



AZURE Administration Course Outline

Course Outline/ Key Program Takeaways: **Become a cloud operations admin or architect with real-time knowledge in Cloud operations via labs**

Who Should Attend? **Sysadmins / Network Admins / Developers / sme's / tech leads / techno managers / solution architects etc.**

Benefits of attending the program: **Upgrade & update for cloud opportunities as and when it comes into your deliverable's in current or future organisations.**

1.Basics of cloud

- ❖ What is Cloud Computing
- ❖ Why we Need for Cloud
- ❖ Understanding Characteristics of Cloud
- ❖ Overview of Categories of Services
- ❖ Cloud Providers

2.Introduction to Azure

- ❖ Overview of Azure
- ❖ Cloud technology overview
- ❖ Azure Regions
- ❖ Managing Azure with the Azure portal
- ❖ Managing Azure with Windows PowerShell
- ❖ Overview of Azure Resource Manager
- ❖ Azure management services

3.Microsoft Azure Networking

- ❖ How to Create a Virtual Network
- ❖ Learn How to Create a Network Security Group
- ❖ Overview of Deploy VM to the Virtual Network
- ❖ How to Configure DNS in Azure
- ❖ Configuring Static IP in Azure
- ❖ Understanding User-Defined Routing
- ❖ What is VNet Peering in Azure
- ❖ What is Express Route and Site-to-Site VPN

4.Azure Virtual machines

- ❖ Overview of Azure virtual Machines.
- ❖ Creating Virtual Machines in Azure.
- ❖ How to Deploy Virtual Machine Images.



- ❖ How to Configure Virtual Machines.
- ❖ Creating Virtual machines as per Need.

- ❖ Configuring Availability sets.
- ❖ Virtual machine scale set(VMSS)

5. Azure Storage

- ❖ Creating and configuring storage account
- ❖ Implementing Storage in Azure
- ❖ Implement Azure storage Account
- ❖ Managing access keys and generate shared access signature Keys
- ❖ Creating Azure Content Delivery Networks
- ❖ Creating Azure Backup
- ❖ Implementing Azure Site Recovery
- ❖ Creating and configuring Azure storage
- ❖ How to use Azure file storage
- ❖ Configure Microsoft Azure Backup

6. Azure Active Directory

- ❖ Active Directory Fundamentals
- ❖ Understanding Azure Active Directory
- ❖ Sync on premise users with azure active directory
- ❖ Multifactor Authentication
- ❖ Understanding Differences Between Traditional AD and Azure AD
- ❖ Understanding Azure AD integration
- ❖ Azure Active data Sync
- ❖ Role based Access Control

7. Azure App Service

- ❖ Understanding Azure App Service
- ❖ Create/Configure and Managing Website's
- ❖ How to Push Webpages
- ❖ How to configure Custom Domain

8. Azure monitoring

- ❖ Monitoring Azure VMs
- ❖ Monitoring Azure Storage services
- ❖ Monitoring Azure App Service
- ❖ Enabling monitoring and finding logs for Azure Storage accounts
- ❖ Monitoring Azure Storage services