Microsoft Azure Admin training

Our training prepares you to achieve Microsoft Azure Administrator certification AZ-100 MS Azure Infrastructure and Deployment and the AZ-101 Microsoft Azure Integration and Security exam

Introduction
- Introduction Microsoft Azure Cloud
- Azure Overview
- Microsoft Azure Vs Amazon AWS

AZ-100 Microsoft Azure Infrastructure and Deployment

Introduction to Accounts and Subscriptions
- Trial Azure Account Creation
- Quotas, Cost Analysis and Tagging
- Billing Alerts
- Subscription Policies

Overview of PowerShell DSC
- Installing AZ modules
- Configuring PowerShell to connect to azure

Analyze Resource Utilization and Consumption
- Overview of Monitoring Capabilities in Azure
- Azure Monitoring and Alerts
- Storage Diagnostics
- Overview of Log Analytics
- Log Analytics Usage

Manage Resource Groups
- Resource Groups and Tagging
- Resource Locks
- Resource Locks
- Azure Policies
- Moving Resources between Resource Groups

Create and Configure Storage Accounts
- Overview of Storage Account
- Storage Account Portal
- Storage Account PowerShell
- Azure Storage Explorer
- AZ Copy
- Manage Permissions
- Shared Access Signatures
- Storage Keys
- Custom Domains

Import and Export Data to Azure
- Import and Export Service
- CDN

Configure Azure Files
- Azure Files
- Azure File Sync

Implement Azure Backup
- Overview of Azure Backup & Implementation
- Azure MARS Backup & Implementation

Create and Configure a VM for Windows and Linux
- VMs Overview & Types of VMs
- Choosing the right VM for business needs
- Create a Virtual Machine -Windows
- Connect to Azure Windows VM
- Create a Virtual Machine -Linux
- Connect to Azure Linux VM

Automate Deployment of Virtual Machines
- Custom Images
- Create a Custom Image
- Custom Script Extension
- Deploy Azure VM with PowerShell

Manage Azure Virtual Machines
- Overview of VM Storage
- Adding Disks
- Disk Caching
- Enable Disk Caching through power shell
- Azure VM Networking Review

Virtual Machine Availability
- Overview of VM Availability
- Availability Sets implementation

Virtual Machine Scale Sets
- Overview of VM Scaling
- VM Scale Sets

Implement and Manage Virtual Networking
- Network Overview
- VNETs and Subnets creation
- Networking Module: IP Addressing
- Networking Module: Static IP assigning

Create Connectivity Between Virtual Networks
- Hybrid Connectivity Options
- Routing and VNET Peering
- Routing and Peering implementation
- Hybrid Scenarios
- Configure Name Resolution
- IP and DNS

Create and Configure a Network Security Group (NSG)
- Network Security Groups
- Creating Network Security Groups

Manage Azure Active Directory
- Overview of Domain Services
- Overview of Azure AD
- Create Azure AD Tenant
- Create Users and Groups
- Configure Self-Service Password Reset Demonstration
- Azure AD Pricing

Implement and Manage Hybrid Identities
- Overview of AD Connect
- B2C and B2B
- Azure Active Directory Domain Services Implementation
- AD Connect Demonstration
- AD Connect Health Demonstration

ARM Templates
- Overview of ARM Templates
- Query Resources Providers
- Creating and Deploying ARM Templates
- ARM Functions and Linking Templates
- ARM Count Loops Implementation
- Save Deployments as ARM Templates Implementation

Azure Automation and Automation DSC
- Azure Automation -Portal
- Automation DSC - PowerShell

AZ-101 Microsoft Azure Integration and Security

Evaluate Scenarios with Azure Migrate
- Azure Migrate Overview
- Azure Migrate Assessment

Migrate Servers to Azure
- Azure Backup Overview
- Azure Backup Implementation
- Azure Backup MARS Agent Implementation
- Azure Site Recovery
- Prepare Azure for VMware Recovery Implementation
- Replicate from VMware to Azure

Configure Serverless Computing
- Serverless Computing, Functions and Logic Apps
- Creating Logic Apps
- Creating Function Apps

Manage App Service Plans
- App Services Overview
- App Service Plan
- Deploy Web App
- App Service Monitoring Overview
- App Service Diagnostics

Manage App Services
- App Settings & Implementation
- Deployment Slots & Implementation

Load Balancing
- Load Balancers
- Load Balancer Implementation
- Application Gateway

Monitor and Manage Networking
- Network Watcher

Integrate on Premises Network with Azure
- Hybrid Connectivity
- Hybrid Scenarios

Role Based Access Control
- RBAC Overview
- RBAC Demonstration
- Azure Policy
- Resource Locks

MFA
- SSO and MFA

Privileged Identity Management
- Azure Privileged Identity Management
- Configuring Azure PIM
- PIM Role Activation