

Skills Measured

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1. Manage Azure identities and governance (20–25%)

- Manage Microsoft Entra users and groups
 - Create users and groups
 - Manage user and group properties
 - Manage licenses in Microsoft Entra ID
 - Manage external users
 - Configure self-service password reset (SSPR)
- Manage access to Azure resources
 - Manage built-in Azure roles
 - Assign roles at different scopes
 - Interpret access assignments
- Manage Azure subscriptions and governance
 - Implement and manage Azure Policy
 - Configure resource locks
 - Apply and manage tags on resources
 - Manage resource groups
 - Manage subscriptions
 - Manage costs using alerts, budgets, and Azure Advisor recommendations
 - Configure management groups

2. Implement and manage storage (15–20%)

- Configure access to storage
 - Configure Azure Storage firewalls and virtual networks
 - Create and use shared access signature (SAS) tokens
 - Configure stored access policies
 - Manage access keys
 - Configure identity-based access for Azure Files
- Configure and manage storage accounts
 - Create and configure storage accounts
 - Configure Azure Storage redundancy
 - Configure object replication
 - Configure storage account encryption
 - Manage data using Azure Storage Explorer and AzCopy
- Configure Azure Files and Azure Blob Storage
 - Create and configure a file share in Azure Storage
 - Create and configure a container in Blob Storage
 - Configure storage tiers
 - Configure soft delete for blobs and containers
 - Configure snapshots and soft delete for Azure Files
 - Configure blob lifecycle management
 - Configure blob versioning

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

- Automate deployment of resources using ARM templates or Bicep files
 - Interpret an Azure Resource Manager template or a Bicep file
 - Modify an existing ARM template
 - Modify an existing Bicep file

- Deploy resources using an ARM template or a Bicep file
- Export a deployment as an ARM template or convert it to a Bicep file
- Create and configure virtual machines
 - Create a virtual machine
 - Configure Azure Disk Encryption
 - Move a virtual machine to another resource group, subscription, or region
 - Manage virtual machine sizes
 - Manage virtual machine disks
 - Deploy virtual machines to availability zones and availability sets
 - Deploy and configure Azure Virtual Machine Scale Sets
- Provision and manage containers in the Azure portal
 - Create and manage an Azure Container Registry
 - Provision a container using Azure Container Instances
 - Provision a container using Azure Container Apps
 - Manage sizing and scaling for containers (Azure Container Instances and Container Apps)
- Create and configure Azure App Service
 - Provision an App Service plan
 - Configure scaling for an App Service plan
 - Create an App Service
 - Configure certificates and TLS for an App Service
 - Map a custom DNS name to an App Service
 - Configure backup for an App Service
 - Configure networking settings for an App Service
 - Configure deployment slots for an App Service

4. Implement and manage virtual networking (15–20%)

- Configure and manage virtual networks in Azure
 - Create and configure virtual networks and subnets
 - Create and configure virtual network peering
 - Configure public IP addresses
 - Configure user-defined network routes
 - Troubleshoot network connectivity
- Configure secure access to virtual networks
 - Create and configure network security groups (NSGs) and application security groups
 - Evaluate effective security rules in NSGs
 - Implement Azure Bastion
 - Configure service endpoints for Azure PaaS
 - Configure private endpoints for Azure PaaS
- Configure name resolution and load balancing
 - Configure Azure DNS
 - Configure internal or public load balancers
 - Troubleshoot load balancing

5. Monitor and maintain Azure resources (10–15%)

- Monitor resources in Azure
 - Interpret metrics in Azure Monitor
 - Configure log settings in Azure Monitor
 - Query and analyze logs in Azure Monitor
 - Set up alert rules, action groups, and alert processing rules in Azure Monitor
 - Configure and interpret monitoring for VMs, storage accounts, and networks using Azure Monitor Insights

- Use Azure Network Watcher and Connection Monitor
- Implement backup and recovery
 - Create a Recovery Services vault
 - Create an Azure Backup vault
 - Create and configure a backup policy
 - Perform backup and restore operations using Azure Backup
 - Configure Azure Site Recovery for Azure resources
 - Perform failover to a secondary region using Site Recovery
 - Configure and interpret reports and alerts for backups