



IND +91 7416561177
USA +1 347 732 1028
AUS +61 2 8005 6874

www.cognizanceit.com

Here is your journey towards becoming a Microsoft Azure Architect.

Introduction

- Cloud Technology Overview
- Microsoft Azure
- What is PaaS/ SaaS/IaaS
- Overview Of Azure
- Managing Azure with the Azure portal
- Managing Azure with Windows PowerShell

Virtual Machines

- Virtual machines options
- Identify supported Microsoft workloads
- Classic VM vs Azure Resource Manager (ARM) VM
- Creating and Configure a Classic Azure Virtual machine
- Understand Cloud Service and Classic VM
- Create a Resource manager VM
- Availability Set (Fault and Update Domains)
- Azure Load balancer configuration
- Troubleshooting virtual machines (Boot diagnostics, Redeploy etc.,)
- Monitoring Virtual machines
- Setup alerts
- Capturing of a classic VM Image
- Cloud services and Auto scaling configuration





IND +91 7416561177
USA +1 347 732 1028
AUS +61 2 8005 6874

www.cognizanceit.com

- Deploying of VM's using ClassicImages
- Capturing of ARM Image
- Deploying of VM's using ARMImages
- Virtual Machine Scale Sets (VMSS)

Storage

- Planning Storage
- Classification of storage & Usage of different types of storage
- Blob, File, Queue, Table, Disk Storage Overview
- Implementing and ManagingStorage
- Monitoring Storage
- Usage of tools for connecting toStorage
- Attaching Disks to VM's/Expanding disks

Backup

- Overview of Azure BackupServices
- Azure VM backup
- On premise data backup toAzure
- Retention policies

Implementing and Managing Virtual Networks

- Planning Virtual Networks
- Overview of Azure VirtualNetworks
- UnderstandAzureDNSandusecases





- Overview of Network security groups
- Azure Gateway: Point to Site and Site to Site

Scenarios

- Implementing a Highly Available website solution.
- Implementing Domain controller in Azure and usage of Azure DNS/NSG's
- Joining systems to domain
- Implement Point to Site and Site to Site connectivity using Azure Network Gateway.

Managing Azure using Visual Studio

- Connect to Azure using Visual Studio
- Managing Azure from Visual Studio (Azure SDK).

Implementing Websites

- Planning for Website Deployment
- Deploying Websites
- Configuring Websites
- Monitoring Websites
- Scaling websites
- Troubleshooting websites
- Tools





IND +91 7416561177
USA +1 347 732 1028
AUS +61 2 8005 6874

www.cognizanceit.com

Azure Cloud Services

- . Understand web/worker roles
- Auto Scalability
- Deployment slots
- Continuous delivery using TFS/GIT

Azure Traffic Manager:

- Overview of TrafficManager
- Load balancing across VM's and Web Apps

Planning and Implementing Data Services

- Data Services in Microsoft Azure
- Implementing Azure SQL Database
- Database High Availability
- Monitoring Azure SQL Database
- Working with Azure Cosmos DB(NoSQL)

Implementing Azure Active Directory

- Creating and managing Azure Directories
- Sync On-Premise AD with Azure AD
- Overview of Azure Active Directory Premium

Implementing Content Delivery Networks

- Overview of Azure content Delivery Networks





IND +91 7416561177
USA +1 347 732 1028
AUS +61 2 8005 6874

www.cognizanceit.com

Other services

- Azure key vault
- Container services
- IoT hubs – Demo: Device to Cloud-Temperature monitoring system
- Service Bus – Overview of Queues, Topics, Relays

Total Duration: 45 Hrs

Batches Available: Weekdays & Weekends.

By CognizanceIT.

www.cognizanceit.com

