Cloud me saman ko resource bolte hai...

Kharidna kyu hai?

Landing Zone banane ke lie..

Landing Zone bana kyu rahe hai? (Normal and Hub and Spoke

Application ko Baithane ke lie..

Application kaha se aaega?

Developer Likh ke dega...

Developer ka architect requirement dega...

Architect ko Customer dega...

Sab ko ye chatgpt pr dalke padna hai...
Prompt - Suppose we are designing one architecture and we are migrating from on prem to cloud for and monolithic application so what questions I need to discuss with the customer at the time of HLD and LLD for customer call.

Onboarding and Hierarchy Setup

Authentication and Authorization - Entra ID/Active Directory (tenant_id)

Goverance - Azure Policy

Entra ID Setup

Foundation Building and Networking

Compute + Middleware

Loadbalancer - Upr se Ghusna

Bastion - Computer me login karna
KeyVault - VM ka password rakhne ke lie

Storage Account and Database

Private Endpoints and Service Endpoints

Monitoring

Backup and DR

Cost Optimization

Normal Landing Zone

HLD Discussion and Design - Infra Side se..

LLD Design

3 Tier Application
Elearn Portal

Frontend

https://github.com/devopsinsiders/elearn-frontend

React JS

Backend

https://github.com/devopsinsiders/elearn-backend

Dotnet Core

Database

FrontendComputer

Backend Computer

Apne ghar

Airtel Router

WiFi

Airtel Router

Frontend Computer

frontend application

Physical/Personal Computer

Backend Computer

backend application

100-200 Computer

Virtual Machine

Virtual Network - hazaro computer jod sakte hai...

Subnet - 200

Subnet - 100

Subnet -150

Mangement Group

Subscription

Resource Group

Virtual Network - 50000 Computers

frontend-subnet
50 Computer

FrontendVM

backend-subnet
50 Computer

BackendVM

database-subnet
50 Computer

DatabaseVM

Kharidna kya kya hai?

1. rg,
2. vnet
3. subnet
4. vm
5. database

Clerk jaisa padenge hum

Assignment - Sab kuch terraform se foreach + map laga ke banana hai...

Networking

512, Street1

756, Street 7

Airtel Router = Networking banane ka device hai

1. jo bhi connect hoga usko ip address dena..
2. 2-way communication karwana using ip

IP Address -
43.54.34.23

4 number 3 dot

0-255.0-255.0-255.0-255

Internet Service Provider

Router(Public IP)

192.168.15.1

Mumbai Router

Indore router

San Frascisco

Airtel Router
India
192.168.1.0-192.168.1.16

Google Router
USA

10.1.45.6

20.1.4.58

Youtube Server
56.1.1.5

Classless Interdomain Routing - CIDR Notation

Advantages of Virtual Networks

Security

Best Practices while creating an network

Address Space Planning

Subnet Planning

NSG planning

Least privilege access

Policy and Governance