

AZ-500^{Q&As}

Microsoft Azure Security Technologies

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QUESTION 1

HOTSPOT

You have 20 Azure subscriptions and a security group named Group1. The subscriptions are children of the root management group.

Each subscription contains a resource group named RG1.

You need to ensure that for each subscription RG1 meets the following requirements:

1.
The members of Group1 are assigned the Owner role.
2.
The modification of permissions to RG1 is prevented.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Configure role-based access control (RBAC) role assignments by using:

	▼
Azure Blueprints	
Azure Policy	
Azure Security Center	

Prevent the modification of permissions to RG1 by using:

	▼
A resource lock	
A role-based access control (RBAC) role assignment at the resource group level	
Azure Blueprint assignments in locking mode	

Correct Answer:

Answer Area

Configure role-based access control (RBAC) role assignments by using:

	▼
Azure Blueprints	
Azure Policy	
Azure Security Center	

Prevent the modification of permissions to RG1 by using:

	▼
A resource lock	
A role-based access control (RBAC) role assignment at the resource group level	
Azure Blueprint assignments in locking mode	

QUESTION 2

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You use Azure Security Center for the centralized policy management of three Azure subscriptions.

You use several policy definitions to manage the security of the subscriptions.

You need to deploy the policy definitions as a group to all three subscriptions.

Solution: You create a policy definition and assignments that are scoped to resource groups.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

References: <https://4sysops.com/archives/apply-governance-policy-to-multiple-azure-subscriptions-with-management-groups/>

QUESTION 3

You have an Azure subscription that contains a resource group named RG1 and a security group serverless RG1 contains 10 virtual machine, a virtual network VNET1, and a network security group (NSG) named NSG1. ServerAdmins can

access the virtual machines by using RDP.

You need to ensure that NSG1 only RDP connections to the virtual for a maximum of 60 minutes when a member of ServerAdmins requests access.

What should you configure?

- A. an Azure Active Directory (Azure AD) Privileged identity Management (PIM) role assignment.
- B. a just in time (JIT) VM access policy in Microsoft Defender for Cloud
- C. an azure policy assigned to RG1.
- D. an Azure Bastion host on VNET1.

Correct Answer: B

<https://docs.microsoft.com/en-us/azure/security-center/just-in-time-explained>

QUESTION 4

You have a hybrid configuration of Azure Active Directory (Azure AD). You have an Azure SQL Database instance that is configured to support Azure AD authentication.

Database developers must connect to the database instance and authenticate by using their on-premises Active Directory account.

You need to ensure that developers can connect to the instance by using Microsoft SQL Server Management Studio. The solution must minimize authentication prompts.

Which authentication method should you recommend?

- A. Active Directory - Password
- B. Active Directory - Universal with MFA support
- C. SQL Server Authentication
- D. Active Directory - Integrated

Correct Answer: D

Use Active Directory password authentication when connecting with an Azure AD principal name using the Azure AD managed domain.

Use this method to authenticate to SQL DB/DW with Azure AD for native or federated Azure AD users. A native user is one explicitly created in Azure AD and being authenticated using user name and password, while a federated user is a Windows user whose domain is federated with Azure AD. The latter method (using user and password) can be used when a user wants to use their windows credential, but their local machine is not joined with the domain (for example, using a remote access). In this case, a Windows user can indicate their domain account and password and can authenticate to SQL DB/DW using federated credentials.

Incorrect Answers:

D: Use Active Directory integrated authentication if you are logged in to Windows using your Azure Active Directory credentials from a federated domain.

References: <https://docs.microsoft.com/en-us/azure/sql-database/sql-database-aad-authentication-configure>

QUESTION 5

You plan to use Azure Resource Manager templates to perform multiple deployments of identically configured Azure virtual machines. The password for the administrator account of each deployment is stored as a secret in different Azure key vaults.

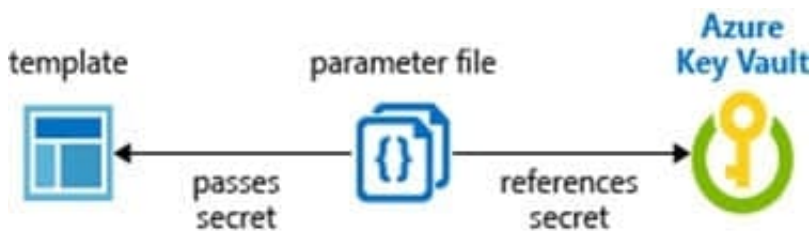
You need to identify a method to dynamically construct a resource ID that will designate the key vault containing the appropriate secret during each deployment. The name of the key vault and the name of the secret will be provided as inline parameters.

What should you use to construct the resource ID?

- A. a key vault access policy
- B. a linked template
- C. a parameters file
- D. an automation account

Correct Answer: B

You reference the key vault in the parameter file, not the template. The following image shows how the parameter file references the secret and passes that value to the template.



Reference: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-keyvault-parameter>

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