

AZURE COURSE CONTENT

1. Azure Basics:

Windows Azure Introduction
Creating Azure Free Account
Azure Subscriptions and Roles
Azure Portals ASM & ARM

2. Compute:

- Introduction to Virtual Machines
 - Compute tiers
 - pricing
- Different ways to deploy virtual machines
- Configuring and managing Azure virtual machines
- Advanced concepts on Azure virtual machines
 - Different types of VM images
 - Custom images
 - VM disks
 - VM endpoints
 - Availability sets
 - Assigning static Ips

3. Network:

Introduction to Azure Virtual Networks
Creating and Managing Azure virtual networks
Understanding Network ACLs and Network Security groups
Understanding Azure DIP, VIP and PIP
Azure VNET to VNET
Azure Point to Site
Azure Site to Site
Azure ExpressRoute

4. Storage:

- Introduction to Windows Azure Storage
- Understanding Different Azure Storage replication techniques
- Different types of Azure Storage options
 - Azure File Storage
 - Azure Blob Storage
 - Azure Queue Storage
 - Azure Table Storage
- Advanced Concepts on Windows Azure Storage
 - Storage Access Keys
 - Storage Access Signatures

- Use cases for Azure File, Table, Queue and Blob storage
- Different types of Blobs

5. Azure Active Directory:

- Active Directory Fundamentals
- Active Directory Fundamentals OAuth
- Multifactor Authentication
- Understanding Differences b/w Traditional AD and Azure AD
- Understanding Azure AD integration
- Azure AD data Sync
- Role-based Access Control

6. Azure WebApps:

- Introduction to Azure Web Apps
- Understanding Web App Tiers and Pricing
- Understanding App Service Plans
- Understanding Different Ways to deploy Web Apps
- Deployment pipeline
- Scaling Web Apps
- Supported Languages
- Security and Monitoring
- Understanding Web jobs
- Azure Logic Apps
- Azure API Apps

7. Azure SQL Database

- Introduction Azure SQL Database as a service
- Comparing Azure SQL and Traditional SQL
- Benefits of Azure SQL database
- Advanced capabilities
- Backup options
- Scaling Azure SQL Database
- Security
- Pricing

8. Azure Service Bus

- Introduction to Windows Azure Service Bus
- Service Bus Queues
- Service Bus Topics
- Service Hub Relays

9. Azure Traffic Manager

- Introduction Azure Traffic Manager
- Understanding Different traffic routing methods
 - Priority method (Failover method)
 - Weighted method (Round-robin method)

- Performance method (Performance method)

10. Azure CDN

- Introduction Azure CDN
- Understanding Azure CDN
- Setting up Azure CDN

11. Azure Services

- SAAS
- Backup
- Load balancer
- Site Recovery
- PowerShell
- CLI
- Cloud Services
- Automation