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

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

* create users and groups
* create administrative units
* manage user and group properties
* 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 Azure resources by assigning roles at different scopes
* 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 ARM 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 virtual machine 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 a Backup 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 report