AZ-100 Microsoft Azure Infrastructure and Deployment Training

COURSE CONTENT

GET IN TOUCH

Multisoft Systems
B - 125, Sector - 2, Noida

(+91) 9810-306-956

info@multisoftsystems.com

www.multisoftsystems.com

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The AZ-100 Microsoft Azure Infrastructure and Deployment training offered by Multisoft Systems is designed to equip professionals with the essential skills and knowledge needed to manage Azure infrastructure solutions effectively.

Module 1: Manage Azure subscriptions and resources

1.1 Manage Azure subscriptions

- ✓ assign administrator permissions
- ✓ configure cost center quotas and tagging
- ✓ configure Azure subscription policies at Azure subscription level

1.2 Analyze resource utilization and consumption

- ✓ configure diagnostic settings on resources
- ✓ create baseline for resources
- ✓ create and rest alerts
- ✓ analyze alerts across subscription
- ✓ analyze metrics across subscription
- ✓ create action groups
- ✓ monitor for unused resources
- ✓ monitor spend
- ✓ report on spend
- ✓ utilize Log Search query functions
- ✓ view alerts in Log Analytics

1.3 Manage resource groups

- ✓ use Azure policies for resource group
- ✓ configure resource locks
- ✓ configure resource policies
- ✓ implement and set tagging on resource groups
- ✓ move resources across resource groups
- ✓ remove resource groups

Module 2: Implement and manage storage

2.1 Create and configure storage accounts

- ✓ configure network access to the storage account
- ✓ create and configure storage account
- ✓ generate shared access signature
- ✓ install and use Azure Storage Explorer
- ✓ manage access keys
- ✓ monitor activity log by using Log Analytics
- ✓ implement Azure storage replication

2.2 Import and export data to Azure

- ✓ create export from Azure job
- ✓ create import into Azure job
- ✓ use Azure Data Box
- ✓ configure and use Azure blob storage
- ✓ configure Azure content delivery network (CDN) endpoints

2.3 Configure Azure files

- ✓ create Azure file share
- ✓ create Azure File Sync service
- ✓ create Azure sync group
- ✓ troubleshoot Azure File Sync

2.4 Implement Azure backup

- ✓ configure and review backup reports
- ✓ perform backup operation
- ✓ create Recovery Services Vault
- ✓ create and configure backup policy
- ✓ perform a restore operation

Module 3: Deploy and manage virtual machines (VMs)

3.1 Create and configure a VM for Windows and Linux

- ✓ configure high availability
- ✓ configure monitoring, networking, storage, and virtual machine size
- ✓ deploy and configure scale sets

3.2 Automate deployment of VMs

- ✓ modify Azure Resource Manager (ARM) template
- ✓ configure location of new VMs
- ✓ configure VHD template
- ✓ deploy from template
- ✓ save a deployment as an ARM template
- ✓ deploy Windows and Linux VMs

3.3 Manage Azure VM

- ✓ add data discs
- ✓ add network interfaces
- ✓ automate configuration management by using PowerShell Desired State

3.4 Configuration (DSC) and VM Agent by using custom script extensions

- ✓ manage VM sizes
- ✓ move VMs from one resource group to another
- ✓ redeploy VMs

3.5 Manage VM backups

- ✓ configure VM backup
- ✓ define backup policies
- ✓ implement backup policies
- ✓ perform VM restore

Module 4: Configure and manage virtual networks

4.1 Create connectivity between virtual networks

- ✓ create and configure VNET peering
- ✓ create and configure VNET to VNET
- ✓ verify virtual network connectivity
- ✓ create virtual network gateway

4.2 Implement and manage virtual networking

- ✓ configure private and public IP addresses, network routes, network interface, subnets, and virtual network

4.3 Configure name resolution

- ✓ configure Azure DNS
- ✓ configure custom DNS settings
- ✓ configure private and public DNS zones

4.4 Create and configure a Network Security Group (NSG)

- ✓ create security rules
- ✓ associate NSG to a subnet or network interface
- ✓ identify required ports
- ✓ evaluate effective security rules

Module 5: Manage identities

5.1 Manage Azure Active Directory (AD)

- ✓ add custom domains
- ✓ configure Azure AD Identity Protection, Azure AD Join, and Enterprise State Roaming
- ✓ configure self-service password reset

- ✓ implement conditional access policies
- ✓ manage multiple directories
- ✓ perform an access review

5.2 Manage Azure AD objects (users, groups, and devices)

- ✓ create users and groups
- ✓ manage user and group properties
- ✓ manage device settings
- ✓ perform bulk user updates

5.3 Implement and manage hybrid identities

- ✓ install and configure Azure AD Connect
- ✓ configure federation and single sign-on
- ✓ manage Azure AD Connect
- ✓ manage password sync and writeback