

Google Cloud & Cloud Computing.

→ Week 1

① → What is Cloud Computing?

- Computing service which is on-demand.
- Can be accessed from anywhere.
- Provider has a big pool of resources & allocates them to customers
- has rapid (scaling up & down) elasticity.
- Pay only what you consume.

② → Why cloud computing is popular?

- Customizable with worrying abt infrastructure & hardware failure that too for less cost.
- Some tasks are even fully automated. (Serverless).
- Rapid scaling up & down. (Every company is a data company today).

③ → GCP computing architecture.

On premises, IaaS, Hybrid, PaaS, Serverless logic, Managed Service (SaaS).

→ Google network explained

i.e. regions & zones, environment responsibility.

(Europe → multi-Region)
Region → multi-zones

↳ Gsuite.

- data centers around world → 32% of world's energy.

④ Open APIs

- GCB services are compatible with open source projects.
- ↳ multi vendor friendly in case a customer thinks GCB is not the best service provider for them.

⑤ Multi-layered Security

- Operational security
- Internet communication
- Storage services
- User Identity
- Service deployment
- Hardware Infrastructure.

→ As Google used by billions of users, security paramount.

All secured.

(U2F) term used.

Why chose GCB and (Budgets & Billings) given.

End of week 1