Exam AZ-100: Microsoft Azure Infrastructure and Deployment – Skills Measured

Manage Azure subscriptions and resources (15-20%)

Manage Azure subscriptions

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

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

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

Implement and manage storage (20-25%)

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

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

Configure Azure files

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

Implement Azure backup

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

Deploy and manage virtual machines (VMs) (20-25%)

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

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

Manage Azure VM

- add data discs
- add network interfaces
- automate configuration management by using PowerShell Desired State Configuration (DSC) and VM Agent by using custom script extensions
- manage VM sizes
- move VMs from one resource group to another
- redeploy VMs

Manage VM backups

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

Configure and manage virtual networks (20-25%)

Create connectivity between virtual networks

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

Implement and manage virtual networking

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

Configure name resolution

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

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

Manage identities (15-20%)

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

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

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

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