

VM → Windows OS
 Network
 ↳ NIC
 ↳ Various network

Resize
 Memory
 CPU

Disk, Availability

High Availability

VM → Planned
 Unplanned
 Disaster

→ VM → User Access App Cloud
 ↳ 99.999%

- App ↓



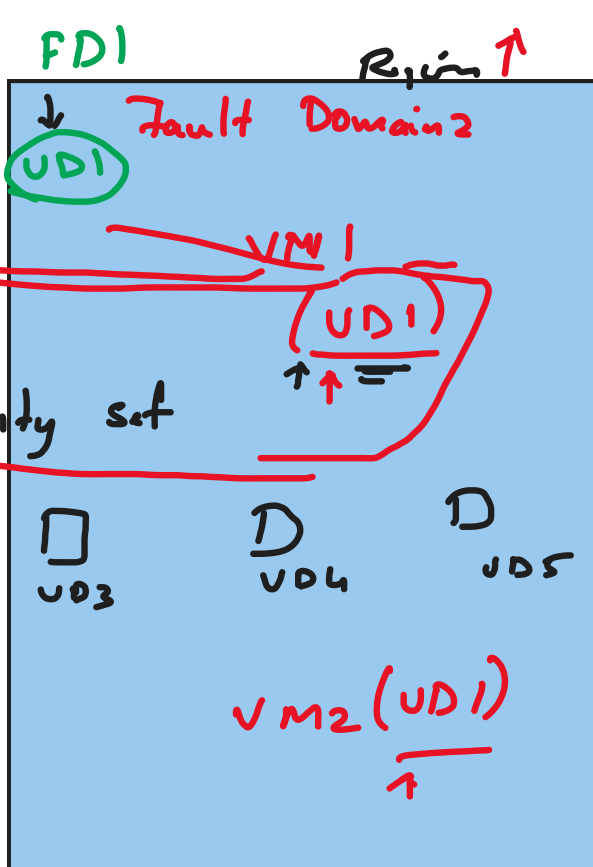
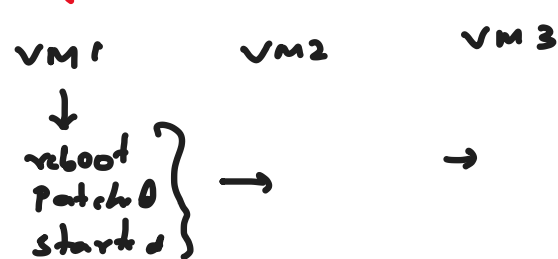
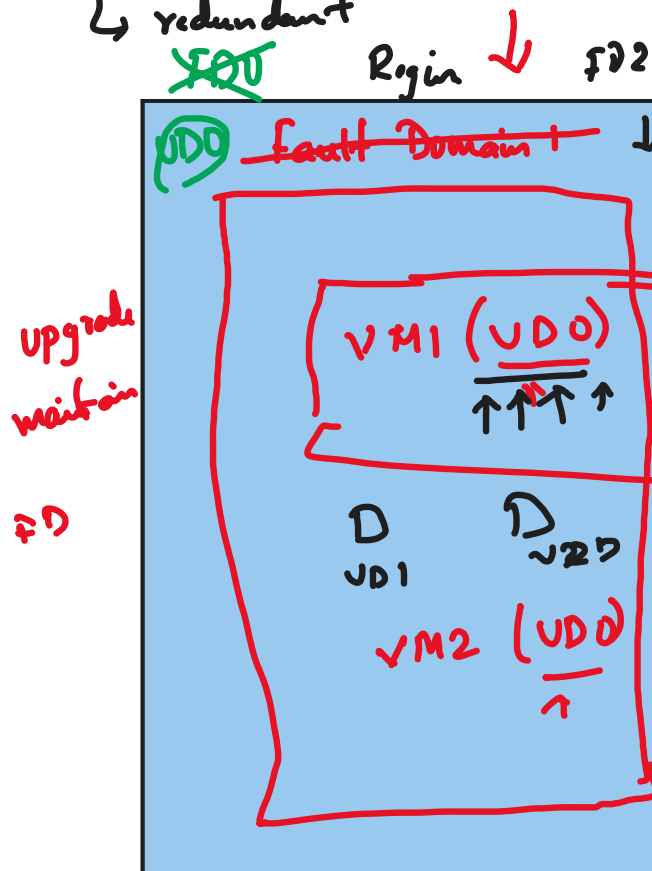
- Availability set
- Availability zone
- Scaling (horizontal & vertical)
- (Fault Domain / Update Domain)

Availability sets

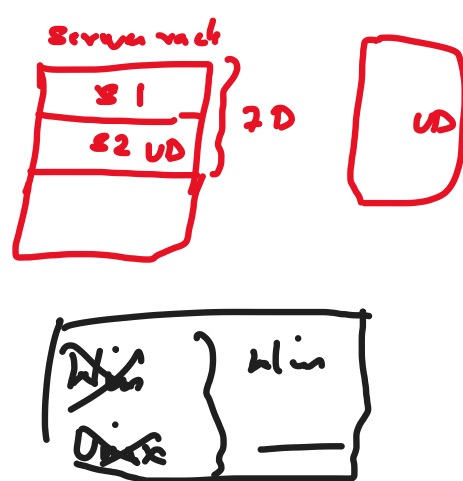
↳ Not more one

↳ One node

↳ redundant

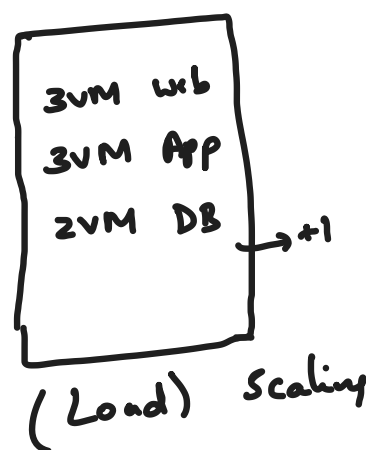
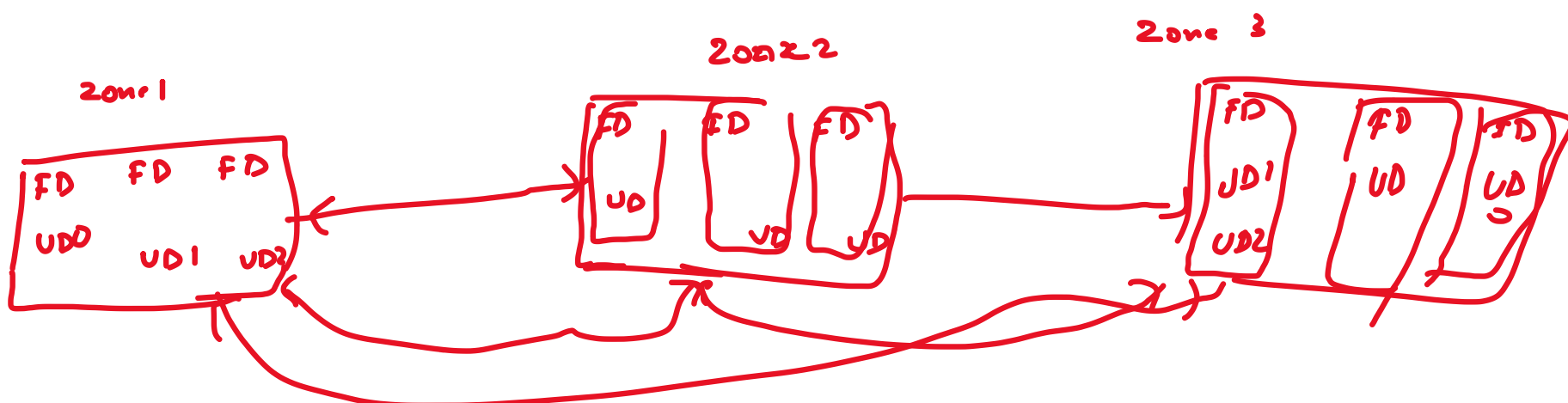


Set server
 → Power
 → server
 → location

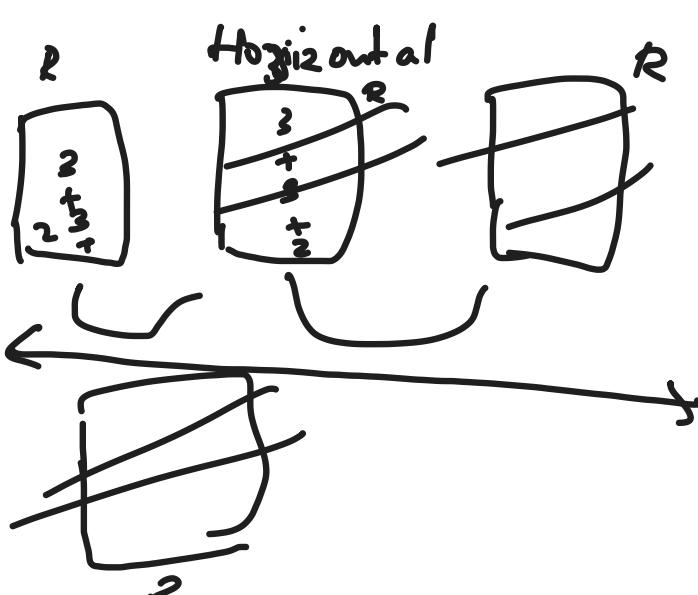


Availability zone

Region



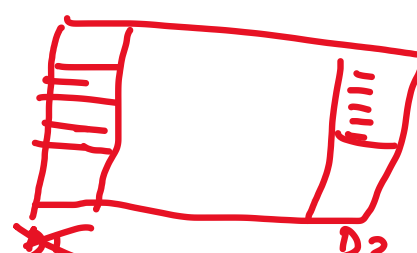
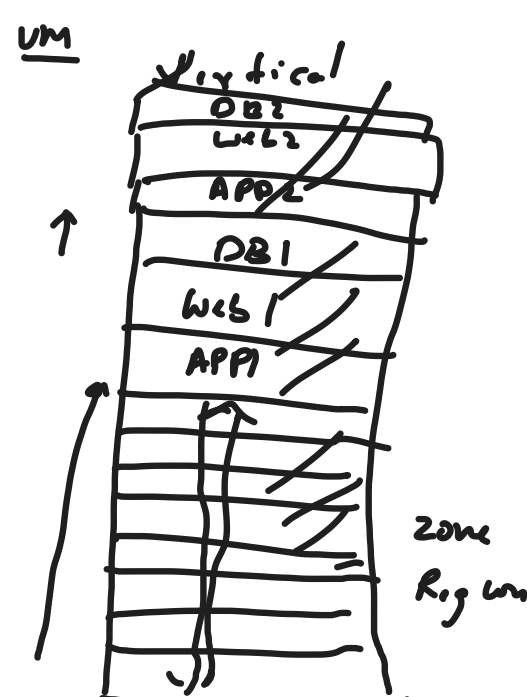
(Load) Scaling



Availability set

(VM)
 ↑ up (FD/UD)

(Scale set)
 ↳ Scaling



Fault Domain

↳ Spread single Rack

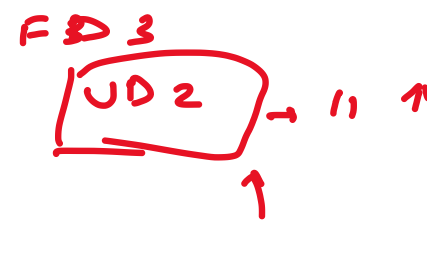
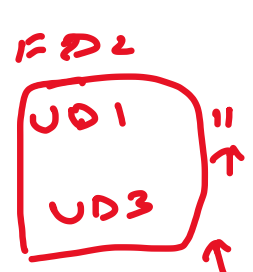
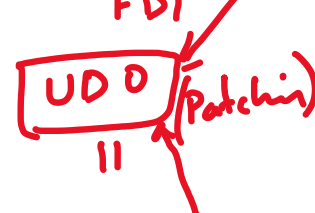
Fault

↳ Power, Server, Datacenter (rack) → VM 0, VM1, VM2, UD1, UD2, UD3

↳ Power Server Datacenter (rack) → VM1

Update Domain

Web 4



⇒ cluster Java 8