

# Microsoft Certified: Azure Administrator Associate – Skills Measured

NOTE: The bullets that appear below each of the skills measured are intended to illustrate how we are assessing that skill. This list is not definitive or exhaustive.

NOTE: In most cases, exams do NOT cover preview features, and some features will only be added to an exam when they are GA (General Availability).

## Manage Azure identities and governance

### Manage Azure AD objects

- create users and groups
- manage user and group properties
- manage device settings
- perform bulk user updates
- manage guest accounts
- configure Azure AD Join
- configure self-service password reset
- NOT: Azure AD Connect; PIM

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

- create a custom role
- provide access to Azure resources by assigning roles
  - subscriptions
  - resource groups
  - resources (VM, disk, etc.)
- interpret access assignments
- manage multiple directories

### Manage subscriptions and governance

- configure Azure policies
- configure resource locks
- apply tags
- create and manage resource groups
  - move resources
  - remove RGs
- manage subscriptions

- configure Cost Management
- configure management groups

## **Implement and manage storage**

### **Manage storage accounts**

- configure network access to storage accounts
- create and configure storage accounts
- generate shared access signature
- manage access keys
- implement Azure storage replication
- configure Azure AD Authentication for a storage account

### **Manage data in Azure Storage**

- export from Azure job
- import into Azure job
- install and use Azure Storage Explorer
- copy data by using AZCopy

### **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 for Azure blobs

## **Deploy and manage Azure compute resources**

### **Configure VMs for high availability and scalability**

- configure high availability
- deploy and configure scale sets

### **Automate deployment and configuration of VMs**

- modify Azure Resource Manager (ARM) template
- configure VHD template
- deploy from template
- save a deployment as an ARM template
- automate configuration management by using custom script extensions

### **Create and configure VMs**

- configure Azure Disk Encryption
- move VMs from one resource group to another
- manage VM sizes
- add data discs
- configure networking
- redeploy VMs

### **Create and configure containers**

- create and configure Azure Kubernetes Service (AKS)
- create and configure Azure Container Instances (ACI)
- NOT: selecting a container solution architecture or product; container registry settings

### **Create and configure Web Apps**

- create and configure App Service
- create and configure App Service Plans
- NOT: Azure Functions; Logic Apps; Event Grid

## **Configure and manage virtual networking**

### **Implement and manage virtual networking**

- create and configure VNET peering
- 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 a private or public DNS zone

### **Secure access to virtual networks**

- create security rules
- associate an NSG to a subnet or network interface
- evaluate effective security rules
- deploy and configure Azure Firewall
- deploy and configure Azure Bastion Service
- NOT: Implement Application Security Groups; DDoS

### **Configure load balancing**

- configure Application Gateway
- configure an internal load balancer
- configure load balancing rules
- configure a public load balancer
- troubleshoot load balancing
- NOT: Traffic Manager and FrontDoor and PrivateLink

### **Monitor and troubleshoot virtual networking**

- monitor on-premises connectivity
- use Network Performance Monitor
- use 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 VPNs
- configure ExpressRoute
- configure Azure Virtual WAN

## **Monitor and back up Azure resources**

### **Monitor resources by using Azure Monitor**

- configure and interpret metrics
  - analyze metrics across subscriptions
- configure Log Analytics
  - implement a Log Analytics workspace
  - configure diagnostic settings
- query and analyze logs
  - create a query
  - save a query to the dashboard
  - interpret graphs
- set up alerts and actions
  - create and test alerts
  - create action groups
  - view alerts in Azure Monitor
  - analyze alerts across subscriptions
- configure Application Insights
- NOT: Network monitoring

## **Implement backup and recovery**

- configure and review backup reports
- perform backup and restore operations by using Azure Backup Service
- create a Recovery Services Vault
  - use soft delete to recover Azure VMs
- create and configure backup policy
- perform site-to-site recovery by using Azure Site Recovery
- NOT: SQL or HANA