Public Cloud:

- -> everything runs on cloud provider I hardware
- -> in sare cases, it may not meet some of unique buginess requirements

Private Cloud:

- -> Same as on-premise data-centre but the data-centre is located in a remote location.
- -> must achieve the keycharecteristics of the cloud

Hybrid cland:

-> Combines private dond and/or on-premise infrastructure with public cloud.

Data Couter:

- -> Physical location with its own
 - power
 - → Network
 - → conting

that hoses group of networked Samess.

Regions:

low-lat < 2Ms

→ heographical area where one or More Des are connected with low-late network.



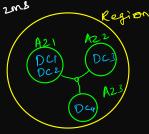
Just the Dc too

UK-South - UK-West NOT all Services are available in all regions

Availability Zone:

Fault tolerance mechanism that groups one or more Des within a a region called Availability zone.

low let Lzmb



- -> A2 are for enough about to reduce muliple local butoget like weethingelic
- → Nicrosoff make sure updates are applied to one A2 at a fine
- > Zonal and zone-redundant
- > Az numbers are logical number assigned tophytical Az and change from Sulo to Sub.

Region pair:

7 Rogions are paired for DR and they are atteat 300 miles apart from each other but with Same goography (except Bonzi)

> [Flood, Strom, Earth Quake]

-> Region paix are static.

→ Whates won't halpen to paint regions at the same time

Creography

Discrete married with two or more region to ensure

s data residency

rogion level

Provides FT for

-> sovereignty -> Resilience es comprience

failures.