AZ-104 – Azure administrator Associate

Manage Azure identities and governance (15–20%)

Manage Azure Active Directory (Azure AD) objects

• Create users and groups

• Manage licenses in Azure AD

• Create administrative units

• Manage user and group properties

• Manage device settings and device identity

• Perform bulk updates

• Manage guest accounts

• Configure self-service password reset

Manage access control

• Create custom role-based access control (RBAC) and Azure AD roles

• Provide access to Azure resources by assigning roles at different scopes

• Interpret access assignments

Manage Azure subscriptions and governance

• Configure and manage Azure Policy

• Configure resource locks

• Apply and manage tags on resources

• Manage resource groups

• Manage subscriptions

• Manage costs by using alerts, budgets, and recommendations

• Configure management groups

Implement and manage storage (15–20%)

Configure access to storage

• Configure network access to storage accounts

• Create and configure storage accounts

• Generate shared access signature tokens

• Configure stored access policies

• Manage access keys

• Configure Azure AD authentication for a storage account

• Configure storage encryption

Manage data in Azure storage accounts

• Create import and export jobs

• Manage data by using Azure Storage Explorer and AzCopy

• Implement Azure Storage redundancy

• Configure object replication

Configure Azure Files and Azure Blob Storage

• Create an Azure file share

• Configure Azure Blob Storage

• Configure storage tiers

• Configure blob lifecycle management

Deploy and manage Azure compute resources (20–25%)

Automate deployment of resources by using templates

• Modify an ARM template

• Deploy a template

• Save a deployment as an ARM template

• Deploy virtual machine (VM) extensions

Create and configure VMs

• Create a VM

• Manage images by using the Azure Compute Gallery

• Configure Azure Disk Encryption

• Move VMs from one resource group to another

• Manage VM sizes

• Add data disks

• Configure VM network settings

• Configure VM availability options

• Deploy and configure VM scale sets

Create and configure containers

• Configure sizing and scaling for Azure Container Instances

• Configure container groups for Azure Container Instances

• Configure storage for Azure Kubernetes Service (AKS)

• Configure scaling for AKS

• Configure network connections for AKS

• Upgrade an AKS cluster

Create and configure an Azure App Service

• Create an App Service plan

• Configure scaling settings in an App Service plan

• Create an App Service

• Secure an App Service

• Configure custom domain names

• Configure backup for an App Service

• Configure networking settings

• Configure deployment settings

Configure and manage virtual networking (20–25%)

Configure virtual networks

• Create and configure virtual networks and subnets

• Create and configure virtual network peering

• Configure private and public IP addresses

• Configure user-defined network routes

• Configure Azure DNS

Configure secure access to virtual networks

• Create and configure network security groups (NSGs) and application security groups (ASGs)

• Evaluate effective security rules

• Implement Azure Bastion

• Configure service endpoints on subnets

• Configure private endpoints

Configure load balancing

• Configure Azure Application Gateway

• Configure an internal or public load balancer

• Troubleshoot load balancing

Monitor virtual networking

• Monitor on-premises connectivity

• Configure and use Azure Monitor for networks

• Use Azure Network Watcher

• Troubleshoot external networking

• Troubleshoot virtual network connectivity

Monitor and maintain Azure resources (10–15%)

Monitor resources by using Azure Monitor

• Configure and interpret metrics

• Configure Azure Monitor Logs

• Query and analyse logs

• Set up alerts and actions

• Configure monitoring of VMs, storage accounts, and networks by using VM insights

Implement backup and recovery

• Create an Azure Recovery Services vault

• Create an Azure Backup vault

• Create and configure backup policy

• Perform backup and restore operations by using Azure Backup

• Configure Azure Site Recovery for Azure resources

• Perform failover to a secondary region by using Azure Site Recovery

• Configure and review backup reports

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