Azure Admin and Azure DevOps

1. Overview of Azure

Introduction to Microsoft Azure

Benefits of Cloud computing

Types of cloud computing

Azure Data Centres and Services

Azure Subscriptions

Classic Vs Azure Resource Manager

Cloud Service Models (IaaS,PaaS,&SaaS)

Azure Market Place

Azure PowerShell

Azure CLI

2. Azure subscriptions and Resources

Create and Manages Azure subscriptions

Access Control on the subscription

Overview of Azure resource manager

Create and manage Resource groups

move resources across resource groups

3.Azure virtual machines

Deploying virtual machine from Azure portal.

Virtual machines configuration.

Choosing Right VM configuration.

4.Azure storage

Types of Azure storage

Types of Storage Accounts

Storage replication in Azure

Managed vs unmanaged storage

Different types of disks in Azure and benefits

Choosing the right storage for different workloads

5.Azure Networking

Overview of Virtual Networks

Creating Virtual networks and subnets

Setup connectivity to Azure resources

Global Vnet Peering

Azure load balancers

6. High availability Services

Azure Availability sets

Azure Availability Zones

Azure scale sets

Azure disaster recovery

7. Network security groups

Creating Network security groups

Associating NSG's.

Configuring inbound and outbound rules

Restricting traffic to the Subnet and VM using NSG

8. **Azure PaaS services**

overview of Azure PaaS Services

Azure cloud services (classic)

Azure App services

Monitoring and securing App services

Restricting traffic to apps using Azure Application Gateway

9.Azure recovery services

Overview of Azure recovery services vault

Configure Backups for Azure VM's

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10.Azure Active directory (AAD)

Overview of Azure Active directory

Creating and manage User and groups in AAD

Providing permission to Azure resources

Overview of Azure AD premium.

Configure custom domain in Azure

Integrate on premise AD with Azure AD

Configure Multi factor Authentication

11. Azure Monitoring

Monitoring server health status

Creating and configuring alerts using Azure monitor

12. Azure DevOps:

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1. Azure Boards
2. Azure repos (Repositories)

3. Azure Pipelines (Classic, YAML, Multi Stage YAML based pipelines)

4. Azure test plans

5. Azure Artifacts

6. Terraform

7. Kubernetes

8. Application Deployment and Application Build

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