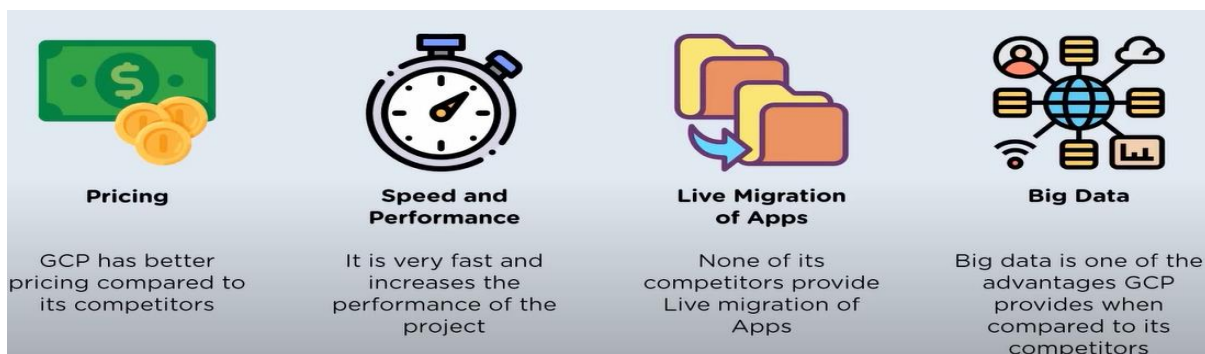

Few famous Cloud providers are as follows

Why Google Cloud Platform?

There are various reasons why someone chooses GCP. Let us look at the top reasons:
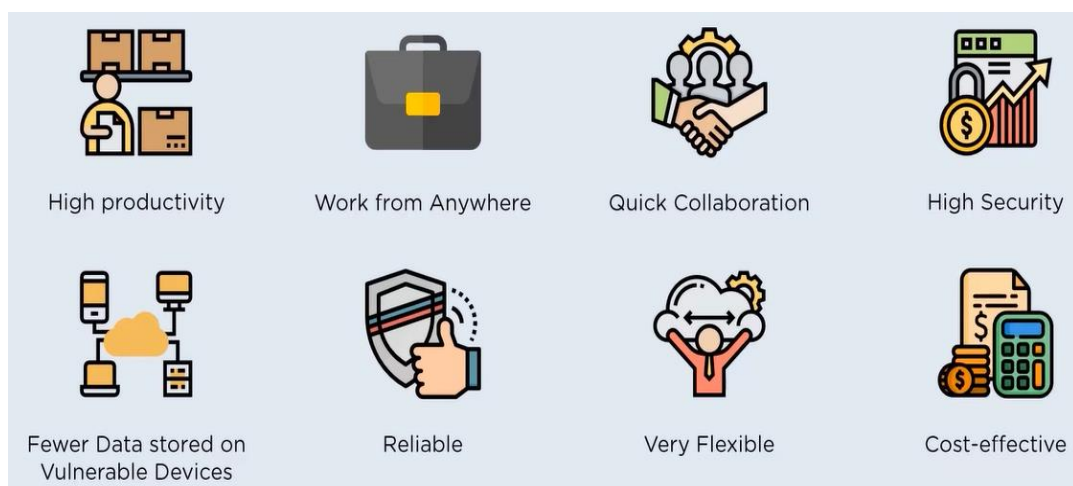
What is Google Cloud Platform?

Google Cloud Platform (GCP) is a suite of cloud computing services provided by Google.

It is a public cloud computing platform consisting of a variety of services like compute, storage, networking, application development, Big Data, and more, which run on the same cloud infrastructure that

Google uses internally for its end-user products, such as Google Search, Photos, Gmail and YouTube, etc.

Benefits of Google Cloud Platform

Google Cloud Platform Services:

Platform as a service refers to cloud computing services that supply an on-demand environment for developing, testing, delivering and managing software applications

Overview of Google Cloud Platform offerings

COMPUTE	STORAGE/DATABASES	NETWORKING	BIG DATA/IoT	MACHINE LEARNING
▪ Compute Engine	▪ Cloud Storage	▪ Virtual Private Cloud (VPC)	▪ BigQuery	▪ Cloud Machine Learning Engine
▪ App Engine	▪ Cloud SQL	▪ Cloud Load Balancing	▪ Cloud Dataflow	▪ Cloud Jobs API
▪ Container Engine	▪ Cloud Bigtable	▪ Cloud CDN	▪ Cloud Dataproc	▪ Cloud Natural Language API
▪ Cloud Functions	▪ Cloud Spanner	▪ Cloud Interconnect	▪ Cloud Datalab	▪ Cloud Speech API
	▪ Cloud Datastore	▪ Cloud DNS	▪ Cloud Dataprep	▪ Cloud Translation API
	▪ Persistent Disk		▪ Cloud Pub/Sub	▪ Cloud Vision API
	▪ Data Transfer		▪ Genomics	▪ Cloud Video Intelligence
			▪ Google Data Studio	
			▪ Cloud IoT Core	

Google Cloud Platform offers services for compute, storage, networking, big data, machine learning and the internet of things (IoT), as well as cloud management, security and developer tools. The core cloud computing products in Google Cloud Platform include:

- **Google Compute Engine**, which is an infrastructure-as-a-service (**IaaS**) offering that provides users with virtual machine instances for workload hosting.

- **Google App Engine**, which is a platform-as-a-service (**PaaS**) offering that gives software developers access to Google's scalable hosting. Developers can also use a software developer kit (**SDK**) to develop software products that run on App Engine.

- **Google Cloud Storage**, which is a cloud storage platform designed to store large, unstructured data sets. Google also offers database storage options, including Cloud Data store for **NoSQL** non-relational storage, Cloud SQL for **MySQL** fully relational storage and Google's native Cloud Big table database.

- **Google Container Engine**, which is a management and orchestration system for **Docker** containers that runs within Google's public cloud. Google Container Engine is based on the Google **Kubernetes** container orchestration engine.