

# Entra ID

## Quiz: Understanding Active Directory Domain Services and Microsoft Entra ID

### Multiple Choice Questions

1. **What is Active Directory Domain Services (AD DS) primarily used for?**

- A. Managing cloud-based applications
- B. Storing directory data such as user accounts and passwords
- C. Providing multi-factor authentication
- D. Monitoring network traffic

**Answer:** B. Storing directory data such as user accounts and passwords

2. **Which of the following is a core feature of Microsoft Entra ID that is not natively available in AD DS?**

- A. User account management
- B. Multi-factor authentication
- C. Password management
- D. Network security

**Answer:** B. Multi-factor authentication

3. **What does the Microsoft Entra Free tier include?**

- A. Advanced identity protection features
- B. Full-featured user management capabilities
- C. Basic identity management services
- D. Extensive application management tools

**Answer:** C. Basic identity management services

4. **In Microsoft Entra ID, what does the term "tenant" typically represent?**

- A. A physical server in the cloud
- B. A subscription to a Microsoft cloud-based service
- C. A set of user policies and permissions
- D. A network configuration file

**Answer:** B. A subscription to a Microsoft cloud-based service

5. **How does Microsoft Entra ID differ from AD DS in terms of managing computers and user settings?**

- A. It uses traditional Group Policy Objects (GPOs)
- B. It does not support computer domain membership

- C. It organizes objects into hierarchical containers
- D. It provides detailed network management tools

**Answer:** B. It does not support computer domain membership

### True or False Questions

6. **Microsoft Entra ID is part of the platform as a service (PaaS) offering by Microsoft.**

**Answer:** True

7. **AD DS is primarily focused on providing identity management services to web-based apps.**

**Answer:** False (AD DS is more focused on on-premises apps)

8. **Each Microsoft Entra tenant can be associated with multiple Azure subscriptions.**

**Answer:** True

9. **The schema of Microsoft Entra ID includes a definition for the computer class.**

**Answer:** False

10. **You can use Microsoft Entra ID to configure single sign-on (SSO) to cloud-based SaaS applications.**

**Answer:** True

### Short Answer Questions

11. **What is the primary strength of Microsoft Entra ID?**

**Answer:** The primary strength of Microsoft Entra ID lies in providing directory services, storing and publishing user, device, and application data, and handling the authentication and authorization of users, devices, and applications.

12. **What kind of applications does Microsoft Entra ID primarily focus on?**

**Answer:** Microsoft Entra ID primarily focuses on providing identity management services to web-based applications.

13. **What does the term "tenant" represent from a technical standpoint in Microsoft Entra ID?**

**Answer:** From a technical standpoint, the term "tenant" represents an individual Microsoft Entra instance.

14. **Why is it unnecessary for Microsoft Entra ID to include Organizational Units (OUs)?**

**Answer:** It is unnecessary for Microsoft Entra ID to include Organizational Units (OUs) because OUs are primarily used for Group Policy scoping and delegation in AD DS, and similar arrangements can be achieved in Microsoft Entra ID by organizing objects based on their group membership.

15. **What is the significance of the Application and servicePrincipal classes in Microsoft Entra ID?**

**Answer:** Objects of the Application and servicePrincipal classes represent applications in Microsoft Entra ID. An object in the Application class contains an application definition, and an object in the servicePrincipal class constitutes its instance in the current Microsoft Entra tenant. This separation allows the definition of an application in one

tenant and its use across multiple tenants by creating a service principal object for the application in each tenant.

## **Quiz: Comparing AD DS and Microsoft Entra ID**

### **Multiple Choice Questions**

1. **Which protocol does AD DS primarily use for authentication?**

- A. OAuth
- B. SAML
- C. Kerberos
- D. OpenID Connect

**Answer:** C. Kerberos

2. **Which of the following services is NOT part of the Windows Active Directory suite of technologies?**

- A. Active Directory Certificate Services (AD CS)
- B. Active Directory Lightweight Directory Services (AD LDS)
- C. Active Directory Federation Services (AD FS)
- D. Microsoft Entra ID

**Answer:** D. Microsoft Entra ID

3. **What communication protocols does Microsoft Entra ID primarily use?**

- A. LDAP and Kerberos
- B. HTTP and HTTPS
- C. DNS and RPC
- D. SMB and FTP

**Answer:** B. HTTP and HTTPS

4. **How are users and groups structured in Microsoft Entra ID?**

- A. Hierarchical structure with OUs
- B. Flat structure with no OUs
- C. Tree structure with nested domains
- D. Circular structure with nested groups

**Answer:** B. Flat structure with no OUs

5. **Which API does Microsoft Entra ID use for querying?**

- A. LDAP
- B. REST API over HTTP and HTTPS
- C. RPC
- D. SOAP API over HTTPS

**Answer:** B. REST API over HTTP and HTTPS

**6. What is a key characteristic of AD DS regarding its structure?**

- A. Flat structure with no hierarchical components
- B. Hierarchical X.500-based structure
- C. Circular structure with peer-to-peer nodes
- D. Tree structure with no domain controllers

**Answer:** B. Hierarchical X.500-based structure

**7. What does Microsoft Entra ID use instead of Kerberos for authentication?**

- A. LDAP and NTLM
- B. SAML, WS-Federation, and OpenID Connect
- C. DNS and DHCP
- D. SMB and FTP

**Answer:** B. SAML, WS-Federation, and OpenID Connect

**8. Which of the following is NOT a characteristic of Microsoft Entra ID?**

- A. Multi-tenant directory service
- B. Uses OUs and GPOs for management
- C. Primarily an identity solution for internet-based applications
- D. Includes federation services

**Answer:** B. Uses OUs and GPOs for management

**9. What must be configured when deploying AD DS on an Azure virtual machine?**

- A. Using drive C for AD DS storage
- B. Adding extra Azure data disks for AD DS storage
- C. Setting up a flat structure for users and groups
- D. Using HTTP and HTTPS for communication

**Answer:** B. Adding extra Azure data disks for AD DS storage

**10. Which statement is TRUE about federation in Microsoft Entra ID?**

- A. It only supports Microsoft services.
- B. It does not include any federation services.
- C. It includes federation services and supports third-party services like Facebook.
- D. It uses RPC and SMB protocols for federation.

**Answer:** C. It includes federation services and supports third-party services like Facebook.

## Quiz: Microsoft Entra ID P1 and P2 Features

### Multiple Choice Questions

1. Which edition of Microsoft Entra ID provides advanced security reports and alerts?

- ☐ A. Free Edition
- ☐ B. Office 365 Edition
- ☐ C. P1 Edition
- ☐ D. Basic Edition

**Answer:** C. P1 Edition

2. What feature of Microsoft Entra ID P1 allows users to manage their own groups?

- ☐ A. Microsoft Entra Privileged Identity Management
- ☐ B. Self-service group management
- ☐ C. Microsoft Entra Connect Health
- ☐ D. Cloud App Discovery

**Answer:** B. Self-service group management

3. Which feature is exclusive to the Microsoft Entra ID P2 edition?

- ☐ A. Multi-factor authentication
- ☐ B. Password reset with writeback
- ☐ C. Microsoft Entra ID Protection
- ☐ D. Conditional Access

**Answer:** C. Microsoft Entra ID Protection

4. Which Microsoft Entra ID feature allows self-service password resets that follow on-premises password policies?

- ☐ A. Multi-factor authentication
- ☐ B. Password reset with writeback
- ☐ C. Microsoft Entra Privileged Identity Management
- ☐ D. Microsoft Entra Connect Health

**Answer:** B. Password reset with writeback

5. What is guaranteed by the Enterprise SLA for Microsoft Entra ID P1 or P2?

- ☐ A. 99.5% availability
- ☐ B. 99.7% availability
- ☐ C. 99.9% availability
- ☐ D. 100% availability

**Answer:** C. 99.9% availability

6. **Which feature of Microsoft Entra ID P1 helps discover the most frequently used cloud-based applications?**

- A. Cloud App Discovery
- B. Microsoft Entra Connect Health
- C. Advanced security reports
- D. Self-service group management

**Answer:** A. Cloud App Discovery

7. **Microsoft Entra Privileged Identity Management, a feature of the P2 edition, is used to:**

- A. Discover cloud applications
- B. Manage self-service groups
- C. Provide enhanced security for privileged users
- D. Enable multi-factor authentication

**Answer:** C. Provide enhanced security for privileged users

8. **Which of the following is NOT a communication protocol used by Microsoft Entra ID for authentication?**

- A. Kerberos
- B. SAML
- C. WS-Federation
- D. OpenID Connect

**Answer:** A. Kerberos

9. **What additional service is included with Microsoft Entra ID P1 for hybrid identity solutions?**

- A. Microsoft Entra Connect Health
- B. Microsoft Identity Manager (MIM) licensing
- C. Cloud App Discovery
- D. Conditional Access

**Answer:** B. Microsoft Identity Manager (MIM) licensing

10. **Which feature of Microsoft Entra ID P1 or P2 allows you to gain operational insight and monitor performance counters?**

- A. Advanced security reports
- B. Microsoft Entra Connect Health
- C. Microsoft Entra ID Protection
- D. Microsoft Entra Privileged Identity Management

**Answer:** B. Microsoft Entra Connect Health

## Quiz: Microsoft Entra Domain Services

### Multiple Choice Questions

1. **What is a key benefit of using Microsoft Entra Domain Services instead of deploying replica domain controllers in Azure?**
- A. Requires more administrative effort
  - B. Provides Group Policy management and domain joining without additional domain controllers
  - C. Authentication traffic must cross a VPN
  - D. Requires deployment of additional domain controllers in the cloud

**Answer:** B. Provides Group Policy management and domain joining without additional domain controllers

2. **Which tier of Microsoft Entra ID includes Microsoft Entra Domain Services?**
- A. Free Tier
  - B. Office 365 Edition
  - C. P1 or P2 Tier
  - D. Basic Edition

**Answer:** C. P1 or P2 Tier

3. **What protocol compatibility does Microsoft Entra Domain Services provide for applications?**
- A. LDAP, NTLM, and Kerberos
  - B. SAML, WS-Federation, and OpenID Connect
  - C. OAuth and SOAP
  - D. DNS and HTTP

**Answer:** A. LDAP, NTLM, and Kerberos

4. **Which of the following is NOT a limitation of Microsoft Entra Domain Services?**
- A. Only the base computer Active Directory object is supported
  - B. The schema can be extended
  - C. The organizational unit (OU) structure is flat
  - D. Built-in Group Policy Objects (GPOs) exist for computer and user accounts

**Answer:** B. The schema can be extended

5. **How can you enable Microsoft Entra Domain Services?**
- A. By using the Azure portal
  - B. By deploying additional domain controllers
  - C. By configuring a site-to-site VPN
  - D. By using Windows PowerShell scripts

**Answer:** A. By using the Azure portal

**6. What is a primary administrative benefit of using Microsoft Entra Domain Services?**

- A. Need to manage, update, and monitor domain controllers
- B. Need to deploy and manage Active Directory replication
- C. No need to manage domain controllers
- D. Requirement of Domain Admins or Enterprise Admins groups

**Answer:** C. No need to manage domain controllers

**7. What type of GPOs does Microsoft Entra Domain Services provide?**

- A. Customizable GPOs for specific OUs
- B. Built-in GPOs for computer and user accounts
- C. GPOs that support WMI filters
- D. Security-group targeted GPOs

**Answer:** B. Built-in GPOs for computer and user accounts

**8. Which approach allows authentication traffic to stay in the cloud rather than crossing a VPN?**

- A. Site-to-site VPN between local infrastructure and Azure IaaS
- B. Deploying replica domain controllers in Azure
- C. Using Microsoft Entra Domain Services
- D. Deploying domain controllers on-premises

**Answer:** B. Deploying replica domain controllers in Azure

**9. What type of applications can be migrated using Microsoft Entra Domain Services without needing domain controllers in the cloud?**

- A. Applications using SAML or OpenID Connect
- B. Applications using LDAP, NTLM, or Kerberos
- C. Applications using HTTP or HTTPS
- D. Applications using OAuth or SOAP

**Answer:** B. Applications using LDAP, NTLM, or Kerberos

**10. How is Microsoft Entra Domain Services billed?**

- A. Per user per month
- B. Per hour based on the size of your directory
- C. Per transaction
- D. Annual subscription fee

**Answer:** B. Per hour based on the size of your directory



**1. What is a benefit of using Microsoft Entra ID versus Active Directory (AD)?**

Microsoft Entra ID is a cloud-based identity solution

Correct. Microsoft Entra authenticates using one identity across Microsoft services (such as Microsoft 365, Dynamics 365, and Azure). AD functions as a directory service. AD uses stored passwords, certificates, for authentication and access.

**2. In addition to the free features of Microsoft Entra ID, what is the minimum Premium version licensing needed to implement risk-based sign-ins?**

Microsoft Entra ID P2

Correct. Microsoft Entra ID P2 edition provides additional identity protection features, such as risk-based conditional access.

## **LAB 1 Manage Microsoft Entra ID Identities**

### **Quiz: Managing Microsoft Entra ID Identities**

#### **Task 1: Create and Configure User Accounts**

In this task, you will create and configure user accounts. User accounts will store user data such as name, department, location, and contact information.

**1. What is the primary tool used to manage Microsoft Entra ID identities?**

- ☐ A. Windows Admin Center
- ☐ B. Azure portal
- ☐ C. Microsoft 365 Admin Center
- ☐ D. System Center Configuration Manager

**Answer:** B. Azure portal

**2. What should you do if you are new to the Azure portal?**

- ☐ A. Immediately start creating user accounts
- ☐ B. Watch the Getting started in the Azure portal video
- ☐ C. Contact Azure support
- ☐ D. Skip the Quickstart Center

**Answer:** B. Watch the Getting started in the Azure portal video

**3. What does a tenant in Microsoft Entra ID represent?**

- ☐ A. A subscription to Azure services
- ☐ B. A specific instance of Microsoft Entra ID containing accounts and groups
- ☐ C. A physical server running Azure

- D. A security policy configuration

**Answer:** B. A specific instance of Microsoft Entra ID containing accounts and groups

**4. Where can you manage and assign licenses in Microsoft Entra ID?**

- A. Users
- B. Groups
- C. Licenses
- D. Properties

**Answer:** C. Licenses

**5. What is the User principal name of the new user created in the lab?**

- A. user1
- B. admin1
- C. az104-user1
- D. itlab-user1

**Answer:** C. az104-user1

**6. What job title is assigned to the new user created in the lab?**

- A. System Administrator
- B. IT Lab Manager
- C. IT Lab Administrator
- D. Lab Engineer

**Answer:** C. IT Lab Administrator

**7. What should you do after creating a new user to confirm the creation?**

- A. Sign out and sign in again
- B. Refresh the page
- C. Create another user
- D. Contact support

**Answer:** B. Refresh the page

**8. Which of the following information is included in the Properties tab when creating a user?**

- A. Email address
- B. Phone number
- C. Job title
- D. Password

**Answer:** C. Job title

9. **When inviting an external user, what should you check to send an invite message?**

- A. Send welcome email
- B. Send invite message
- C. Notify user
- D. Enable account

**Answer:** B. Send invite message

10. **What message is suggested to include in the invite message for the external user?**

- A. Welcome to Azure and our team
- B. Welcome to Azure and our group project
- C. You have been invited to Azure
- D. Join our Azure project

**Answer:** B. Welcome to Azure and our group project

11. **What job title is assigned to the invited external user?**

- A. IT Support
- B. IT Specialist
- C. IT Lab Administrator
- D. IT Technician

**Answer:** C. IT Lab Administrator

12. **What should you do after inviting an external user to confirm the invitation?**

- A. Sign out and sign in again
- B. Refresh the page
- C. Send another invite
- D. Check the user's email

**Answer:** B. Refresh the page

## **Task 2: Create Groups and Add Members**

In this task, you create a group account. Group accounts can include user accounts or devices. These are two basic ways members are assigned to groups: **Statically** and **Dynamically**. Static groups require administrators to add and remove members manually. Dynamic groups update automatically based on the properties of a user account or device. For example, job title.

13. **What are the two basic ways members are assigned to groups?**

- A. Dynamically and Manually
- B. Statically and Dynamically
- C. Automatically and Manually
- D. Directly and Indirectly

**Answer:** B. Statically and Dynamically

**14. Which membership type requires an Entra ID Premium P1 or P2 license?**

- A. Static
- B. Dynamic
- C. Manual
- D. Direct

**Answer:** B. Dynamic

**15. What should you configure to specify a group lifetime in days?**

- A. Group Type
- B. Expiration
- C. Naming Policy
- D. Membership Type

**Answer:** B. Expiration

**16. Which setting allows you to configure blocked words and add a prefix or suffix to group names?**

- A. Expiration
- B. Naming Policy
- C. Group Type
- D. Membership Type

**Answer:** B. Naming Policy

**17. What type of group is created in the lab?**

- A. Distribution
- B. Security
- C. Mail-enabled
- D. Dynamic

**Answer:** B. Security

**18. What is the group name of the new group created in the lab?**

- A. IT Lab Managers
- B. IT Lab Engineers
- C. IT Lab Administrators
- D. IT Administrators

**Answer:** C. IT Lab Administrators

**19. What description is given to the new group in the lab?**

- A. Administrators that manage the lab
- B. Administrators that manage the IT department

- C. Administrators that manage the IT lab
- D. IT Lab team

**Answer:** C. Administrators that manage the IT lab

**20. Who is selected as the owner of the new group?**

- A. az104-user1
- B. The external user
- C. Yourself
- D. IT Manager

**Answer:** C. Yourself

**21. Who are the members added to the new group?**

- A. az104-user1 and the external user
- B. az104-user1 and yourself
- C. The external user and yourself
- D. IT Lab Administrators

**Answer:** A. az104-user1 and the external user

**22. What should you do after creating the group to confirm its creation?**

- A. Sign out and sign in again
- B. Refresh the page
- C. Create another group
- D. Contact support

**Answer:** B. Refresh the page

**23. Where can you review the members and owners of the new group?**

- A. Overview blade
- B. Group settings
- C. Members and Owners tab
- D. Properties

**Answer:** C. Members and Owners tab

**24. What feature allows dynamic updating of group membership based on user properties?**

- A. Static Membership
- B. Conditional Access
- C. Dynamic Membership
- D. Group Policy

**Answer:** C. Dynamic Membership

**25. Which membership type is selected for the new group created in the lab?**

- ☐ A. Static
- ☐ B. Dynamic
- ☐ C. Assigned
- ☐ D. Automatic

**Answer:** C. Assigned

**26. What type of license is required for using dynamic membership?**

- ☐ A. Entra ID Free
- ☐ B. Entra ID Basic
- ☐ C. Entra ID Premium P1 or P2
- ☐ D. Entra ID Enterprise

**Answer:** C. Entra ID Premium P1 or P2

**27. What does the expiration setting in group configuration define?**

- ☐ A. Group creation date
- ☐ B. Group deletion date
- ☐ C. Group lifetime in days
- ☐ D. Group owner

**Answer:** C. Group lifetime in days

**28. What prefix is used for the user principal name of the new user created in the lab?**

- ☐ A. admin
- ☐ B. user
- ☐ C. az104
- ☐ D. lab

**Answer:** C. az104

**29. What is the email used to invite an external user?**

- ☐ A. Any email address
- ☐ B. Your email address
- ☐ C. Admin's email address
- ☐ D. Default email address

**Answer:** B. Your email address

**30. Which blade in the Azure portal allows you to manage group settings like expiration and naming policy?**

- ☐ A. Overview
- ☐ B. Properties
- ☐ C. Licenses
- ☐ D. All groups

- **Answer:** D. All groups

## Lab 2a Manage Subscriptions and RBAC

### Quiz: Manage Subscriptions and RBAC Lab

#### Task 1: Implement Management Groups

In this task, you will create and configure management groups. Management groups are used to logically organize subscriptions. Subscriptions should be segmented and allow for RBAC and Azure Policy to be assigned and inherited to other management groups and subscriptions. For example, if your organization has a dedicated support team for Europe, you can organize European subscriptions into a management group to provide the support staff access to those subscriptions (without providing individual access to all subscriptions). In our scenario everyone at the Help Desk will need to create a support request across all subscriptions.

1. **What is the primary purpose of management groups in Azure?**
  - A. To deploy virtual machines
  - B. To organize subscriptions
  - C. To manage DNS zones
  - D. To create resource groups

**Answer:** B. To organize subscriptions

2. **What is the function of the root management group?**
  - A. To apply global policies and Azure role assignments
  - B. To deploy Azure resources
  - C. To manage virtual networks
  - D. To create custom RBAC roles

**Answer:** A. To apply global policies and Azure role assignments

#### Task 2: Review and Assign a Built-in Azure Role

In this task, you will review the built-in roles and assign the VM Contributor role to a member of the Help Desk. Azure provides a large number of built-in roles.

3. **Which built-in role allows managing virtual machines but not access to their operating system or network configurations?**

- A. Owner
- B. Contributor
- C. Reader
- D. Virtual Machine Contributor

**Answer:** D. Virtual Machine Contributor

**4. What is the best practice for assigning Azure roles?**

- A. Assign roles to individuals
- B. Assign roles to service accounts
- C. Assign roles to groups
- D. Assign roles to resources

**Answer:** C. Assign roles to groups

**Task 3: Create a Custom RBAC Role**

In this task, you will create a custom RBAC role. Custom roles are a core part of implementing the principle of least privilege for an environment. Built-in roles might have too many permissions for your scenario. In this task we will create a new role and remove permissions that are not necessary. Do you have a plan for managing overlapping permissions?

**5. What is the purpose of creating a custom RBAC role?**

- A. To manage Azure subscriptions
- B. To assign built-in roles
- C. To remove unnecessary permissions
- D. To monitor activity logs

**Answer:** C. To remove unnecessary permissions

**6. Which tab in the Azure portal is used to create a custom RBAC role?**

- A. Overview
- B. Permissions
- C. Access control (IAM)
- D. Activity log

**Answer:** C. Access control (IAM)

**Task 4: Monitor Role Assignments with the Activity Log**



**In this task, you view the activity log to determine if anyone has created a new role.**

**7. What does the Azure Activity log provide insight into?**

- A. Virtual machine performance
- B. Subscription billing
- C. Role assignments and resource-level events
- D. Network traffic

**Answer:** C. Role assignments and resource-level events

**8. How can you filter the Azure Activity log for specific operations?**

- A. By date and time
- B. By subscription name
- C. By resource type
- D. By operation type

**Answer:** D. By operation type

## **General**

**9. What is the recommended approach for managing overlapping permissions in Azure?**

- A. Assign all permissions to users
- B. Remove all permissions
- C. Assign permissions based on job role
- D. Assign permissions based on resource type

**Answer:** C. Assign permissions based on job role

**10. What is the purpose of Azure Resource Manager deployment model?**

- A. To manage virtual machines
- B. To organize resources into resource groups
- C. To deploy classic resources
- D. To create DNS zones

**Answer:** B. To organize resources into resource groups

# LAB 2b Manage Governance via Azure Policy

## Quiz: Managing Governance via Azure Policy

### Task 1: Create and Assign Tags via the Azure Portal

In this task, you will create and assign a tag to an Azure resource group via the Azure portal. Tags are a critical component of a governance strategy as outlined by the Microsoft Well-Architected Framework and Cloud Adoption Framework. Tags can allow you to quickly identify resource owners, sunset dates, group contacts, and other name/value pairs that your organization deems important. For this task, you assign a tag identifying the resource role ('Infra' for 'Infrastructure').

1. **What is the primary tool used to manage Azure resources and governance?**
  - A. Windows Admin Center
  - B. Azure portal
  - C. Microsoft 365 Admin Center
  - D. System Center Configuration Manager

**Answer:** B. Azure portal

2. **What is the purpose of applying resource tags in Azure?**
  - A. To enhance security
  - B. To attach important metadata to Azure resources
  - C. To monitor network traffic
  - D. To allocate storage space

**Answer:** B. To attach important metadata to Azure resources

3. **What is the name of the resource group created in the lab?**
  - A. az104-rg1
  - B. az104-rg2
  - C. az104-rg3
  - D. az104-rg4

**Answer:** B. az104-rg2

4. **What location is used for the resource group in the lab?**
  - A. West US
  - B. Central US

- C. East US
- D. North Europe

**Answer:** C. East US

5. **What tag is created in the lab to be assigned to the resource group?**

- A. Department
- B. Owner
- C. Cost Center
- D. Project

**Answer:** C. Cost Center

6. **What is the value assigned to the 'Cost Center' tag in the lab?**

- A. 001
- B. 010
- C. 100
- D. 000

**Answer:** D. 000

## **Task 2: Enforce Tagging via an Azure Policy**

In this task, you will assign the built-in *Require a tag and its value on resources* policy to the resource group and evaluate the outcome. Azure Policy can be used to enforce configuration, and in this case, governance, to your Azure resources.

7. **Which Azure feature can enforce configuration and governance to Azure resources?**

- A. Azure Monitor
- B. Azure Policy
- C. Azure Security Center
- D. Azure Advisor

**Answer:** B. Azure Policy

8. **Which built-in policy is used to enforce tagging in the lab?**

- A. Require a location tag on resources
- B. Require a department tag on resources
- C. Require a tag and its value on resources
- D. Require a cost center tag on resources

**Answer:** C. Require a tag and its value on resources

9. **What scope is set for the policy assignment in the lab?**

- A. Subscription level

- B. Management group level
- C. Resource group level
- D. Individual resource level

**Answer:** C. Resource group level

**10. What is the assignment name given to the policy in the lab?**

- A. Enforce Cost Center tag
- B. Require Cost Center tag with Default value
- C. Apply Cost Center tag
- D. Default Cost Center tag

**Answer:** B. Require Cost Center tag with Default value

**11. What is the tag name used in the policy parameters?**

- A. Department
- B. Owner
- C. Project
- D. Cost Center

**Answer:** D. Cost Center

**12. What is the tag value set in the policy parameters?**

- A. 001
- B. 010
- C. 100
- D. 000

**Answer:** D. 000

**13. What message should you receive when trying to create a resource without the required tag?**

- A. Validation passed
- B. Validation failed
- C. Resource created successfully
- D. Resource not found

**Answer:** B. Validation failed

### **Task 3: Apply Tagging via an Azure Policy**

In this task, we will use the new policy definition to remediate any non-compliant resources. In this scenario, we will make any child resources of a resource group inherit the Cost Center tag that was defined on the resource group.

**14. What is the next step after deleting the initial policy assignment?**

- A. Assign a new policy
- B. Recreate the resource group
- C. Delete the resource group
- D. Create a new tag

**Answer:** A. Assign a new policy

**15. Which policy definition is used to make child resources inherit a tag from the resource group?**

- A. Require a tag and its value on resources
- B. Inherit a tag from the resource group if missing
- C. Apply a default tag on resources
- D. Set tag value on resources

**Answer:** B. Inherit a tag from the resource group if missing

**16. What is the assignment name given to the new policy in the lab?**

- A. Inherit the Cost Center tag with default value
- B. Apply the Cost Center tag from the parent resource
- C. Inherit the Cost Center tag and its value 000 from the resource group if missing
- D. Set default Cost Center tag

**Answer:** C. Inherit the Cost Center tag and its value 000 from the resource group if missing

**17. What must be enabled on the Remediation tab for the new policy?**

- A. Automatic remediation
- B. Manual remediation
- C. Create a remediation task
- D. Remediation alert

**Answer:** C. Create a remediation task

**18. What happens to new resources created in the resource group after applying the new policy?**

- A. They inherit the Cost Center tag
- B. They fail validation
- C. They are created without tags
- D. They are not affected by the policy

**Answer:** A. They inherit the Cost Center tag

**19. What should you do if the policy enforcement takes time to take effect?**

- A. Create a support ticket
- B. Refresh the Azure portal

- C. Wait for 5 to 10 minutes
- D. Reassign the policy

**Answer:** C. Wait for 5 to 10 minutes

**20. How can you verify the tag has been applied to a new resource?**

- A. By checking the resource properties
- B. By viewing the resource tags blade
- C. By running a PowerShell script
- D. By checking the resource's activity log

**Answer:** B. By viewing the resource tags blade

**21. Where can you find the list of resources with a specific tag in the Azure portal?**

- A. Resource groups
- B. Tags
- C. Activity log
- D. Policy assignments

**Answer:** B. Tags

#### **Task 4: Configure and Test Resource Locks**

**In this task, you configure and test a resource lock. Locks prevent either deletions or modifications of a resource.**

**22. What is the purpose of resource locks in Azure?**

- A. To prevent unauthorized access
- B. To prevent accidental deletion or modification of resources
- C. To monitor resource usage
- D. To allocate additional resources

**Answer:** B. To prevent accidental deletion or modification of resources

**23. Which type of lock prevents both deletions and modifications of a resource?**

- A. Delete lock
- B. Read-only lock
- C. Write-only lock
- D. Full lock

**Answer:** B. Read-only lock

**24. What is the name of the resource lock created in the lab?**

- A. lock1
- B. rg-lock
- C. delete-lock

- D. read-lock

**Answer:** B. rg-lock

**25. Which lock type is selected for the resource lock in the lab?**

- A. Read-only
- B. Modify
- C. Delete
- D. Full

**Answer:** C. Delete

**26. What should you do if you want to delete a resource group that has a lock?**

- A. Remove the lock first
- B. Override the lock
- C. Contact Azure support
- D. Change the lock type

**Answer:** A. Remove the lock first

**27. What is the warning message when trying to delete a locked resource group?**

- A. Lock prevents deletion
- B. Deleting this resource group is a permanent action and cannot be undone
- C. Resource group not found
- D. Resource group deletion failed

**Answer:** B. Deleting this resource group is a permanent action and cannot be undone

**28. How do you remove a resource lock in Azure?**

- A. Delete the lock from the resource group settings
- B. Run a PowerShell command
- C. Contact Azure support
- D. Modify the lock settings

**Answer:** A. Delete the lock from the resource group settings

## **Cleanup Your Resources**

**29. What should you do to ensure resources are freed up and cost is minimized after completing the lab?**

- A. Deactivate your Azure subscription
- B. Delete the lab resource group
- C. Change the resource tags
- D. Contact Azure support

**Answer:** B. Delete the lab resource group

**30. Which Azure CLI command can be used to delete a resource group?**

- A. az group remove --name resourceGroupName
- B. az group delete --name resourceGroupName
- C. az resource delete --name resourceGroupName
- D. az resource group delete --name resourceGroupName

**Answer:** B. az group delete --name resourceGroupName

**31. Which PowerShell command can be used to delete a resource group?**

- A. Remove-AzResource -Name resourceGroupName
- B. Remove-AzResourceGroup -Name resourceGroupName
- C. Delete-AzResourceGroup -Name resourceGroupName
- D. Remove-AzGroup -Name resourceGroupName

**Answer:** B. Remove-AzResourceGroup -Name resourceGroupName

## **General Knowledge**

**32. Which of the following is NOT a use of Azure tags?**

- A. Identifying resource owners
- B. Grouping contacts
- C. Monitoring network traffic
- D. Defining sunset dates

**Answer:** C. Monitoring network traffic

**33. Which of the following is a key benefit of using Azure Policy for governance?**

- A. Real-time resource monitoring
- B. Enforcing compliance and standards
- C. Automatic resource scaling
- D. Data encryption

**Answer:** B. Enforcing compliance and standards

**34. What is a Managed Identity in Azure used for?**

- A. To manage user access
- B. To enable secure access to Azure resources
- C. To track resource usage
- D. To assign tags

**Answer:** B. To enable secure access to Azure resources

**35. Which Azure service helps in monitoring and visualizing the compliance status of your resources?**

- A. Azure Monitor
- B. Azure Security Center



- C. Azure Policy
- D. Azure Advisor

**Answer:** C. Azure Policy

**36. How can you view the built-in policy definitions available in Azure?**

- A. Through Azure Monitor
- B. Through Azure Security Center
- C. Through the Policy section in the Azure portal
- D. Through the Resource groups section

**Answer:** C. Through the Policy section in the Azure portal

**37. What effect does the "Modify" policy effect have in Azure Policy?**

- A. Allows creation of new resources
- B. Modifies existing resources to comply with policy
- C. Deletes non-compliant resources
- D. Alerts on non-compliant resources

**Answer:** B. Modifies existing resources to comply with policy

**38. What must be configured to use the Modify effect in Azure Policy?**

- A. A service principal
- B. A managed identity
- C. A resource lock
- D. A security group

**Answer:** B. A managed identity

**39. How can you ensure a new storage account complies with the tagging policy?**

- A. By assigning the tag manually
- B. By applying a policy with inheritance
- C. By using a script
- D. By contacting Azure support

**Answer:** B. By applying a policy with inheritance

**40. Which Azure service provides a framework for best practices in governance?**

- A. Azure Policy
- B. Microsoft Well-Architected Framework
- C. Azure Security Center
- D. Azure Advisor

**Answer:** B. Microsoft Well-Architected Framework

**41. What should you do if an Azure policy assignment is not enforcing as expected?**

- A. Reassign the policy
- B. Refresh the Azure portal
- C. Wait for 5-10 minutes
- D. Contact Azure support

**Answer:** C. Wait for 5-10 minutes

**42. Which tag value is automatically assigned when a resource is created under the new inheritance policy?**

- A. 001
- B. 010
- C. 000
- D. 100

**Answer:** C. 000

**43. Which Azure CLI command is used to view the resources with a specific tag?**

- A. az tag list
- B. az resource list
- C. az tag show
- D. az resource tag

**Answer:** A. az tag list

**44. Which component of the Microsoft Well-Architected Framework focuses on resource tagging?**

- A. Cost Management
- B. Operational Excellence
- C. Security
- D. Reliability

**Answer:** A. Cost Management

**45. What is the primary benefit of enforcing resource tagging?**

- A. Improved resource performance
- B. Better resource management and reporting
- C. Enhanced security
- D. Reduced costs

**Answer:** B. Better resource management and reporting

**46. What must be done to an existing non-compliant resource to make it compliant?**

- A. Recreate the resource
- B. Delete the resource
- C. Apply remediation via policy
- D. Ignore the resource

**Answer:** C. Apply remediation via policy

**47. What is the default value used for the 'Cost Center' tag in the inheritance policy?**

- A. 001
- B. 000
- C. 010
- D. 100

**Answer:** B. 000

**48. What should you do before deleting a resource group with a lock?**

- A. Override the lock
- B. Delete the lock
- C. Contact Azure support
- D. Change the lock type

**Answer:** B. Delete the lock

**49. How can you check if a new policy is working correctly?**

- A. By creating a new resource and checking compliance
- B. By running an Azure Monitor report
- C. By contacting Azure support
- D. By checking the activity log

**Answer:** A. By creating a new resource and checking compliance

**50. What is the role of the Remediation tab in the policy assignment process?**

- A. To set policy parameters
- B. To review policy details
- C. To create a remediation task
- D. To define policy scope

**Answer:** C. To create a remediation task

This quiz covers various aspects of managing governance via Azure Policy, including creating and assigning tags, enforcing tagging policies, applying tags through inheritance, configuring resource locks, and cleaning up resources.

## Lab 3b Manage Azure resources by using Azure Resource Manager Templates

### Quiz: Manage Azure Resources by Using Azure Resource Manager Templates

#### Task 1: Create an Azure Resource Manager Template

In this task, we will create a managed disk in the Azure portal. Managed disks are storage designed to be used with virtual machines. Once the disk is deployed you will export a template that you can use in other deployments.

1. What is the primary purpose of using Azure Resource Manager templates?
  - ☐ A. To monitor resource usage
  - ☐ B. To automate resource deployments
  - ☐ C. To secure resources
  - ☐ D. To manage user access

**Answer:** B. To automate resource deployments

2. Which type of storage is created in Task 1?
  - ☐ A. Blob Storage
  - ☐ B. File Storage
  - ☐ C. Managed Disk
  - ☐ D. Table Storage

**Answer:** C. Managed Disk

3. What is the name of the resource group created in Task 1?
  - ☐ A. az104-rg1
  - ☐ B. az104-rg2
  - ☐ C. az104-rg3
  - ☐ D. az104-rg4

**Answer:** C. az104-rg3

4. **What performance type is selected for the managed disk in Task 1?**

- A. Premium SSD
- B. Standard SSD
- C. Standard HDD
- D. Premium HDD

**Answer:** C. Standard HDD

5. **What is the size of the managed disk created in Task 1?**

- A. 16 GiB
- B. 32 GiB
- C. 64 GiB
- D. 128 GiB

**Answer:** B. 32 GiB

6. **After creating the managed disk, where can you find the option to export the template?**

- A. Under the Overview blade
- B. Under the Automation blade
- C. Under the Settings blade
- D. Under the Tags blade

**Answer:** B. Under the Automation blade

7. **What type of files are included in the downloaded template?**

- A. YAML files
- B. XML files
- C. JSON files
- D. CSV files

**Answer:** C. JSON files

## **Task 2: Edit an Azure Resource Manager Template and Redeploy**

In this task, you use the downloaded template to deploy a new managed disk. This task outlines how to quickly and easily repeat deployments.

8. **What change is made to the disks\_az104\_disk1\_name parameter in the template?**

- A. Changed to disk\_name
- B. Changed to az104-disk2
- C. Changed to az104-disk3
- D. Changed to az104-rg3

**Answer:** A. Changed to disk\_name

9. What is the new disk name set in the edited template?

- A. az104-disk1
- B. az104-disk2
- C. az104-disk3
- D. az104-disk4

**Answer:** B. az104-disk2

10. What deployment setting is used to create the new disk in Task 2?

- A. Quickstart template
- B. Custom deployment
- C. Resource Manager template
- D. Bicep template

**Answer:** B. Custom deployment

11. Which resource group is used for the custom deployment in Task 2?

- A. az104-rg1
- B. az104-rg2
- C. az104-rg3
- D. az104-rg4

**Answer:** C. az104-rg3

12. What is verified on the Overview blade after creating the new disk?

- A. The deployment status
- B. The disk size
- C. The resource location
- D. The resource tags

**Answer:** A. The deployment status

### **Task 3: Configure the Cloud Shell and Deploy a Template with Azure PowerShell**

In this task, you work with the Azure Cloud Shell and Azure PowerShell. Azure Cloud Shell is an interactive, authenticated, browser-accessible terminal for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell. In this task, you use PowerShell to deploy a template.

13. Which shell is selected for deploying the template in Task 3?

- A. Bash
- B. Zsh
- C. PowerShell
- D. CMD

**Answer:** C. PowerShell

**14. What type of account is required for Cloud Shell?**

- A. A storage account
- B. A service account
- C. A managed identity
- D. A user account

**Answer:** A. A storage account

**15. What command is used to deploy the template with Azure PowerShell?**

- A. New-AzResourceGroup
- B. New-AzResourceGroupDeployment
- C. New-AzDeployment
- D. New-AzDiskDeployment

**Answer:** B. New-AzResourceGroupDeployment

**16. Which parameter specifies the template file in the PowerShell command?**

- A. -TemplateUri
- B. -TemplatePath
- C. -TemplateFile
- D. -TemplateLocation

**Answer:** C. -TemplateFile

**17. Which command confirms the disk was created in PowerShell?**

- A. Get-AzResource
- B. Get-AzDisk
- C. Get-AzStorage
- D. Get-AzDeployment

**Answer:** B. Get-AzDisk

#### **Task 4: Deploy a Template with the CLI**

**Deploy the template using the Cloud Shell select Bash. Confirm your choice.**

**18. Which shell is selected for deploying the template in Task 4?**

- A. Bash
- B. Zsh
- C. PowerShell
- D. CMD

**Answer:** A. Bash

**19. What command is used to deploy the template with the CLI?**

- A. az group create
- B. az deployment create
- C. az deployment group create
- D. az resource deploy

**Answer:** C. az deployment group create

**20. Which command confirms the disk was created in the CLI?**

- A. az disk show
- B. az disk list
- C. az disk get
- D. az disk describe

**Answer:** B. az disk list

**21. What is the new disk name set in the CLI deployment?**

- A. az104-disk2
- B. az104-disk3
- C. az104-disk4
- D. az104-disk5

**Answer:** C. az104-disk4

### **Task 5: Deploy a Resource by Using Azure Bicep**

**In this task, you will use a Bicep file to deploy a managed disk. Bicep is a declarative automation tool that is built on ARM templates.**

**22. What is Azure Bicep?**

- A. A programming language for Azure functions
- B. A declarative language for resource deployment
- C. A tool for monitoring Azure resources
- D. A command-line interface for Azure

**Answer:** B. A declarative language for resource deployment

**23. What file extension is used for Bicep templates?**

- A. .json
- B. .yaml
- C. .bicep
- D. .xml

**Answer:** C. .bicep



**24. What command is used to deploy the Bicep template?**

- A. az group deploy
- B. az deployment group create
- C. az bicep create
- D. az bicep deploy

**Answer:** B. az deployment group create

**25. What value is changed for the managedDiskName in the Bicep template?**

- A. Disk1
- B. Disk2
- C. Disk3
- D. Disk4

**Answer:** D. Disk4

**26. What SKU name is set for the disk in the Bicep template?**

- A. StandardHDD\_LRS
- B. PremiumSSD\_LRS
- C. StandardSSD\_LRS
- D. UltraSSD\_LRS

**Answer:** C. StandardSSD\_LRS

## **General Knowledge**

**27. Which Azure feature allows you to export templates for resource groups or specific resources?**

- A. Azure Monitor
- B. Azure Resource Graph
- C. Azure Automation
- D. Azure Resource Manager

**Answer:** D. Azure Resource Manager

**28. What is the primary benefit of using ARM templates for resource deployment?**

- A. Improved resource security
- B. Automated and consistent deployments
- C. Reduced cost of resources
- D. Increased resource performance

**Answer:** B. Automated and consistent deployments

**29. Which command in PowerShell lists the available disks?**

- A. Get-AzResource
- B. Get-AzDisk

- C. Get-AzStorageAccount
- D. Get-AzVM

**Answer:** B. Get-AzDisk

**30. What format are ARM templates written in?**

- A. XML
- B. JSON
- C. YAML
- D. CSV

**Answer:** B. JSON

**31. What Azure feature provides an interactive, browser-accessible terminal for managing resources?**

- A. Azure CLI
- B. Azure Cloud Shell
- C. Azure PowerShell
- D. Azure Portal

**Answer:** B. Azure Cloud Shell

**32. What is the maximum size for a Standard HDD managed disk in Azure?**

- A. 1 TB
- B. 2 TB
- C. 4 TB
- D. 32 TB

**Answer:** D. 32 TB

**33. Which deployment scope allows for resource group, subscription, management group, or tenant deployment?**

- A. Azure Resource Group
- B. Azure Subscription
- C. Azure Management Group
- D. Azure Tenant

**Answer:** D. Azure Tenant

**34. Which command in the CLI lists the available disks?**

- A. az resource list
- B. az disk show
- C. az disk list
- D. az vm list

**Answer:** C. az disk list

**35. What does the Azure Bicep language primarily simplify?**

- A. Security configurations
- B. Network management
- C. Infrastructure as code
- D. Monitoring and logging

**Answer:** C. Infrastructure as code

**36. What is the primary use of the "New-AzResourceGroupDeployment" command in PowerShell?**

- A. To create a new resource group
- B. To deploy resources to a resource group
- C. To delete a resource group
- D. To list resources in a resource group

**Answer:** B. To deploy resources to a resource group

**37. In Task 2, which file is uploaded alongside the template file during deployment?**

- A. Configuration file
- B. Parameter file
- C. Log file
- D. Deployment script

**Answer:** B. Parameter file

**38. What is the purpose of the "az deployment group create" command?**

- A. To create a resource group
- B. To deploy resources to a resource group
- C. To delete a resource group
- D. To list resource groups

**Answer:** B. To deploy resources to a resource group

**39. Which Azure service provides a set of pre-built templates for common tasks?**

- A. Azure Quickstart Templates
- B. Azure Blueprints
- C. Azure Automation
- D. Azure DevOps

**Answer:** A. Azure Quickstart Templates

**40. What is the main advantage of using Bicep over traditional ARM templates?**

- A. Better performance
- B. Simpler syntax
- C. Enhanced security
- D. Lower cost

**Answer:** B. Simpler syntax

**41. What file format is used for parameters in ARM templates?**

- A. YAML
- B. XML
- C. JSON
- D. CSV

**Answer:** C. JSON

**42. In Task 3, which icon is used to access the Cloud Shell in the Azure Portal?**

- A. The Bell icon
- B. The Cloud icon
- C. The Terminal icon
- D. The User icon

**Answer:** B. The Cloud icon

**43. Which Azure service helps in managing the deployment of ARM templates and tracking their status?**

- A. Azure Monitor
- B. Azure DevOps
- C. Azure Automation
- D. Azure Resource Manager

**Answer:** D. Azure Resource Manager

**44. What is the primary purpose of the Azure Cloud Shell?**

- A. To monitor Azure resources
- B. To provide a command-line interface for managing Azure resources
- C. To store Azure resource logs
- D. To create Azure resource groups

**Answer:** B. To provide a command-line interface for managing Azure resources

**45. Which Azure CLI command verifies the list of available disks?**

- A. az disk list
- B. az resource list
- C. az storage list
- D. az vm list

**Answer:** A. az disk list

**46. What is the benefit of exporting a template from an existing resource in Azure?**

- A. Reducing costs
- B. Simplifying the redeployment of resources

- C. Enhancing security
- D. Improving performance

**Answer:** B. Simplifying the redeployment of resources

**47. Which command is used to clear the command window in Cloud Shell?**

- A. clear
- B. cls
- C. reset
- D. clean

**Answer:** B. cls

**48. What does the "ProvisioningState" indicate in the deployment command output?**

- A. The location of the resource
- B. The type of resource
- C. The current status of the deployment
- D. The cost of the deployment

**Answer:** C. The current status of the deployment

**49. Which file format is primarily used for Azure Resource Manager templates?**

- A. XML
- B. JSON
- C. YAML
- D. CSV

**Answer:** B. JSON

**50. What is the main function of the Azure Resource Manager?**

- A. To provide a graphical interface for managing Azure resources
- B. To enable the deployment and management of Azure resources via templates
- C. To monitor Azure resources
- D. To secure Azure resources

**Answer:** B. To enable the deployment and management of Azure resources via templates

# Lab 4 Implement Virtual Networking

## Quiz: Implement Virtual Networking Lab

### Task 1: Create a virtual network with subnets using the portal

The organization plans a large amount of growth for core services. In this task, you create the virtual network and the associated subnets to accommodate the existing resources and planned growth. In this task, you will use the Azure portal.

1. **What is the primary goal of the organization in this lab scenario?**

- ☐ A. To implement virtual networks
- ☐ B. To accommodate existing resources and plan for growth
- ☐ C. To reduce network latency
- ☐ D. To optimize cloud costs

**Answer:** B. To accommodate existing resources and plan for growth

2. **Which region is used for creating the CoreServicesVnet virtual network?**

- ☐ A. East US
- ☐ B. West US
- ☐ C. North Europe
- ☐ D. Southeast Asia

**Answer:** A. East US

3. **What is the IP address space assigned to the CoreServicesVnet virtual network?**

- ☐ A. 10.10.0.0/16
- ☐ B. 10.20.0.0/16
- ☐ C. 10.30.0.0/16
- ☐ D. 192.168.0.0/16

**Answer:** B. 10.20.0.0/16

4. **How many subnets are created for the CoreServicesVnet virtual network?**

- ☐ A. 1
- ☐ B. 2
- ☐ C. 3
- ☐ D. 4

**Answer: B. 2**

**5. What subnet size is used for the SharedServicesSubnet?**

- A. /24
- B. /25
- C. /26
- D. /27

**Answer: A. /24**

**6. Which tab is used to add subnets in the Azure portal?**

- A. Basics
- B. IP Addresses
- C. Security
- D. Review + create

**Answer: B. IP Addresses**

**7. Where can you find the option to export the ARM template for the virtual network created?**

- A. Overview blade
- B. Networking blade
- C. Automation section
- D. Subnets blade

**Answer: C. Automation section**

## **Task 2: Create a virtual network and subnets using a template**

In this task, you create the ManufacturingVnet virtual network and associated subnets. The organization anticipates growth for the manufacturing offices so the subnets are sized for the expected growth. For this task, you use a template to create the resources.

**8. Which file is used to create the ManufacturingVnet virtual network and subnets?**

- A. Template.json
- B. Parameters.json
- C. Configuration.json
- D. Script.json

**Answer: A. Template.json**

**9. What IP address space is used for the ManufacturingVnet virtual network?**

- A. 10.10.0.0/16
- B. 10.20.0.0/16
- C. 10.30.0.0/16
- D. 192.168.0.0/16

**Answer:** C. 10.30.0.0/16

**10. How many subnets are created for the ManufacturingVnet virtual network?**

- ☐ A. 1
- ☐ B. 2
- ☐ C. 3
- ☐ D. 4

**Answer:** B. 2

**11. What subnet size is used for the SensorSubnet1?**

- ☐ A. /24
- ☐ B. /25
- ☐ C. /26
- ☐ D. /27

**Answer:** A. /24

**12. Which tab is used to associate subnets with a virtual network in the Azure portal?**

- ☐ A. Basics
- ☐ B. IP Addresses
- ☐ C. Security
- ☐ D. Review + create

**Answer:** B. IP Addresses

**13. What is the purpose of the parameters.json file in deploying the template?**

- ☐ A. It contains the ARM template structure
- ☐ B. It defines the properties of the virtual network
- ☐ C. It provides input values for the ARM template
- ☐ D. It specifies the deployment location

**Answer:** C. It provides input values for the ARM template

### **Task 3: Create and configure communication between an Application Security Group and a Network Security Group**

In this task, we create an Application Security Group and a Network Security Group. The NSG will have an inbound security rule that allows traffic from the ASG. The NSG will also have an outbound rule that denies access to the internet.

**14. What is the primary purpose of an Application Security Group (ASG)?**

- ☐ A. To manage virtual machine resources
- ☐ B. To manage network security rules
- ☐ C. To group VMs for applying network security rules
- ☐ D. To monitor network traffic



**Answer:** C. To group VMs for applying network security rules

**15. Which type of traffic is allowed by the inbound security rule named "AllowASG"?**

- A. Internet traffic
- B. Traffic from other virtual networks
- C. Traffic from the ASG
- D. Outbound traffic

**Answer:** C. Traffic from the ASG

**16. What is the priority of the outbound security rule named "DenyAnyCustom8080Outbound"?**

- A. 100
- B. 1000
- C. 4096
- D. 65001

**Answer:** C. 4096

**17. Which action does the outbound security rule "DenyAnyCustom8080Outbound" perform?**

- A. Allows outbound traffic to the internet
- B. Denies outbound traffic to the internet
- C. Allows outbound traffic to specific IP addresses
- D. Denies outbound traffic to specific IP addresses

**Answer:** B. Denies outbound traffic to the internet

**18. What type of traffic is denied by the outbound security rule "DenyAnyCustom8080Outbound"?**

- A. Traffic from other virtual networks
- B. Traffic to specific IP addresses
- C. Internet traffic
- D. Traffic to the ASG

**Answer:** C. Internet traffic

#### **Task 4: Configure public and private Azure DNS zones**

**In this task, you will create and configure public and private DNS zones.**

**19. What is the purpose of a public DNS zone in Azure?**

- A. To resolve hostnames within virtual networks
- B. To provide private name resolution services
- C. To resolve hostnames on the public internet
- D. To restrict access to specific IP addresses

**Answer:** C. To resolve hostnames on the public internet

**20. Which DNS zone is accessible only from linked virtual networks?**

- ☐ A. Public DNS zone
- ☐ B. Private DNS zone
- ☐ C. Custom DNS zone
- ☐ D. Secure DNS zone

**Answer:** B. Private DNS zone

**End of Quiz**