

Recap

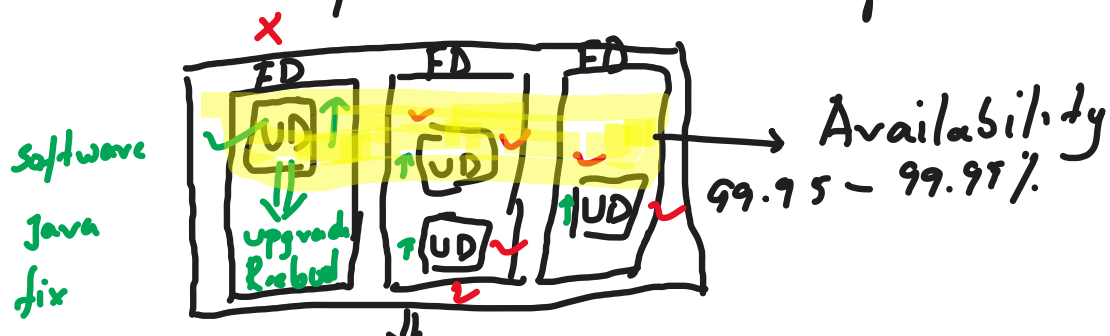
High Availability

VM → up & Running

- Availability Set
- Availability Zone

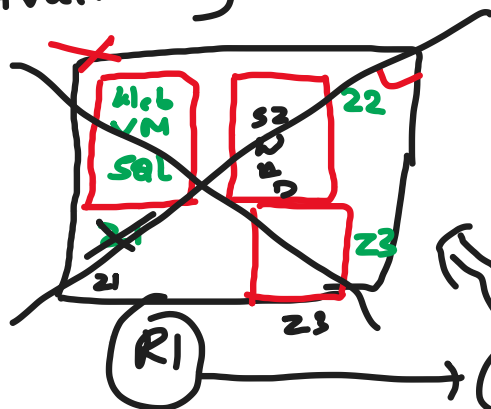
Fault Domain → Help Recover Server (Hardware) Failure

Update Domain → Helps Recover from software failure

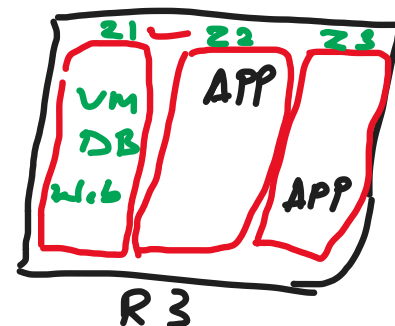
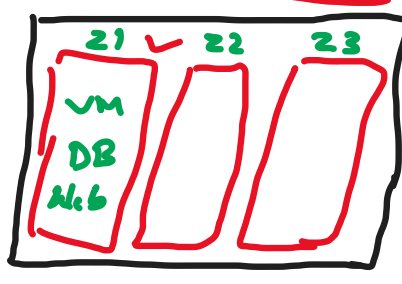


99.99%
 Cost Required

1. Availability Zone



Zone Redundant S
62RS



Load Balancing

Scalability

Scale in/out
Automation

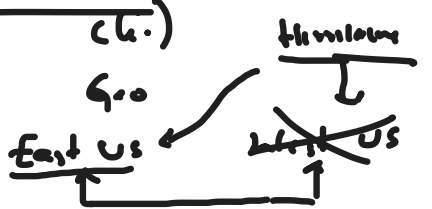
Cloud (Data loss)
0.0000000000000001%
(Scale is too many)
Corporate

Dist

Attach Disk Running VM
→ Create & attach
→ Windows (Unix mount via C.L.)

Scaling

(Region Pairing) ⇒ Region 1 ↔ Region 2



Big Billion Day -
Thanksgiving
Trading (Peak) (Holiday)
IRTC (Weekend)
Bank (4 Holiday)
99% (Doge coin) / signal

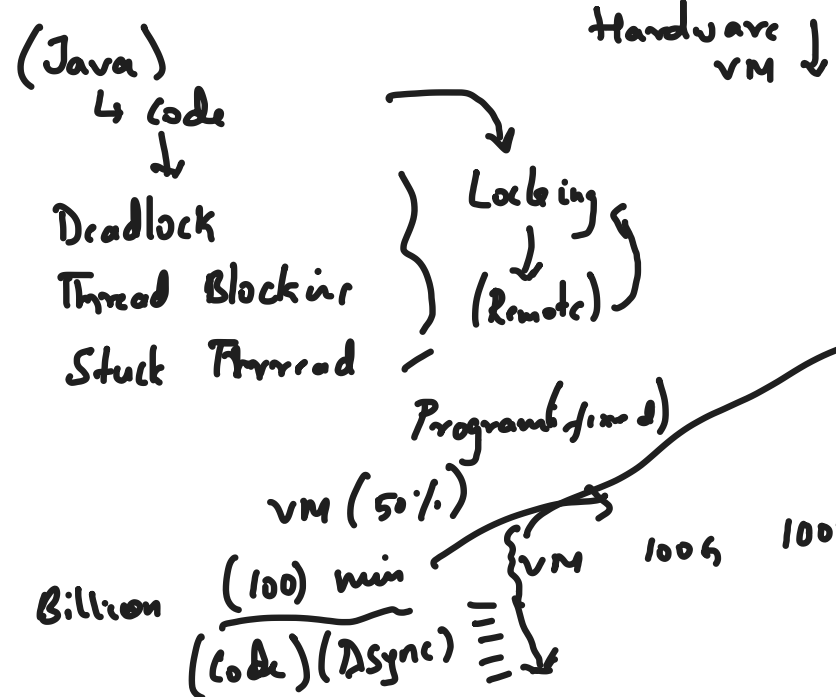
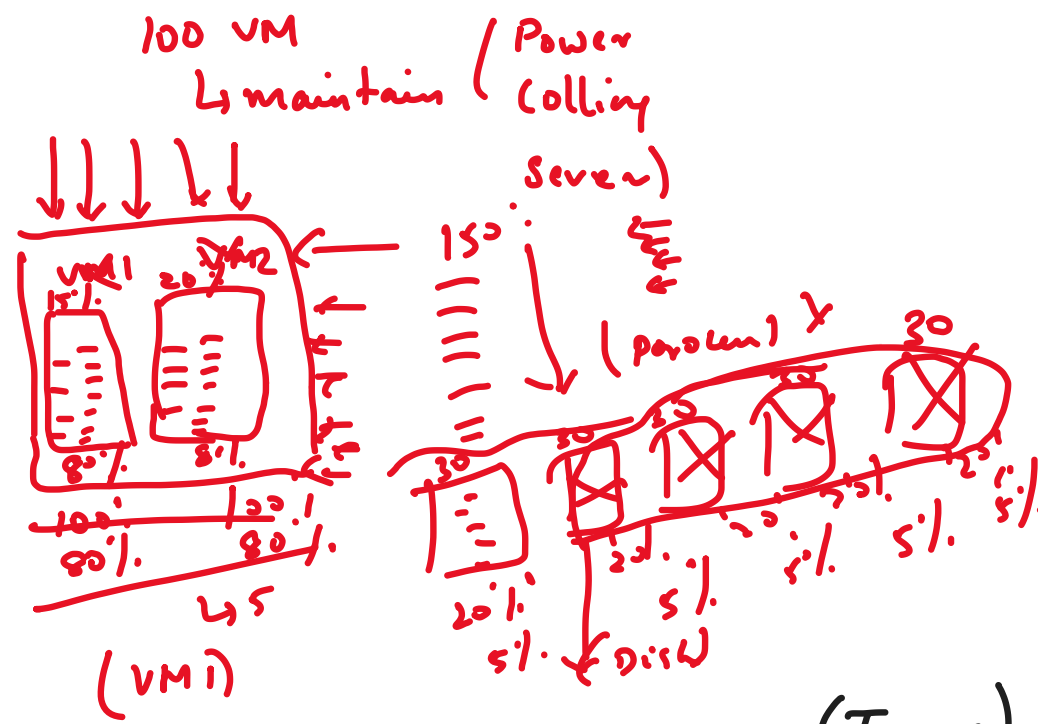
Unanticipated
Load stress Test (100 prob)
(SPL) (Performance) (200 users)
200% Speed / Out of memory
(Completely Removed)

Scrapped
200%
500%
1000%
Leverage scaling
SPL 4 year
Load Running 4 years

1. Provide On demand Increase
2. Launch → (Sum) ↑ (3 day) ↓
3. Netflix (Demand) (Lockdown)
4. Trading ↓ (Buying / selling)

1. Delivery
2. 10 VM ↓
3. Pay (Run) (100) ↓ (5) ↓
4. Auto Scaling (↓ ↑)
5. Manual
6. Duplicate (machine) → (100) ↑

Scale < 20% Drop 5
min
(default) 2
minimum 1



IAAS

Image

Windows
Unix
Hetero

