Linux (Very Less Weightage)

Computer

On Prem → Cloud

Middleware

Application

1. On Prem to Azure Cloud Migration
1.1. Cloud Adoption Framework
1.2. Landing Zone
1.3. Hub Spoke Network Model
1.4. HLD
1.5. LLD
1.6. CIDR

2. Cloud Services
2.1 Management Group
2.2 Subscriptions
2.3 Resource Groups
2.4 Virtual Network (CIDR)
2.5 Subnets (Chota chota cidr)
2.6 IAAS = Virtual Machines/VMSS PAAS = App Service/ Web Apps/Function Apps/Logic Apps/AKS/ACS/Storage Account
2.6.1 Middleware = nginx,iis,tomcat,apache (KOI NAHI PUCHEGA)
2.7 Postgres, MongoDB, Azure SQL, MySQL, Cosmos etc...
2.8 Loadbalancer, Application Gateway, Frontdoor, traffic Manager
2.9 Security = WAF, Firewall, NSG, ASG, Keyvault, Bastion, Azure Policy
2.10 Monitoring = Log Analytics Workspaces, Azure Monitor, Prometheus, Grafana Loki
2.11 Backup = Backup Vault, ASR, VM Backup and DB Backup
2.12 Compliance and Govenrance = Azure Policy
2.13 DR = Automatic Site Recovery (ASR), Multi region deployments
2.14 Data Services = Data Factory, Synapse Analytics, Data Bricks

Resource Banane ke tarike

- Manual
- Automation
  - Az cli
  - Terraform

Monday(7th April) 9:30PM ka target rakhte hai

Terraform Syllabus

Documentation = Terraform Registry registry.terraform.io	Terraform kya hota hai?	Kon Banya?
Providers	Blocks	**Terraform ka Dimag - State File**
Terraform Variables - Strings, List, Boolean, Map	Terraform Loops - Count and foreach	Terraform Provisioners
Terraform Dynamic Blocks	Import Blocks	Conditional in Terraform
Terraform Modules	Terraform Functions	Local Blocks
Expressions - for etc...		

1. बने रहो पगला, काम करेगा अगला।
2. बने रहो कूल, सैलेरी मिलेगी फुल।
3. जिसने ली टेंशन, उसकी वाइफ लेगी पेंशन।
4. काम से डरों नहीं ओर काम को करो नहीं।
5. काम करो या न करो, काम की फिक्र जरूर करो।
6. फिक्र करो या न करो, फिक्र का जिक्र बॉस से जरूर करो।
7. जो काम करे, उसे अंगुली करो और जो काम न करे उसकी चुगली करो।

Terraform Modules

- 1.1 Iska Structure hota hai
- 1.2 Structure ke andar rahenge folders aur folders ke andar me subfolders
- 1.3 Subfolder = Resource
  - Resource wale folder me
    - 1. main.tf
      - 1.1 Resource Block hoga
      - 1.2 ForEach/Count - Meta Arguments
      - 1.3 Dynamic Blocks
      - 1.4 Optional Attributes
      - 1.5 Functions
      - 1.6 Local Block/ Data Block
      - 1.7 Template Files
    - 2. variables.tf
      - 1. String
      - 2. Number
      - 4. List
      - 5. Map
      - 6. Objects
      - 7. Boolean
    - 3. output.tf
      - 3.1 Output Blocks