Microsoft Azure Administrator AZ-104

- Course Length: 4 days (**March 20-23rd, 2023**)
- Cost $2400.00 + GST (*In Person*)

Course Description

- This course teaches IT Professionals how to manage their Azure subscriptions, create and scale virtual machines, implement storage solutions, configure virtual networking, back up and share data, connect Azure and on-premises sites, manage network traffic, implement Azure Active Directory, secure identities, and monitor your solution.

Who should attend?

- This course is for Azure Administrators. Azure Administrators manage the cloud services that span storage, networking, and compute cloud capabilities, with a deep understanding of each service across the full IT lifecycle. They take end-user requests for new cloud applications and make recommendations on services to use for optimal performance and scale, as well as provision, size, monitor and adjust as appropriate. This role requires communicating and coordinating with vendors. Azure Administrators use the Azure Portal and as they become more proficient, they use PowerShell and the Command Line Interface.

Course Agenda

Azure Administration

- Azure Portal and Cloud Shell
- Azure PowerShell and CLI
- Resource Manager
- ARM Templates

Azure Virtual Machines

- Virtual Machine Planning
- Creating Virtual Machines
- Virtual Machine Availability
- Virtual Machine Extensions
- Lab : Deploy and Manage Virtual Machines
- Lab : Virtual Machines and Scale Sets

Azure Storage

- Storage Accounts
- Azure Blobs
- Azure Files
- Storage Security
- Lab : Implement and Manage Storage

Virtual Networking

- Virtual Networks
- IP Addressing and Endpoints
- Azure DNS
- Network Security Groups
- Lab : Configure Azure DNS

Intersite Connectivity

- VNet Peering
- VNet-to-VNet Connections
- ExpressRoute Connections
- Lab : VNet Peering and Service Chaining

Monitoring

- Azure Monitor
- Azure Alerts
- Log Analytics
- Network Watcher
- Lab : Network Watcher

Data Protection

- Data Replication
- File and Folder Backups
- Virtual Machine Backup
- Lab : Azure Site Recovery Between Regions

Network Traffic Management

- Network Routing
- Azure Load Balancer
- Azure Traffic Manager
- Lab : Load Balancer and Traffic Manager

Azure Active Directory

- Azure Active Directory
- Azure AD Connect
- Azure AD Join
- Lab : Implement Directory Synchronization

Securing Identities

- Multi-Factor Authentication
- Azure AD Identity Protection
- Self-Service Password Reset
- Lab : Azure AD Identity Protection
- Lab : Self-Service Password Reset

Governance and Compliance

- Subscriptions and Accounts
- Role-Based Access Control (RBAC)
- Users and Groups
- Azure Policy
- Lab : Role-Based Access Control
- Lab : Governance and Compliance

Data Services

- Content Delivery Network
- File Sync
- Import and Export Service
- Data Box
- Lab : File Sync