

IT Project Flow & Azure Admin Role

IT Project Life Cycle (General Flow)

1. **Requirement Gathering:** Client apna requirement deta hai (example: banking app, HR portal, cloud migration). BA (Business Analyst) aur Project Manager requirement note karte hain.
2. **Planning & Design:** Architect system ka High-Level Design (HLD) aur Low-Level Design (LLD) banata hai. Tools, cloud services, infra requirement decide hoti hai (VMs, DB, Networking, Backup). Timeline & budget fix hota hai.
3. **Development:** Developers code likhte hain. Testing team test karti hai (Unit, Integration, UAT). Azure Admin infra ready karta hai (VMs, Storage, Networking).
4. **Deployment:** Application aur infra ko production me deploy kiya jata hai. Azure Admin deployment ke time infra side handle karta hai (scaling, NSG, Load Balancer, DB connectivity).
5. **Operations & Maintenance:** Monitoring, Backup, Security, Updates ka kaam hota hai. Bugs fix karna, new features add karna chalta rehta hai.

Azure Admin ka Role (Project ke hisaab se)

- **Requirement Phase:** Infra requirement samajhna (kitne servers, kitna storage, kaunsa region).
- **Design Phase:** Architect ke saath milke Azure services ka design banana (Hub-Spoke VNet, HA setup, DR plan).
- **Development/Testing Phase:** Developers ko environment provide karna (VM, DB, App Service). Network aur Security setup karna.
- **Deployment Phase:** App ko production infra par deploy karna. Load Balancer, Backup, VPN, Monitoring enable karna.
- **Operations Phase:** Daily monitoring, incidents solve karna, scaling, patching, backup restore test, DR drill manage karna.

Example:

Agar ek **E-commerce website** project hai:

- Dev team website ka frontend/backend code likhegi.
- Azure Admin infra banayega (Web VM, DB server, VNet, NSG, Load Balancer, Backup).
- Deployment time admin ensure karega ki site secure hai, scaling ho rahi hai, aur monitoring enabled hai.
- Maintenance phase me admin ensure karega ki downtime na ho aur backup/DR ready rahe.