AZ-204^Q&As

Developing Solutions for Microsoft Azure

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QUESTION 1

DRAG DROP

You have downloaded an Azure Resource Manager template to deploy numerous virtual machines. The template is based on a current virtual machine, but must be adapted to reference an administrative password.

You need to make sure that the password is not stored in plain text.

You are preparing to create the necessary components to achieve your goal.

Which of the following should you create to achieve your goal? Answer by dragging the correct option from the list to the answer area.

Select and Place:

Options

An Azure Key Vault

An Azure Storage account

Azure Active Directory (AD) Identity Protection

An access policy

An Azure policy

A backup policy

Answer

Correct Answer:

Options

Answer

An Azure Storage account

Azure Active Directory (AD) Identity Protection

An Azure policy

A backup policy

An Azure Key Vault

An access policy

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 are developing a medical records document management website. The website is used to store scanned copies of patient intake forms.

If the stored intake forms are downloaded from storage by a third party, the contents of the forms must not be compromised.

You need to store the intake forms according to the requirements.

Solution:

1. Create an Azure Cosmos DB database with Storage Service Encryption enabled.

2. Store the intake forms in the Azure Cosmos DB database. Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

Instead use an Azure Key vault and public key encryption. Store the encrypted from in Azure Storage Blob storage.

QUESTION 3

You provide an Azure API Management managed web service to clients. The back-end web service implements HTTP Strict Transport Security (HSTS).

Every request to the backend service must include a valid HTTP authorization header.

You need to configure the Azure API Management instance with an authentication policy.

Which two policies can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Basic Authentication

B. Digest Authentication

C. Certificate Authentication

D. OAuth Client Credential Grant

Correct Answer: CD

QUESTION 4

You deploy an API to API Management

You must secure all operations on the API by using a client certificate.

You need to secure access to the backend service of the API by using client certificates.

Which two security features can you use?

A. Azure AD token

B. Self-signed certificate

C. Certificate Authority (CA) certificate

D. Triple DES (3DES) cipher

E. Subscription key

Correct Answer: BC

QUESTION 5

A company uses Azure SQL Database to store data for an app. The data includes sensitive information.

You need to implement measures that allow only members of the managers group to see sensitive information.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Include the managers group.

B. Exclude the managers group.

C. Exclude the administrators group.

D. Navigate to the following URL: PUT https://management.azure.com/subscriptions/00000000-1111-2222-3333-444444444444/resouceGroupos/rg01/providers/Microsoft.Sql/servers/server01/databases/customers/transparentDataEncryption/current?api-version=2014-04-01

E. Run the following Azure PowerShell command: New-AzureRmSqlDatabaseDataMaskingRule -SchemaName "dbo" -TableName "customers" -ColumnName "ssn" -MaskingFunction "Default"

Correct Answer: BE

Dynamic data masking helps prevent unauthorized access to sensitive data by enabling customers to designate how much of the sensitive data to reveal with minimal impact on the application layer.

SQL users excluded from masking - A set of SQL users or AAD identities that get unmasked data in the SQL query results. Note: The New-AzureRmSqlDatabaseDataMaskingRule cmdlet creates a data masking rule for an Azure SQL database. References:

https://docs.microsoft.com/en-us/powershell/module/azurerm.sql/new-azurermsqldatabasedatamaskingrule?view=azurermps-6.13.0

QUESTION 6

You develop an app that allows users to upload photos and videos to Azure storage. The app uses a storage REST API call to upload the media to a blob storage account named Account1. You have blob storage containers named

Container1 and Container2.

Uploading of videos occurs on an irregular basis.

You need to copy specific blobs from Container1 to Container2 in real time when specific requirements are met, excluding backup blob copies.

What should you do?

A. Download the blob to a virtual machine and then upload the blob to Container2.

B. Run the Azure PowerShell command Start-AzureStorageBlobCopy.

C. Copy blobs to Container2 by using the Put Blob operation of the Blob Service REST API.

D. Use AzCopy with the Snapshot switch blobs to Container2.

Correct Answer: B

The Start-AzureStorageBlobCopy cmdlet starts to copy a blob.

Example 1: Copy a named blob

C:\PS>Start-AzureStorageBlobCopy -SrcBlob "ContosoPlanning2015" -DestContainer "ContosoArchives" -SrcContainer "ContosoUploads"

This command starts the copy operation of the blob named ContosoPlanning2015 from the container named ContosoUploads to the container named ContosoArchives.

References:

https://docs.microsoft.com/en-us/powershell/module/azure.storage/start-azurestorageblobcopy?view=azurermps-6.13.0

QUESTION 7

You are developing an internal website for employees to view sensitive data. The website uses Azure Active Directory (AAD) for authentication.

You need to implement multifactor authentication for the website.

What should you do? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Upgrade to Azure AD Premium.

B. In Azure AD conditional access, enable the baseline policy.

C. In Azure AD, create a new conditional access policy.

D. In Azure AD, enable application proxy.

E. Configure the website to use Azure AD B2C.

Correct Answer: AC

A: Multi-Factor Authentication comes as part of the following offerings:

Azure Active Directory Premium licenses - Full featured use of Azure Multi-Factor Authentication Service (Cloud) or Azure Multi-Factor Authentication Server (On-premises).

Multi-Factor Authentication for Office 365

Azure Active Directory Global Administrators

C: MFA Enabled by conditional access policy. It is the most flexible means to enable two-step verification for your users. Enabling using conditional access policy only works for Azure MFA in the cloud and is a premium feature of Azure AD.

References:

https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-getstarted

QUESTION 8

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.

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You are developing a web app named mywebapp1. Mywebapp1 uses the address myapp1.azurewebsites.net. You protect mywebapp1 by implementing an Azure Web Application Firewall (WAF). The traffic to mywebapp1 is routed through

an Azure Application Gateway instance that is also used by other web apps.

You want to secure all traffic to mywebapp1 by using SSL.

Solution: You configure mywebapp1 to run in an Azure App service environment (ASE).

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

The Azure App service environment (ASE) is used to run an app in an isolated environment.

Reference: https://docs.microsoft.com/en-us/azure/app-service/environment/intro

QUESTION 9

DRAG DROP

You are developing an application to use Azure Blob storage. You have configured Azure Blob storage to include change feeds.

A copy of your storage account must be created in another region. Data must be copied from the current storage

account to the new storage account directly between the storage servers.

You need to create a copy of the storage account in another region and copy the data.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

- Use AZCopy to copy the data to the new storage account.
- Deploy the template to create a new storage account in the target region.
- Export a Resource Manager template.
- Create a new template deployment.
- Modify the template by changing the storage account name and region.

Answer Area

Correct Answer:

Actions

Answer Area

1. Export a Resource Manager template.
2. Create a new template deployment.
3. Modify the template by changing the storage account name and region.
4. Deploy the template to create a new storage account in the target region.
5. Use AZCopy to copy the data to the new storage account.

To move a storage account, create a copy of your storage account in another region. Then, move your data to that

account by using AzCopy, or another tool of your choice. The steps are:

1.

Export a template.

2.

Modify the template by adding the target region and storage account name.

3.

Deploy the template to create the new storage account.

4.

Configure the new storage account.

5.

Move data to the new storage account.

6.

Delete the resources in the source region.

Note: You must enable the change feed on your storage account to begin capturing and recording changes. You can enable and disable changes by using Azure Resource Manager templates on Portal or Powershell.

Reference:

https://docs.microsoft.com/en-us/azure/storage/common/storage-account-move

https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-change-feed

QUESTION 10

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

Margie\\'s Travel is an international travel and bookings management service. The company is expanding into restaurant bookings. You are tasked with implementing Azure Search for the restaurants listed in their solution.

You create the index in Azure Search.

You need to import the restaurant data into the Azure Search service by using the Azure Search .NET SDK.

Solution:

1.

 Create a SearchIndexClient object to connect to the search index.

2.

 Create a DataContainer that contains the documents which must be added.

3.

 Create a DataSource instance and set its Container property to the DataContainer.

4.

 Call the Documents.Suggest method of the SearchIndexClient and pass the DataSource. Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

Use the following method:

1.

 - Create a SearchIndexClient object to connect to the search index

2.

 - Create an IndexBatch that contains the documents which must be added.

3.

 - Call the Documents.Index method of the SearchIndexClient and pass the IndexBatch.

References: https://docs.microsoft.com/en-us/azure/search/search-howto-dotnet-sdk

QUESTION 11

You need to deploy the CheckUserContent Azure Function. The solution must meet the security and cost requirements. Which hosting model should you use?

A. Premium plan

B. App Service plan

C. Consumption plan

Correct Answer: B

Scenario:

You must minimize costs for all Azure services.

All Internal services must only be accessible from internal Virtual Networks (VNets).

Best for long-running scenarios where Durable Functions can\\'t be used. Consider an App Service plan in the following situations:

1.

You have existing, underutilized VMs that are already running other App Service instances.

2.

You want to provide a custom image on which to run your functions.

3.

Predictive scaling and costs are required.

Note: When you create a function app in Azure, you must choose a hosting plan for your app. There are three basic hosting plans available for Azure Functions: Consumption plan, Premium plan, and Dedicated (App Service) plan.

Incorrect Answers:

A: A Premium plan would be more costly.

C: Need the VNET functionality.

Reference: https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale

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QUESTION 12

You develop a solution that uses an Azure SQL Database to store user information for a mobile app.

The app stores sensitive information about users.

You need to hide sensitive information from developers that query the data for the mobile app.

Which three items must you identify when configuring dynamic data masking? Each correct answer presents a part of the solution.

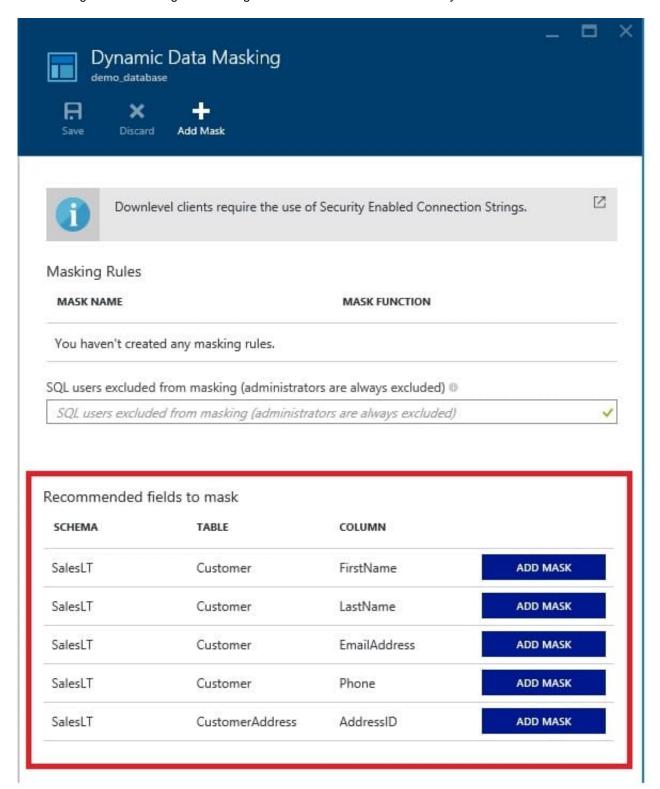NOTE: Each correct selection is worth one point.

A. Column

B. Table

C. Trigger

D. Index

E. Schema

Correct Answer: ABE

In the Dynamic Data Masking configuration page, you may see some database columns that the recommendations engine has flagged for masking. In order to accept the recommendations, just click Add Mask for one or more columns

and a mask is created based on the default type for this column. You can change the masking function by clicking on the masking rule and editing the masking field format to a different format of your choice.

References: https://docs.microsoft.com/en-us/azure/sql-database/sql-database-dynamic-data-masking-get-started-portal

QUESTION 13

You have two Hyper-V hosts named Host1 and Host2. Host1 has an Azure virtual machine named VM1 that was deployed by using a custom Azure Resource Manager template.

You need to move VM1 to Host2.

What should you do?

A. From the Update management blade, click Enable.

B. From the Overview blade, move VM1 to a different subscription.

C. From the Redeploy blade, click Redeploy.

D. From the Profile blade, modify the usage location.

Correct Answer: C

When you redeploy a VM, it moves the VM to a new node within the Azure infrastructure and then powers it back on, retaining all your configuration options and associated resources.

Reference: https://docs.microsoft.com/en-us/azure/virtual-machines/windows/redeploy-to-new-node

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