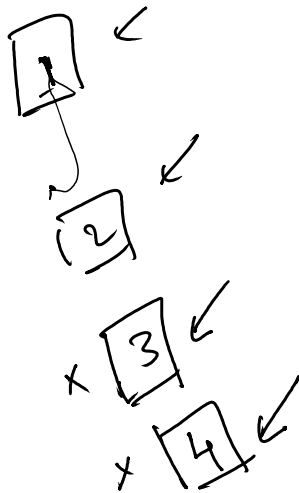
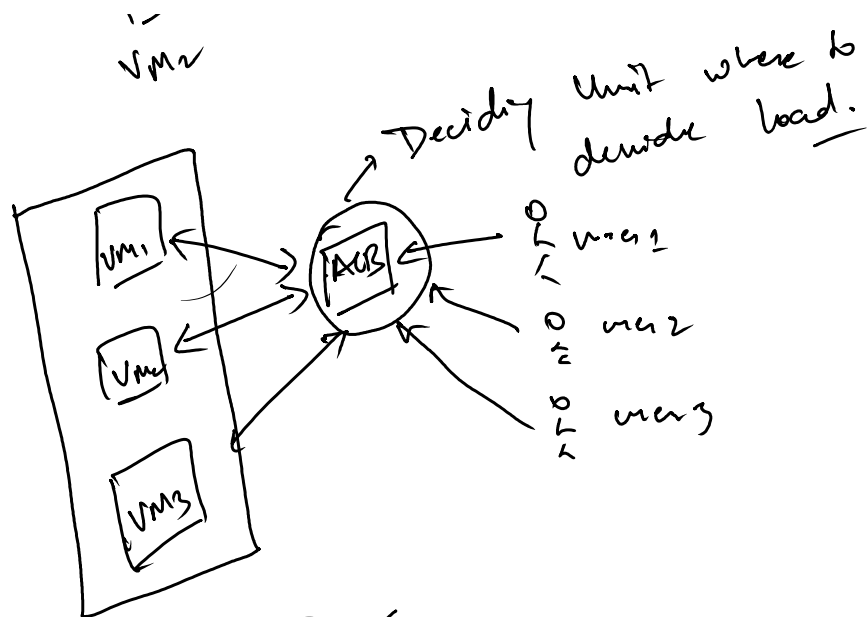
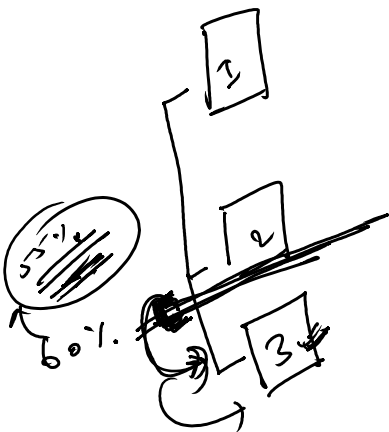


Unit 1 where to 1-1.



load ↓
Scale out

VM → 60% CPU >
Predictive → cloud monitoring



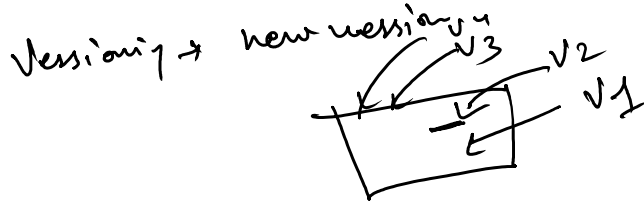
cloud storage (GCS)

Store / Manage the

images, videos, pdf.
unstructured data.

data → Structured → CSV
→ Semi-structured → json, xml
→ media → video, image, pdf.

data → Semi-structured → video, image, pdf.
 data → object → bucket.



Lifecycle Management → Detection of object based on rules.

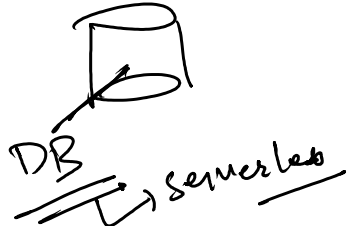
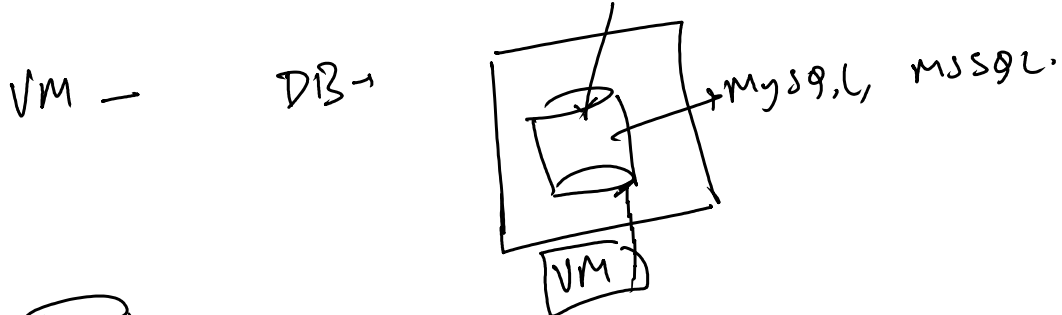
Security → IAM roles. Object level
 Read/Write → ← user.

Storage classes (costing) →

- Standard → frequently accessed data. → 99.99%.
- Nearline → once a month → 99.95%.
- Coldline → less than once a month → 99.95%.
- Archive → once a year → 99.95%.

→ highest cost B1
 → least cost

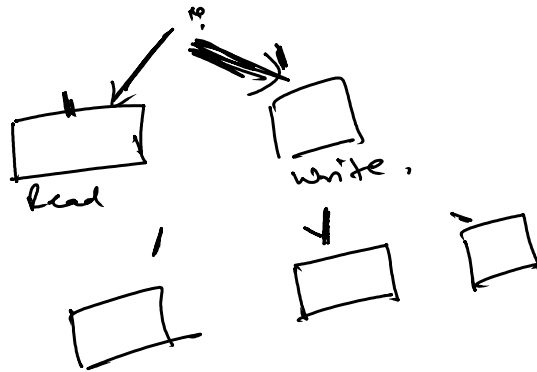
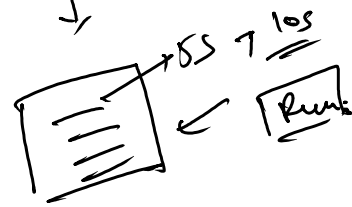
Big Query → Serverless, high scalable & cost effective



Cloud function
 Python, Java, Node.js, JS

1/2 serverless

Python, Java, Node.js, JS



W - 1
R - 3

