**DAY 1**

**AZ 104 ->** As a Azure Administrator, your role is to manage the cloud infrastructure.

* They take end-user request for new cloud applications**, and make recommendation on services to use for optimal performance and scale,**

Storage, Networking, Compute

Security, Data Protection

Monitoring and Backup

**Core infrastructure Component:->**

1. DataCenter -> physical infrastructure/building where services are running.

(Reason for DC failure -> Power failure, network, or cooling mechanism, Each Datacenter has independent Power, network, cooling mechanism.)

1. Availability Zones -> Group of datacenters. One or more Datacenter.
2. Azure Region
3. Azure region pair -> replica of primary region. Primary and secondary region is known as region pair. Separation between them in greater than 300 Miles. (Region pair list is already decided).
4. Azure Geography -> This is at country level sometimes, It is boundary at data redundancy and compliance.

A diagram of a couple of rectangular boxes

Description automatically generated

**Azure Active Directory (Microsoft Entra ID)**

This is common active directory for all diff cloud services.(Single directory for all). We have separate licence for MS Entra ID.

Below are services,

1. MS Azure
2. M365
3. MS Dynamics
4. Azure DevOps
5. MS Intune
6. M365 Defender.

What is ADDS ? -> How it is diff from Active directory

Topics to cover -> Configure MS Entra ID, Configure User and Group Accounts?

Active directory is Identity Provider. It is providing identity to user, groups, devices and resources.

***What is main role of Identity Provider ?***

1. Administration – create, delete, modification of identities
2. Authentication
3. Authorization
4. Auditing -> Identity Protection, Identity Governance.