**Manage Azure identities and governance (15–20%)**

**Manage Azure Active Directory (Azure AD) objects**

• create and manage users and groups • manage user and group properties

• create administrative units • manage device settings

• perform bulk user updates • manage guest accounts

• configure Azure AD join • configure self-service password reset

**Manage role-based access control (RBAC)**

• create a custom role • provide access to resources by assign roles at different scope

• interpret access assignments Manage subscriptions and governance

• configure Azure policies • configure resource locks

• apply and manage tags on resources • manage resource groups

• manage subscriptions • manage costs

• configure management groups

**Implement and manage storage (15–20%)**

**Secure storage**

• configure network access to storage accounts • create and configure storage accounts

• generate shared access signature (SAS) tokens • manage access keys

• configure Azure AD authentication for a storage account • configure access to Azure Files

**Manage storage**

• export from Azure job • import into Azure job

• install and use Azure Storage Explorer • copy data by using AZCopy

• implement Azure Storage replication • configure blob object replication

**Configure azure files and azure Blob Storage**

• create an Azure file share • create and configure Azure File Sync service

• configure Azure Blob Storage • configure storage tiers

• configure blob lifecycle management

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

**Automate deployment of virtual machines (VMs) by using Azure Resource Manager templates**

• modify an Azure Resource Manager template • configure a virtual hard disk (VHD) template

• deploy from a template • save a deployment as an Azure Resource Manager template

• deploy virtual machine extensions

**Configure VMs**

• configure Azure Disk Encryption • move VMs from one resource group to another

• manage VM sizes • add data disks

• configure networking • redeploy VMs

• configure high availability • deploy and configure 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 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 (25–30%)**

**Implement and manage virtual networking**

• create and configure virtual networks, including peering

• configure private and public IP addresses • configure user-defined network routes

• implement subnets • configure endpoints on subnets

• configure private endpoints

• configure Azure DNS, including custom DNS settings and private or public DNS zones

**Secure access to virtual networks**

• create security rules

• associate a network security group (NSG) to a subnet or network interface

• evaluate effective security rules • implement Azure Firewall

• implement Azure Bastion

**Configure load balancing**

• configure Azure Application Gateway • configure an internal or public load balancer

• troubleshoot load balancing

**Monitor and troubleshoot virtual networking**

• monitor on-premises connectivity • configure and use Azure Monitor for Networks

• use Azure Network Watcher • troubleshoot external networking

• troubleshoot virtual network connectivity

**Integrate an on-premises network with an Azure virtual network**

• create and configure Azure VPN Gateway • create and configure Azure ExpressRoute

• configure Azure Virtual WAN

**Monitor and back up Azure resources (10–15%)**

**Monitor resources by using Azure Monitor**

• configure and interpret metrics • configure Azure Monitor logs

• query and analyze logs • set up alerts and actions

• configure Application Insights

Implement backup and recovery

• create a Recovery Services vault • create and configure backup policy

• perform backup and restore operations by using Azure Backup

• perform site-to-site recovery by using Azure Site Recovery

• configure and review backup reports