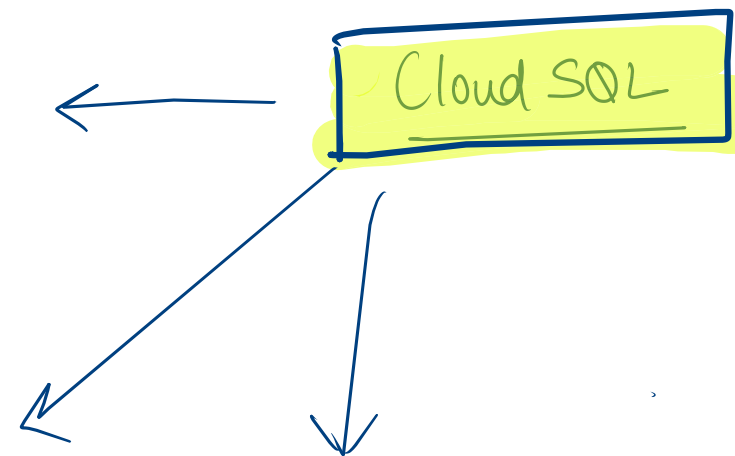
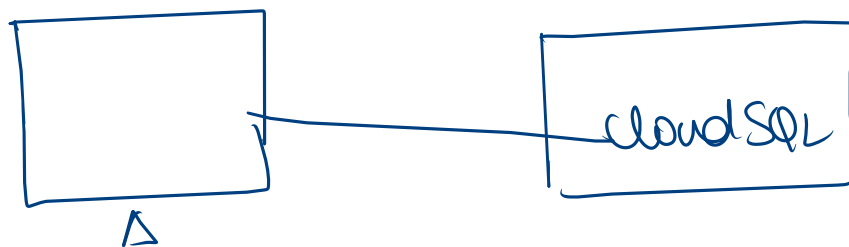


Fully managed Relational Database service for  
MySQL / Postgres SQL & SQL server.

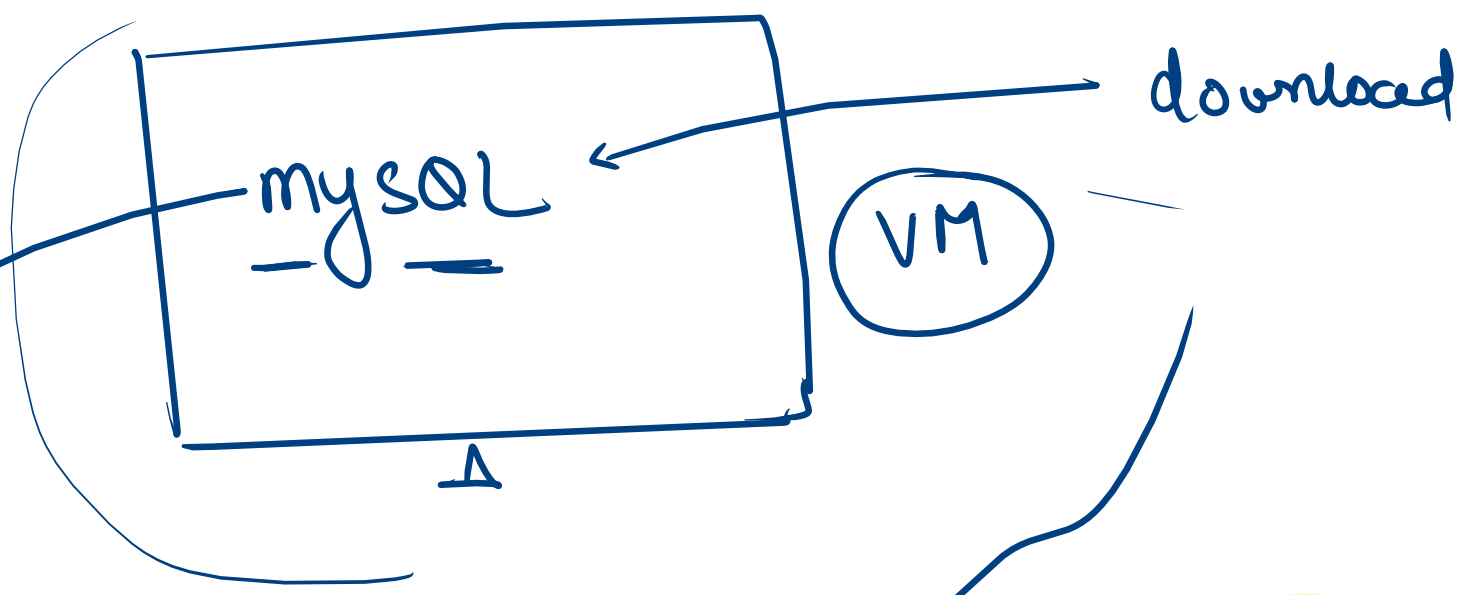
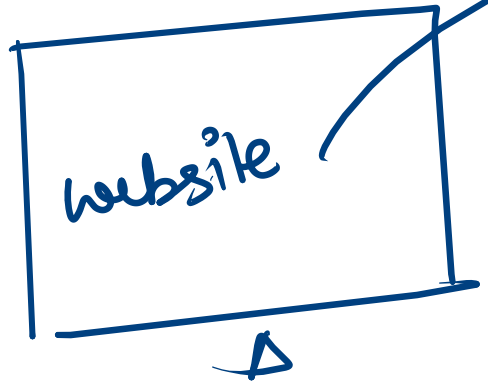
[To manage & host your database you  
will use Cloud SQL.]



Cloud SQL is a webservice  
that allows you to create,  
configure, and use relational  
db that live in google's  
cloud.

Structured database ←  
database which is managed  
in rows and columns-

Sld method

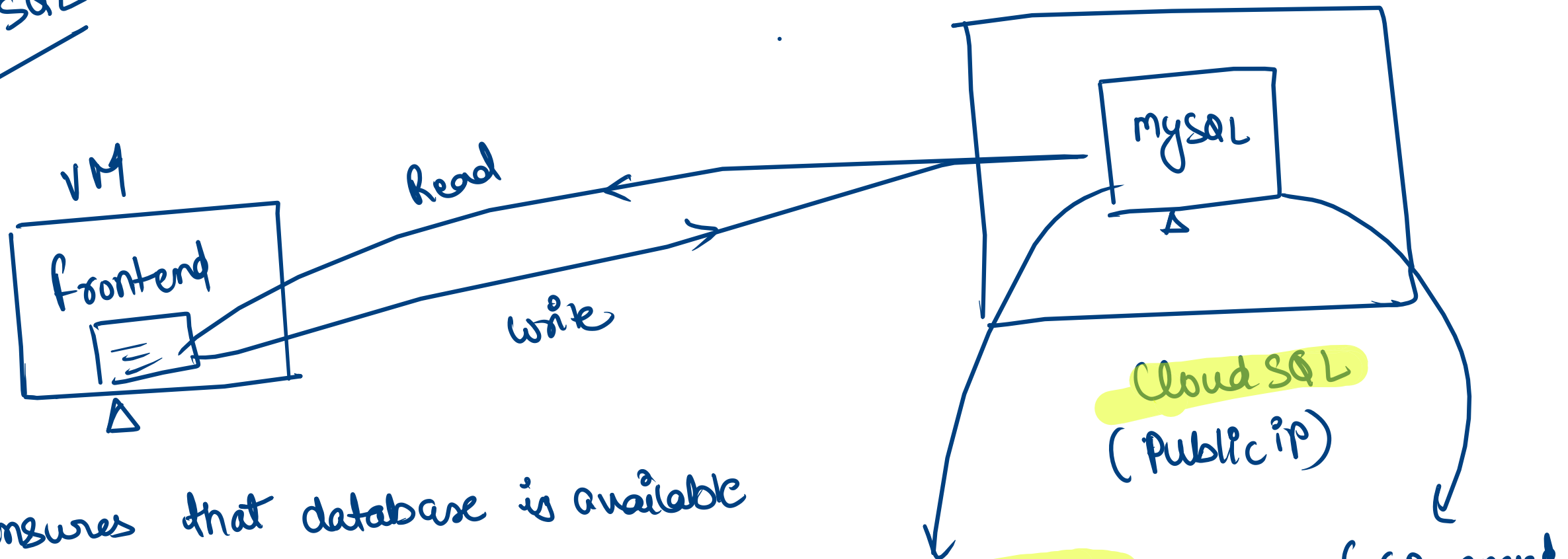


you manage!

Complicated Task

- ① Disaster Recovery mechanism
  - ② Availability
  - ③ Security ✓
  - ④ Scaling ✓
- } Admin task.

# CloudSQL



GCP ensures that database is available throughout.

All the admin tasks is taken care by GCP.

- GCP will take care of:
- ① Disaster Recovery
  - ② Availability
  - ③ Security

GCP managed Infrastructure  
(you will not have access to this machine)

\* GCP handles replication, patch management & db management to ensure availability & performance.

\* full managed service and supports db engines — MySQL (5.6, 5.7, & 8.0)  
Postgres (9.6, 10, 11, 12, 13 & 14)

\* Scale upto 96 vCPU & 624 GB of RAM.

SQL server  
(2017, 2019)

\* Storage upto 64 TB.

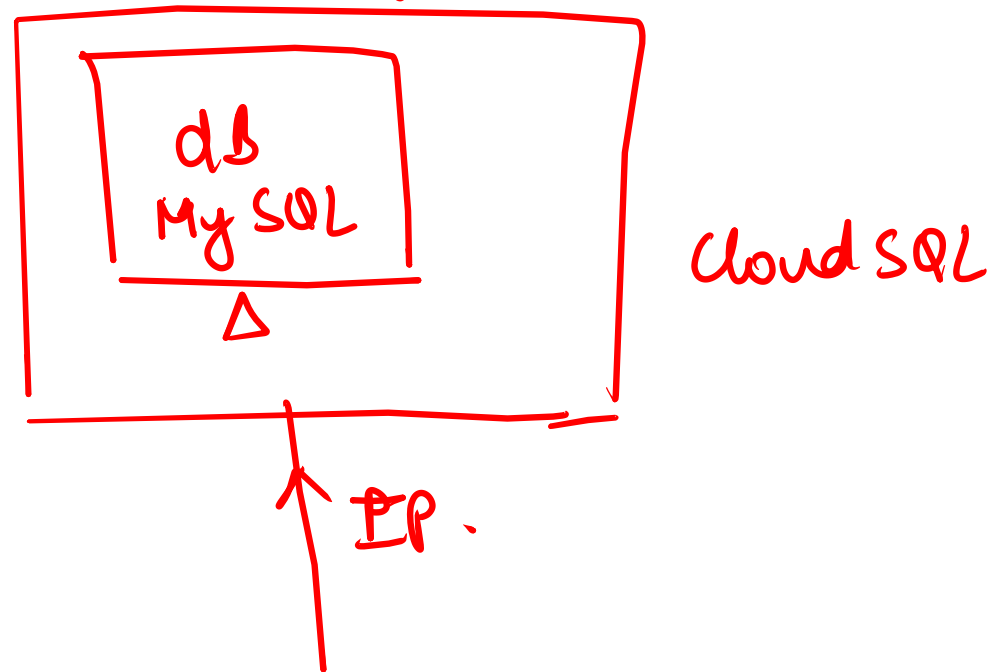
\* Serverless

concepts in Cloud SQL we should be aware of:-

① Cloud SQL Instances →



A Cloud Instance corresponds to one VM. The VM includes the DB Instance and other sw. to keep database Instances up & running.



② Database Instances :-

DB Instances

