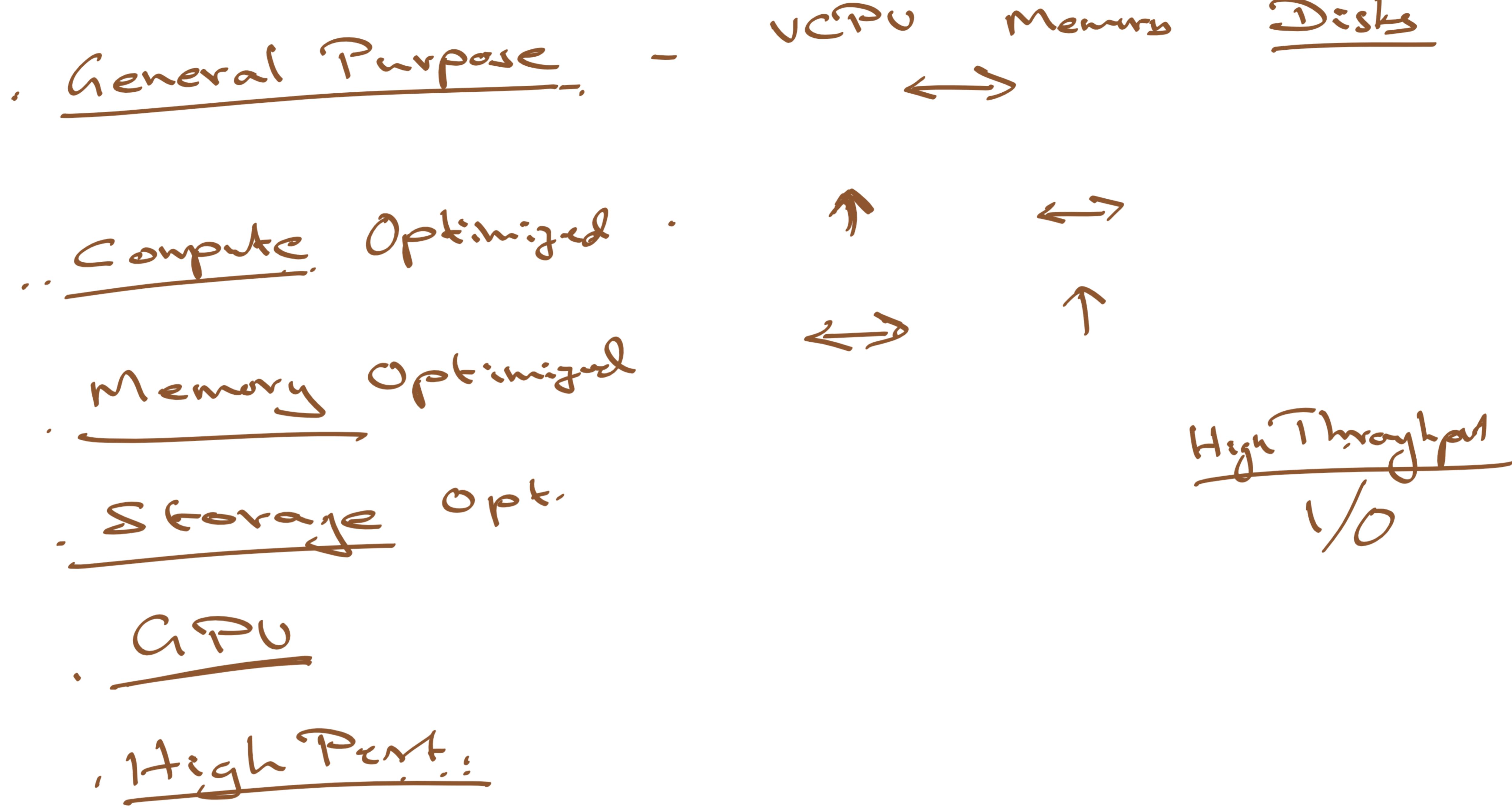
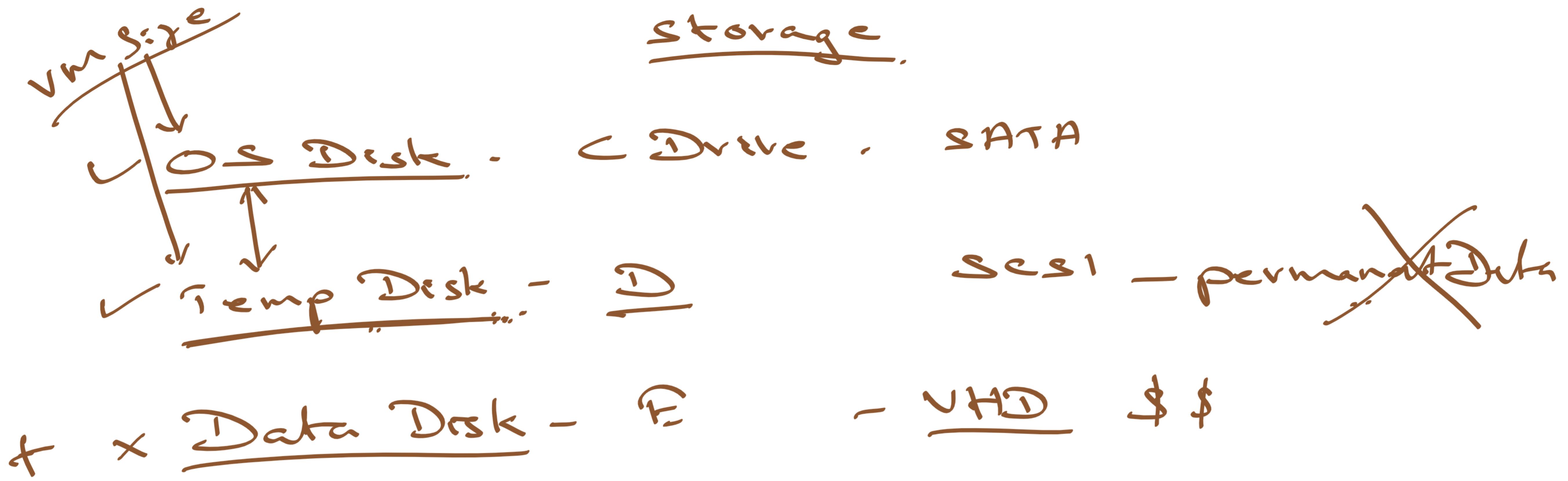


VM

- * vCPU, memory, VM Size, SKU
- * OS
- + Disk — store data
- + N/W — IP Addr
- + STC



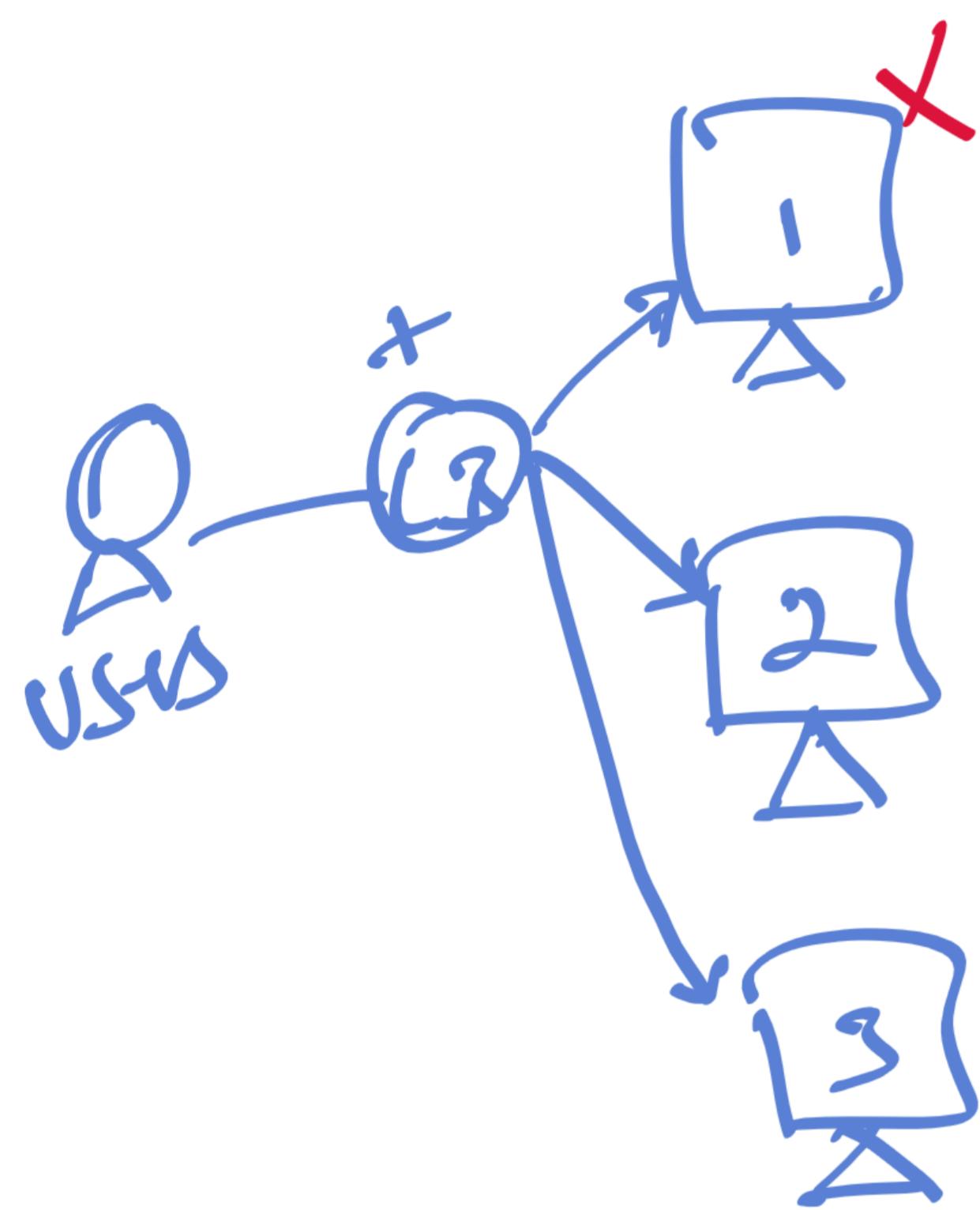


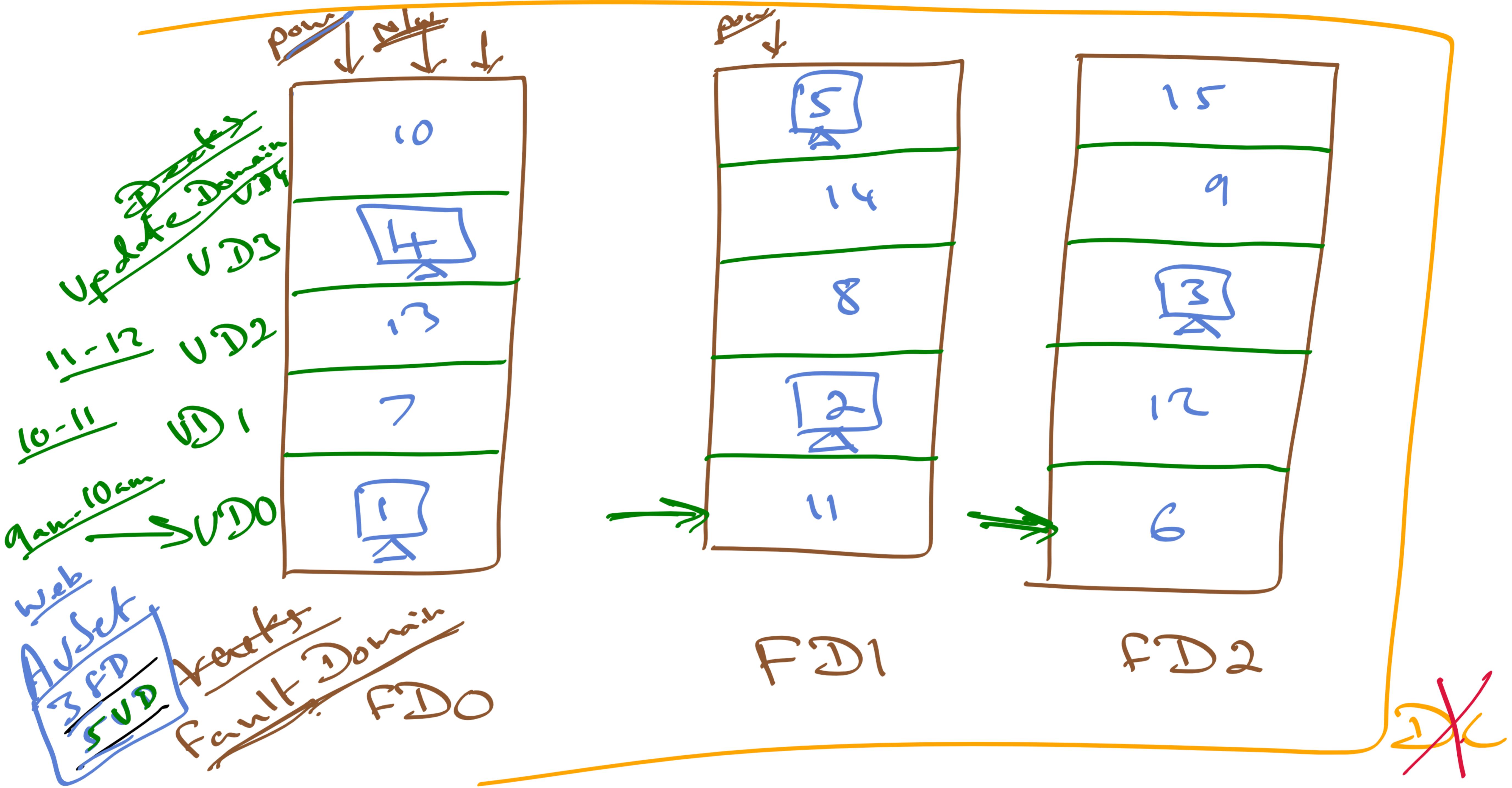
Availability VM Redundancy

- * Unplanned H/w maintenance: Live Migration Tech.
- ✓ * Planned maintenance.
- * Unexpected downtime: ✓ N/w , Desk

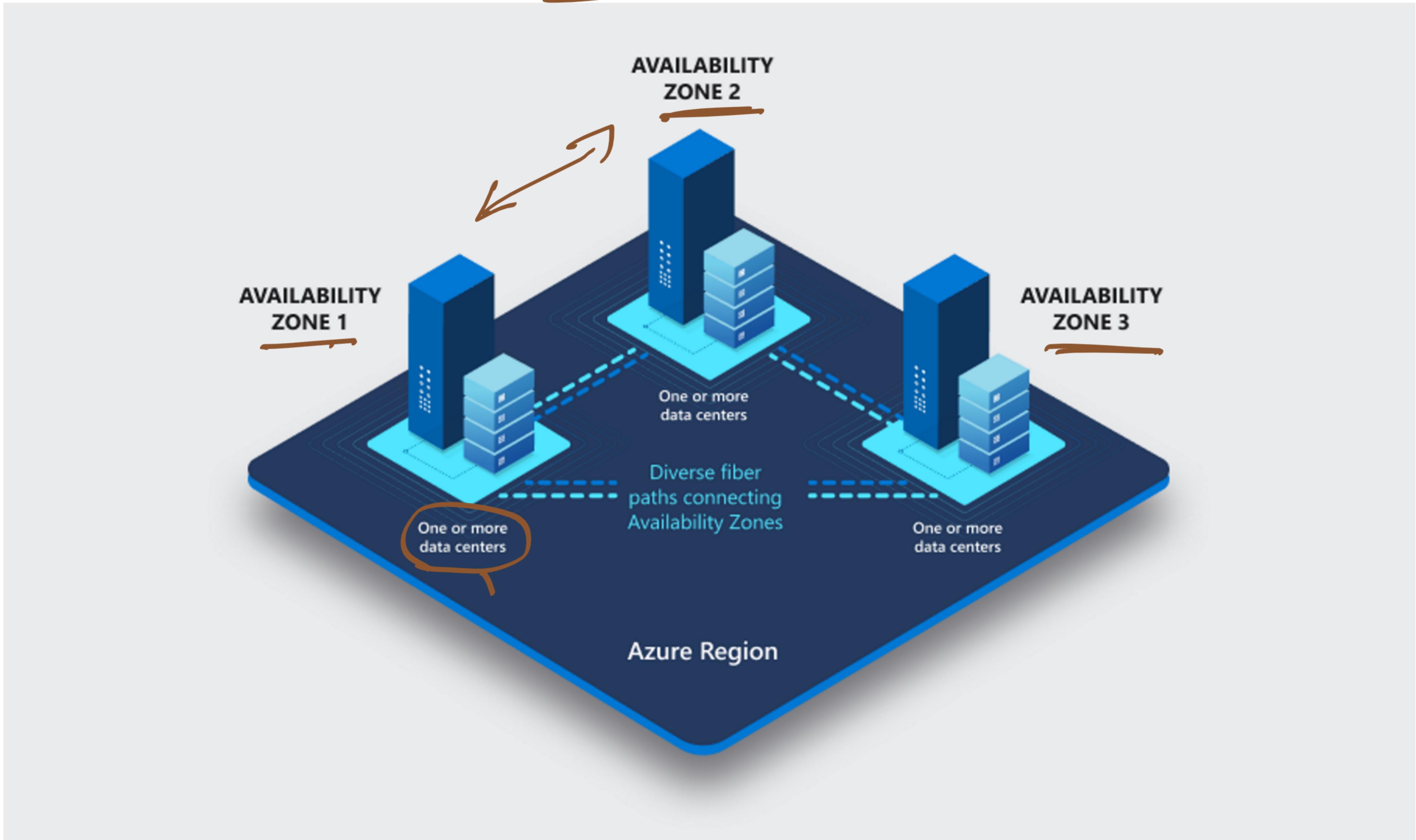
~~3 servers~~

High Availability
Availability Set H/W



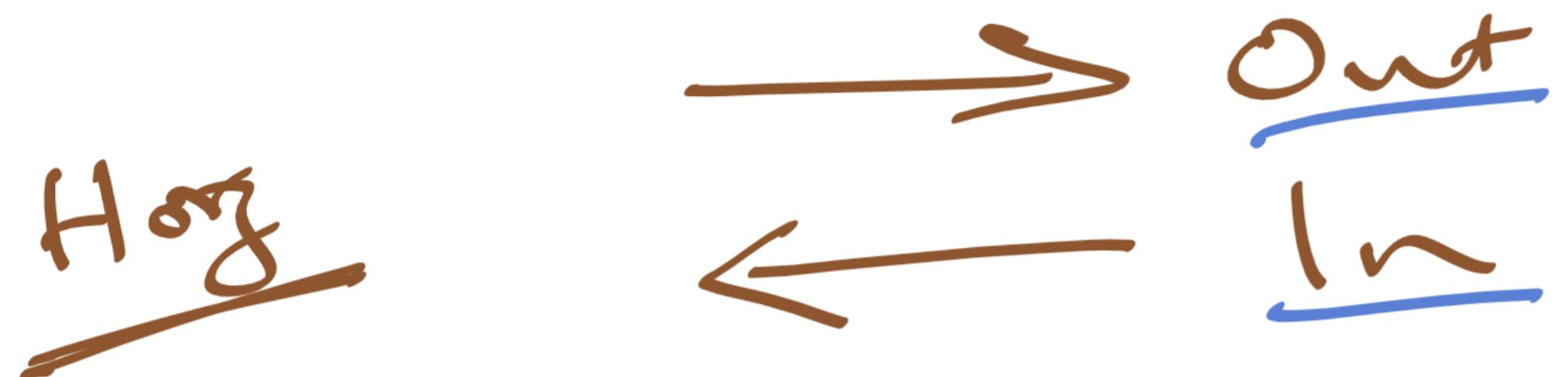


E-US Region → Availability Zone



Scalability.

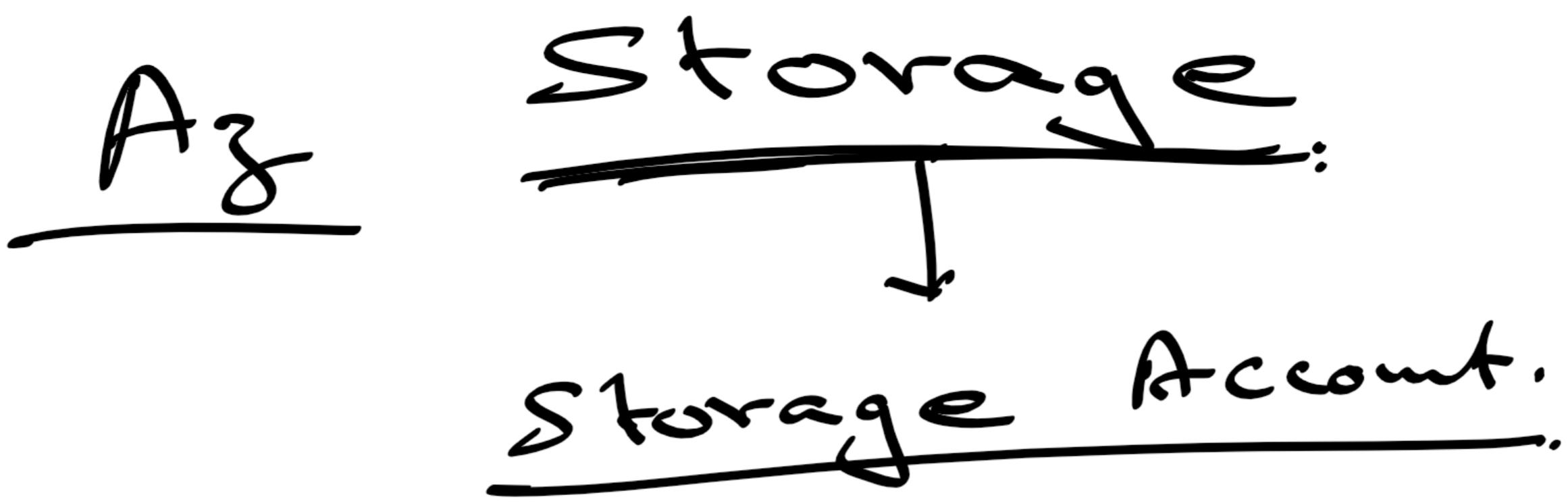
VMSS



Resizing

CPU ↑
Mem ↑

↓ CPU
↓ Mem



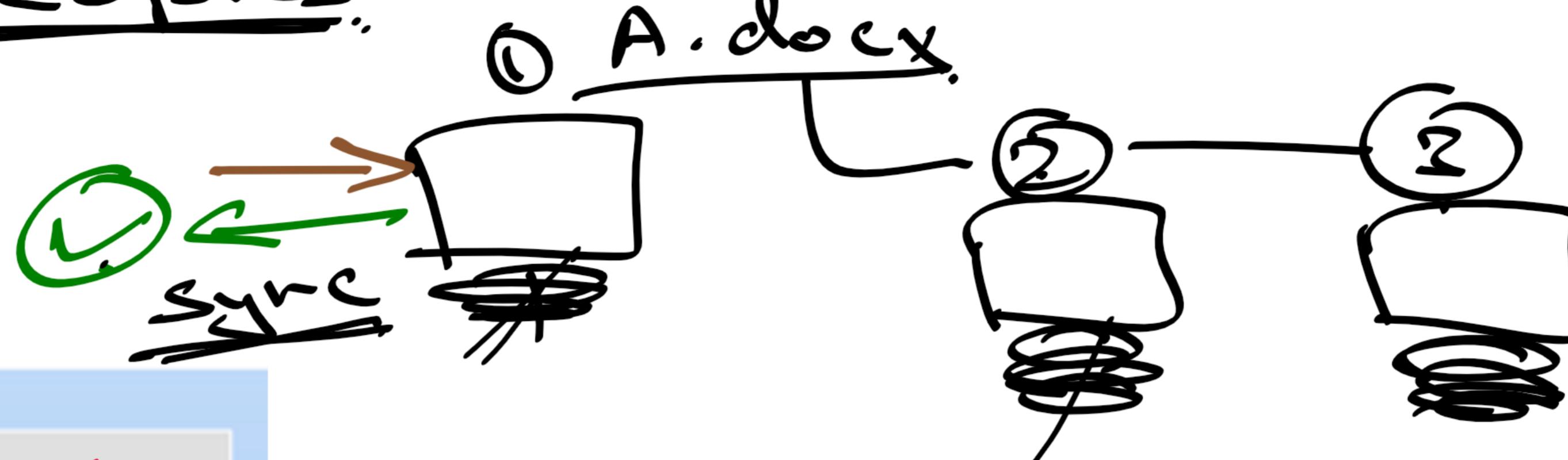
- ① Structured Data
- ② Unstructured Data Az Blob.
- ③ VM Data
 - VHD -
 - Files.

Storage Account $\triangleq \{$ Data storage -
Transfer

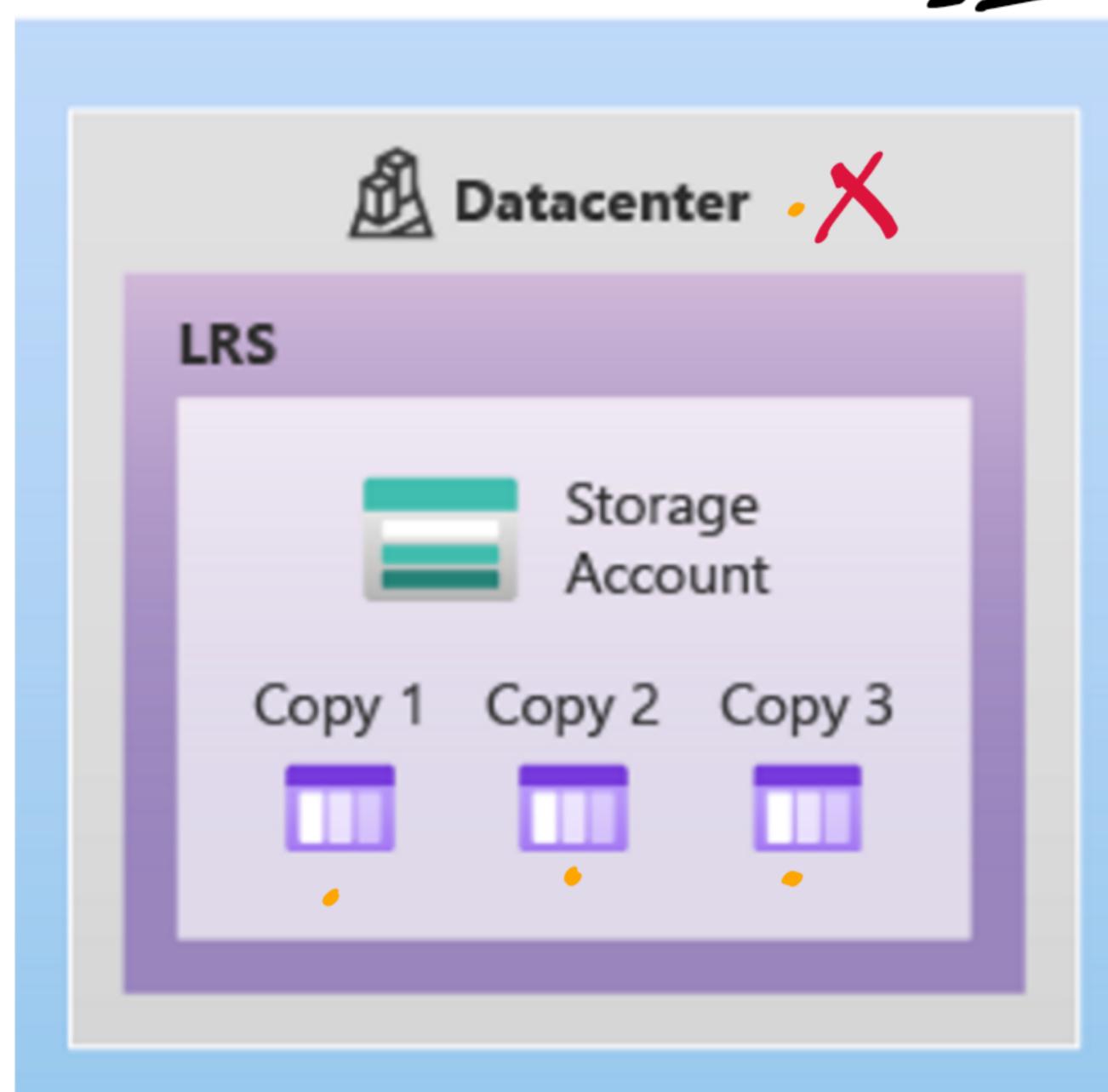
- Available
- Redundancy
- Security
- Manageability
- Scalability
- Standard - HDD: low-latency port $\$ \$$
- Premium - SSD: Bulk

SAL LRS, (11 nines)

- 3 copies:



Primary region



ZRS (12 nines)
- 3 copies
Primary region E-US X



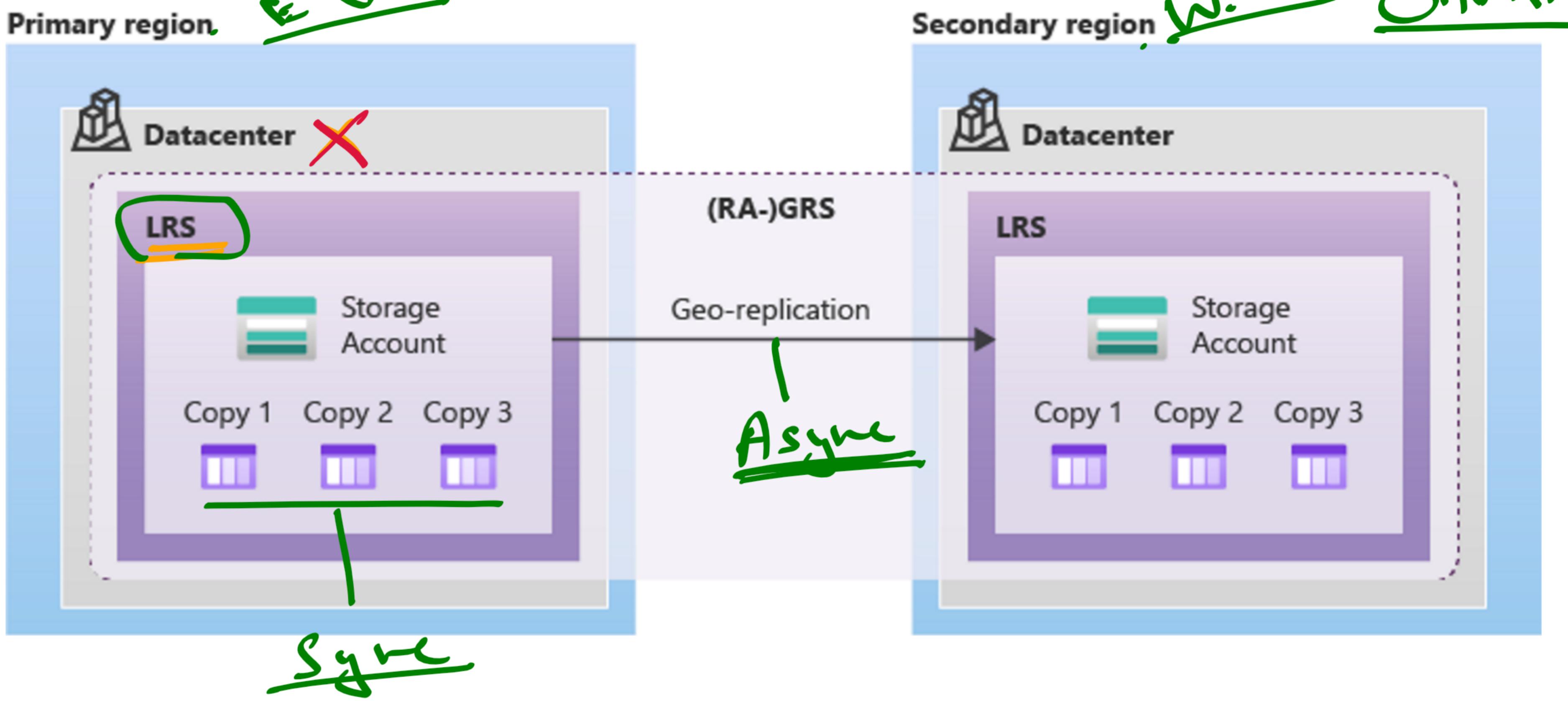
VRA - GRS (16 nines)

Prim.
E-US
3 copies

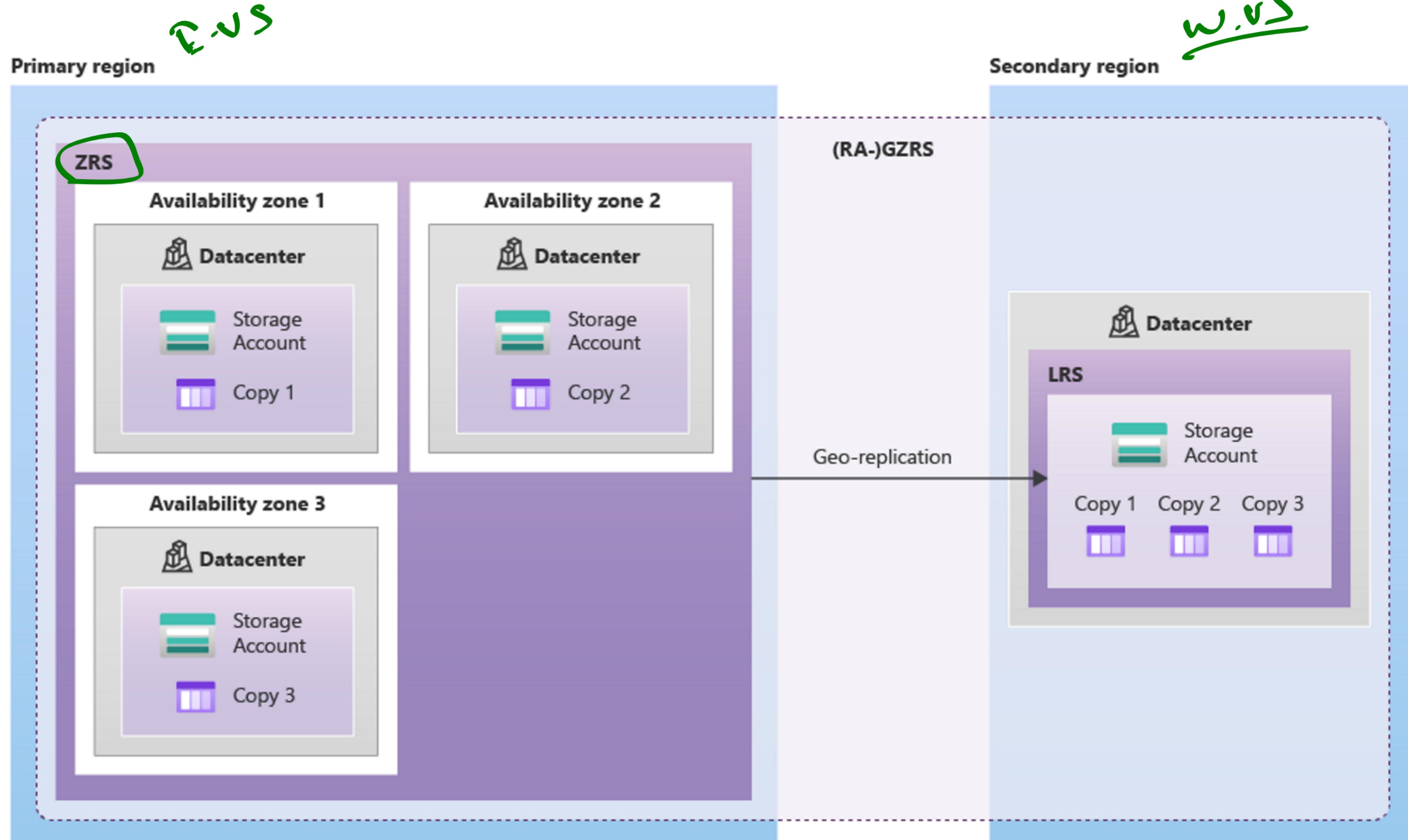
paired
geo-replic.

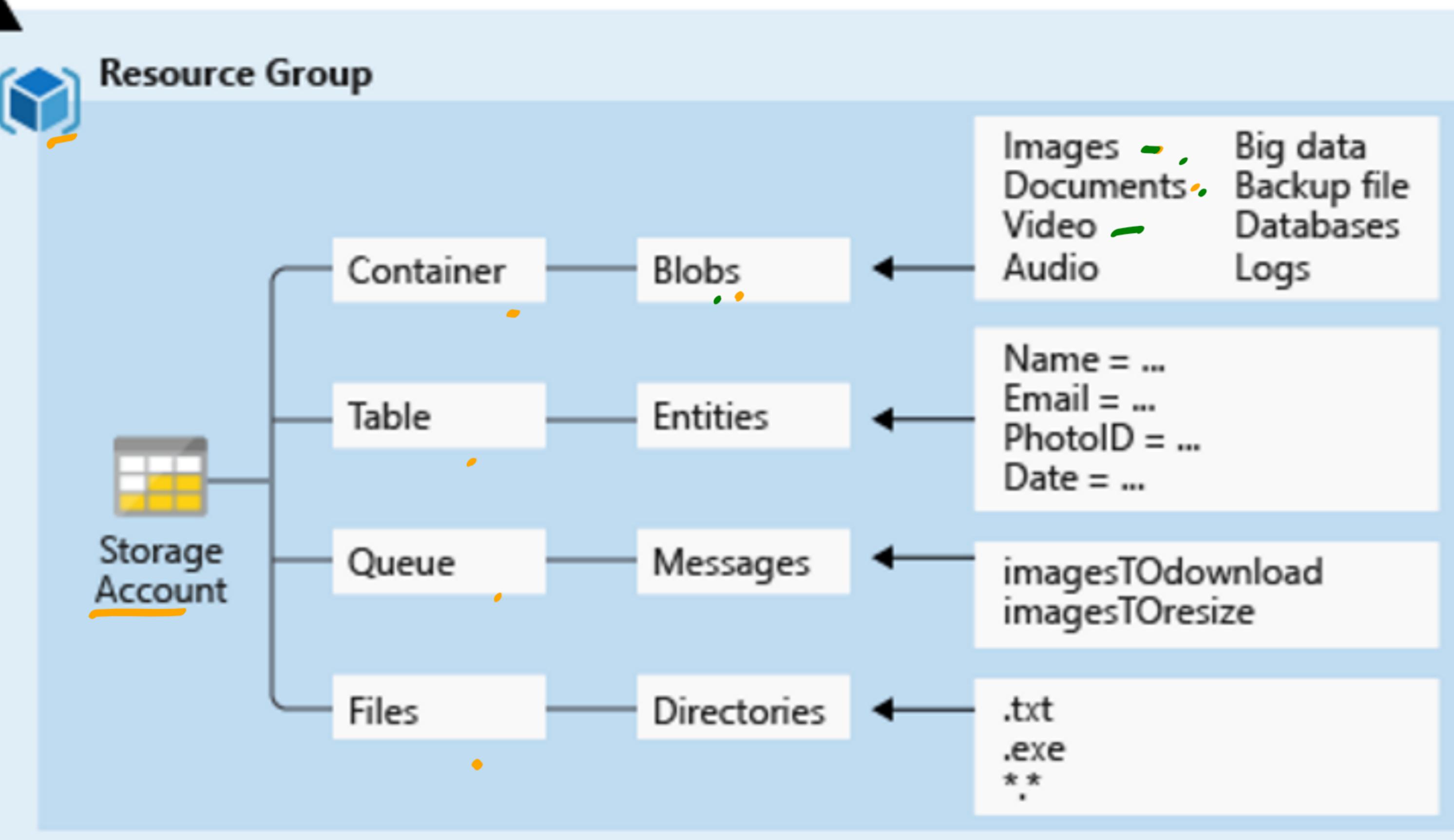
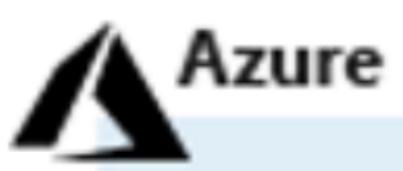
Geo - RS

W.US
3 copies
E-US



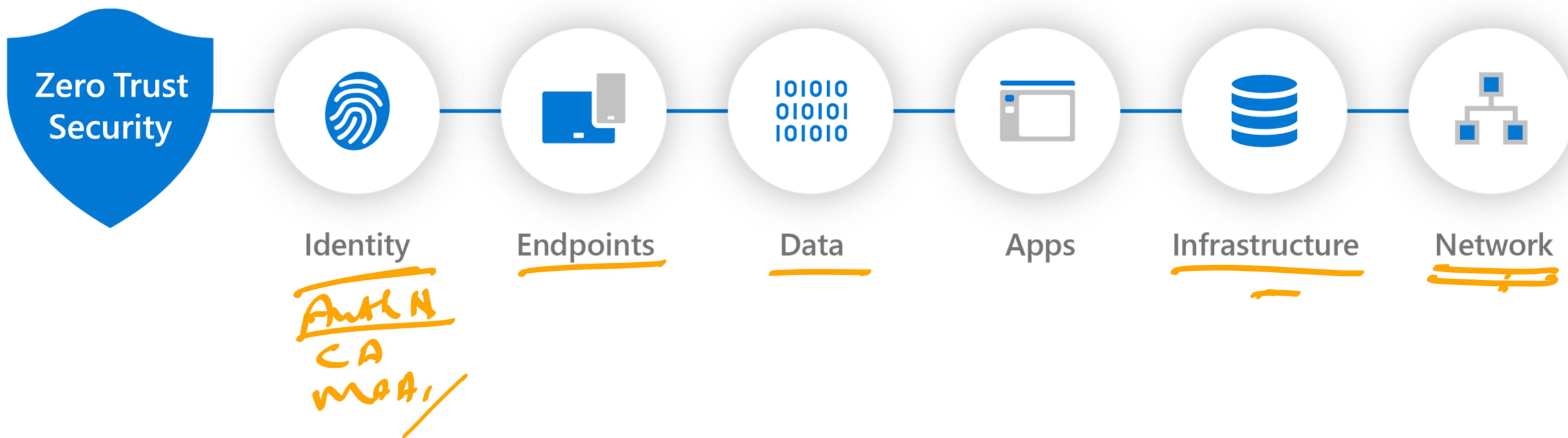
GZRS



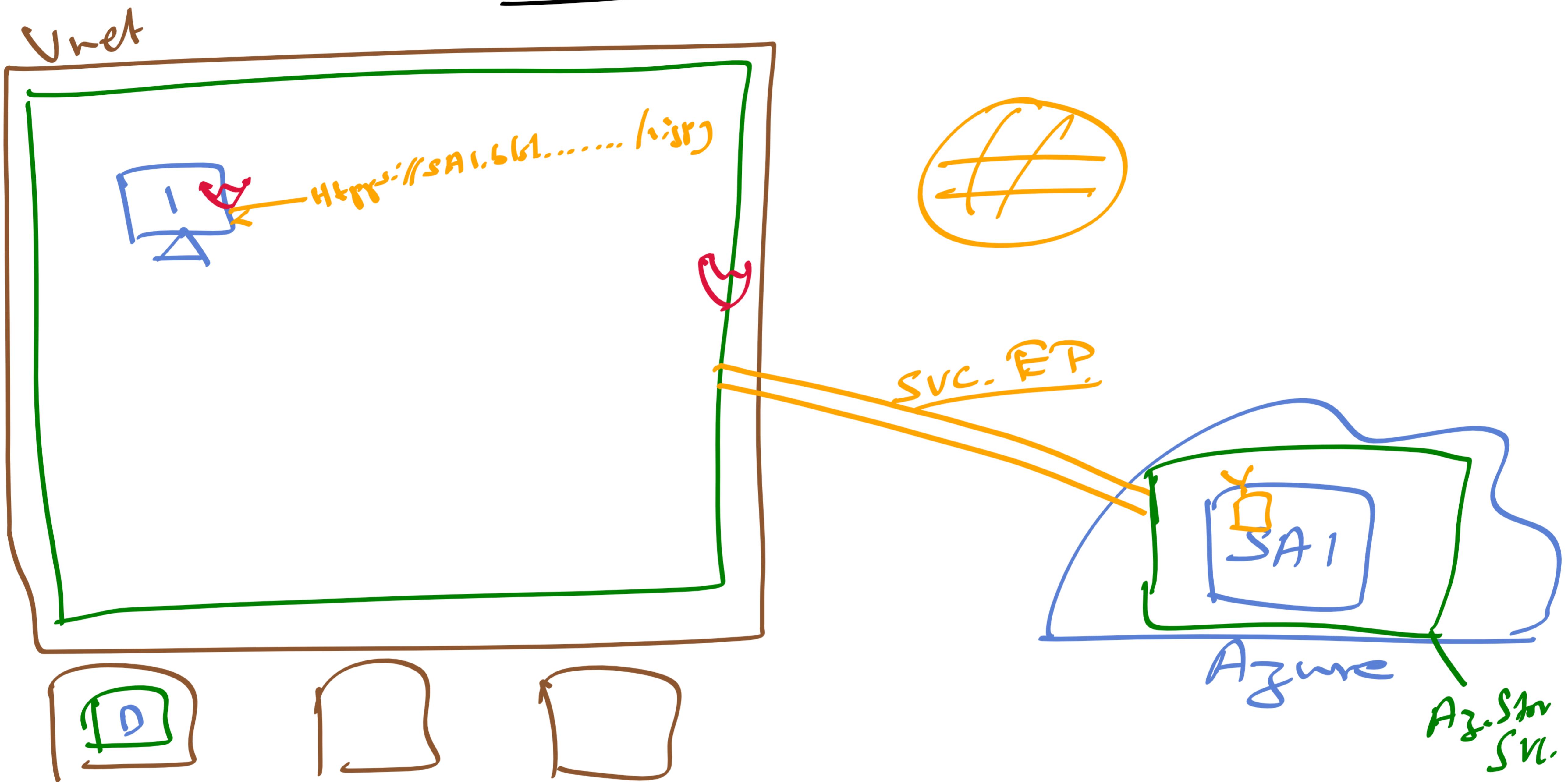


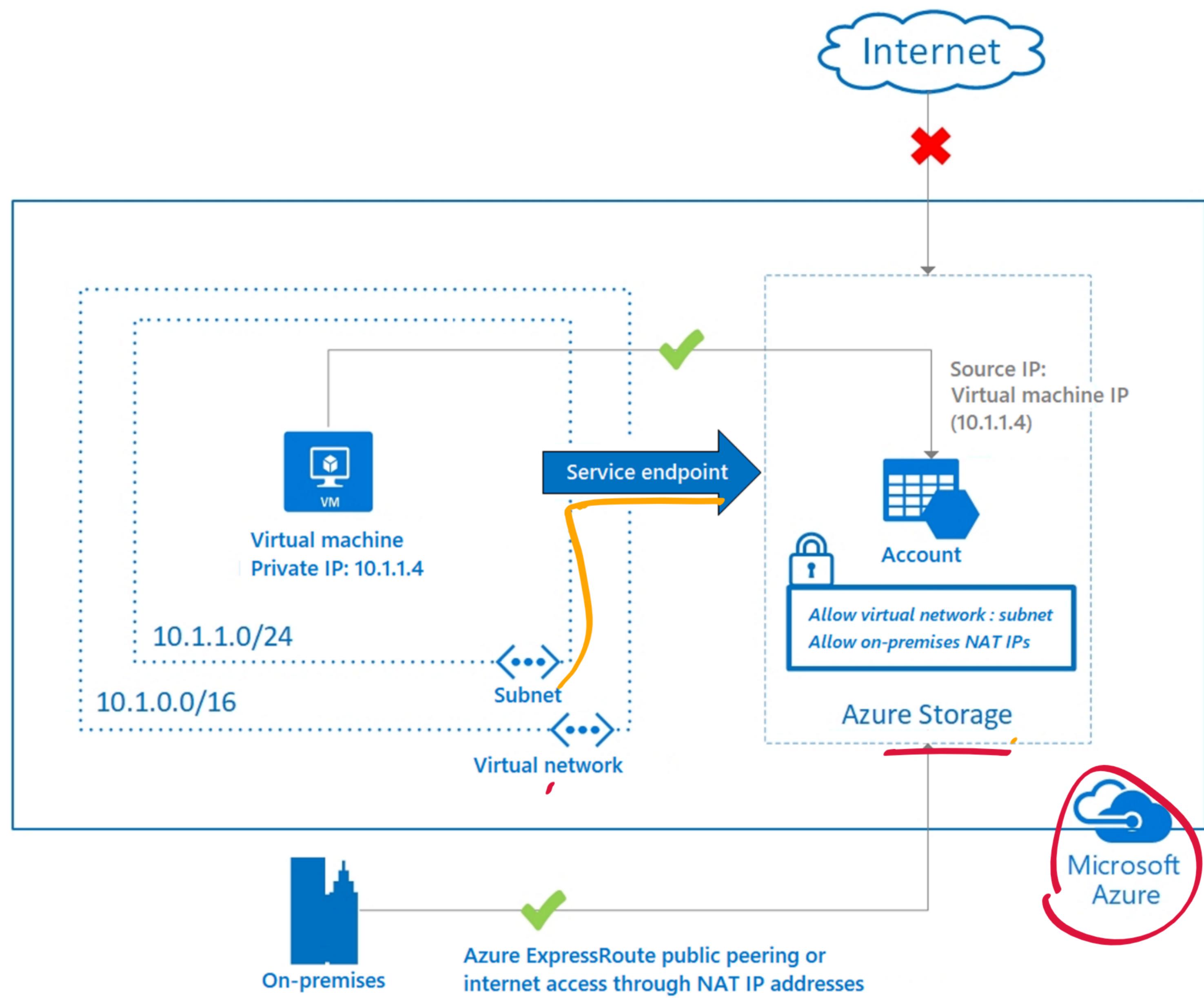


Visibility, Automation, Orchestration



Service Endpoint





WAN

Back bone
N/w

