

Azure Course Content

→ Introduction to Azure

- Cloud technology overview
- What is PaaS/ SaaS/ IaaS
- Overview of Azure
- Managing Azure Subscriptions
- Managing Azure with the Azure portal
- Demo: Azure Portal
- Overview of Azure Resource Manager
- Azure management services
- Azure Architecture

→ Azure Virtual Machines

- Create and Configure Virtual Machines
- Workloads on Azure Virtual Machines
- Deploying Virtual Machine Images
- Implement images and disks
- Configure Disks
- Monitoring VMs

→ Azure Storage Operations

- Understanding Cloud Storage
- Blobs and Azure files
- Storage Queues, tables and Managing access
- Create and Manage Storage

→ Azure Network Services

- Introduction to Azure Virtual Networks
- Creating and Managing Azure Virtual networks
- Understanding Network ACL's and NSG
- Azure VNET to VNET
- Azure Point to Site
- Azure Site to Site
- Azure ExpressRoute

→ Azure Backup and Recovery Services

- Implementing Azure Backup
- Implementing Azure Recovery Solutions

→ **Azure Web Apps**

- Deploy and Configure websites
- Websites Scaling
- Web Apps Deployment Models and Methods
- Web Deploy packages and Deployment Slots

→ **Azure Content Delivery Network**

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

→ **Implementing Azure Active Directory**

- Creating and managing Azure AD tenants
- Administering Active AD
- Extending on-premise AD to Azure AD
- Implementing directory synchronization by using AD connect
- Configuring directory Synchronization
- Federation Concepts

→ **Identity Management and Access control**

- Windows Azure Access control service
- Azure Security Access control
- Shared Access Signatures with Azure Service bus
- Shared Access Signatures best practices

→ **SQL Azure**

- Planning and implementing Azure SQL DB
- Implementing and Managing Azure SQL DB
- Managing Azure SQL DB security
- Monitoring Azure SQL DB
- Managing Azure SQL DB business continuity
- Migration Methods and Limitations

→ **Azure Traffic Manager**

- Introduction Azure Traffic Manager
- Understanding Different traffic routing methods
- Priority method
- Weighted method
- Performance method

→ **Azure based management and automation**

- Implementing Microsoft Operations Management suite
- Implementing Azure Automation
- Implementing Automation runbooks
- Managing Azure automation