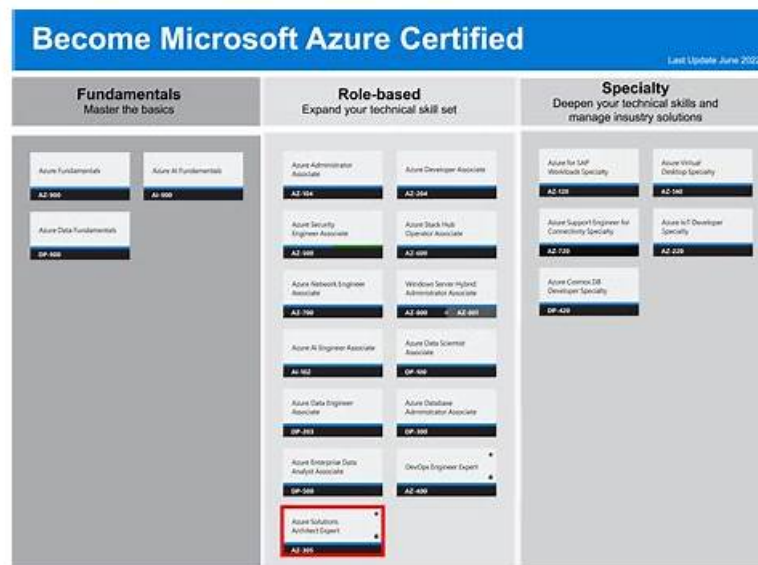


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Microsoft AZ-305 certification exam has been designed to test the candidate's knowledge and skills in designing solutions for Azure infrastructure. AZ-305 exam covers a wide range of topics, including the design of Azure compute, storage, security, and networking services. Candidates are also tested on their ability to design solutions for high availability, disaster recovery, and scalability. Moreover, the exam tests their knowledge of Azure monitoring and management services, as well as their ability to design solutions that meet compliance requirements.

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Microsoft Designing Microsoft Azure Infrastructure Solutions Sample Questions (Q45-Q50):

NEW QUESTION # 45

You have an Azure subscription that contains a virtual network named VNET1 and 10 virtual machines. The virtual machines are connected to VNET1.

You need to design a solution to manage the virtual machines from the internet. The solution must meet the following requirements:

- * Incoming connections to the virtual machines must be authenticated by using Azure Multi-Factor Authentication (MFA) before network connectivity is allowed.
- * Incoming connections must use TLS and connect to TCP port 443.
- * The solution must support RDP and SSH.

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

NOTE: Each correct selection is worth one point.

Answer Area

To provide access to virtual machines on VNET1, use:

- ☒ Azure Bastion
- ☒ Just-in-time (JIT) VM access
- ☐ Azure Web Application Firewall (WAF) in Azure Front Door

To enforce Azure MFA, use:

- ☒ An Azure Identity Governance access package
- ☒ A Conditional Access policy that has the Cloud apps assignment set to Azure Windows VM Sign-In
- ☐ A Conditional Access policy that has the Cloud apps assignment set to Microsoft Azure Management

Answer:

Explanation:

Answer Area

To provide access to virtual machines on VNET1, use:

- ☒ Azure Bastion
- ☒ Just-in-time (JIT) VM access
- ☐ Azure Web Application Firewall (WAF) in Azure Front Door

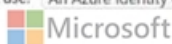
To enforce Azure MFA, use:

- ☒ An Azure Identity Governance access package
- ☒ A Conditional Access policy that has the Cloud apps assignment set to Azure Windows VM Sign-In
- ☐ A Conditional Access policy that has the Cloud apps assignment set to Microsoft Azure Management

Explanation

To provide access to virtual machines on VNET1, use:

To enforce Azure MFA, use:



NEW QUESTION # 46

You have the Azure subscriptions shown in the following table.

Name	Location	Azure tenant
Sub1	East US	contoso.onmicrosoft.com
Sub2	East US	contoso-recovery.onmicrosoft.com

Contoso.onmicrosoft.com contains a user named User1.

You need to deploy a solution to protect against ransomware attacks. The solution must meet the following requirements:

- * Ensure that all the resources in Sub1 are backed up by using Azure Backup.
- * Require that User1 first be assigned a role for Sub2 before the user can make major changes to the backup configuration.

What should you create in each subscription? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Sub1:
A Recovery Services vault
A Resource Guard
An Azure Site Recovery job
Microsoft Azure Backup Server (MABS)
The Microsoft Azure Recovery Services (MARS) agent

Sub2:
A Recovery Services vault
A Resource Guard
An Azure Site Recovery job
Microsoft Azure Backup Server (MABS)
The Microsoft Azure Recovery Services (MARS) agent



Answer:

Explanation:

Answer Area

Sub1:
A Recovery Services vault
A Resource Guard
An Azure Site Recovery job
Microsoft Azure Backup Server (MABS)
The Microsoft Azure Recovery Services (MARS) agent

Sub2:
A Recovery Services vault
A Resource Guard
An Azure Site Recovery job
Microsoft Azure Backup Server (MABS)
The Microsoft Azure Recovery Services (MARS) agent

Explanation:

Answer Area

Sub1:
A Recovery Services vault
A Resource Guard
An Azure Site Recovery job
Microsoft Azure Backup Server (MABS)
The Microsoft Azure Recovery Services (MARS) agent

Sub2:
A Recovery Services vault
A Resource Guard
An Azure Site Recovery job
Microsoft Azure Backup Server (MABS)
The Microsoft Azure Recovery Services (MARS) agent



NEW QUESTION # 47

You have an Azure subscription that contains a storage account.

An application sometimes writes duplicate files to the storage account.

You have a PowerShell script that identifies and deletes duplicate files in the storage account. Currently, the script is run manually after approval from the operations manager.

You need to recommend a serverless solution that performs the following actions:

Runs the script once an hour to identify whether duplicate files exist

Sends an email notification to the operations manager requesting approval to delete the duplicate files
Processes an email response from the operations manager specifying whether the deletion was approved
Runs the script if the deletion was approved
What should you include in the recommendation?

- A. Azure Logic Apps and Azure Event Grid
- B. Azure Functions and Azure Batch
- C. Azure Pipelines and Azure Service Fabric
- **D. Azure Logic Apps and Azure Functions**

Answer: D

Explanation:

You can schedule a powershell script with Azure Logic Apps.

When you want to run code that performs a specific job in your logic apps, you can create your own function by using Azure Functions. This service helps you create Node.js, C#, and F# functions so you don't have to build a complete app or infrastructure to run code. You can also call logic apps from inside Azure functions.

Azure Functions provides serverless computing in the cloud and is useful for performing tasks such as these examples:

Reference:

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-azure-functions>

NEW QUESTION # 48

You plan to migrate App1 to Azure.

You need to recommend a storage solution for App1 that meets the security and compliance requirements.

Which type of storage should you recommend, and how should you recommend configuring the storage? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Storage account type:

	▼
Premium page blobs	
Premium file shares	
Standard general-purpose v2	

Configuration:

	▼
NFSv3	Microsoft
Large file shares	
Hierarchical namespace	

Answer:

Explanation:

Storage account type:

	▼
Premium page blobs	
Premium file shares	
Standard general-purpose v2	

Configuration:

	▼
NFSv3	Microsoft
Large file shares	
Hierarchical namespace	

Explanation

Text, table Description automatically generated

Storage account type:

Premium page blobs
Premium file shares
Standard general-purpose v2

Configuration:

NFSv3
Large file shares
Hierarchical namespace

Box 1: Standard general-purpose v2

Standard general-purpose v2 supports Blob Storage.

Azure Storage provides data protection for Blob Storage and Azure Data Lake Storage Gen2.

Scenario:

Litware identifies the following security and compliance requirements:

- * Once App1 is migrated to Azure, you must ensure that new data can be written to the app, and the modification of new and existing data is prevented for a period of three years.
- * On-premises users and services must be able to access the Azure Storage account that will host the data in App1.
- * Access to the public endpoint of the Azure Storage account that will host the App1 data must be prevented.
- * All Azure SQL databases in the production environment must have Transparent Data Encryption (TDE) enabled.
- * App1 must NOT share physical hardware with other workloads.

Box 2: NFSv3

Scenario: Plan: Migrate App1 to Azure virtual machines.

Blob storage now supports the Network File System (NFS) 3.0 protocol. This support provides Linux file system compatibility at object storage scale and prices and enables Linux clients to mount a container in Blob storage from an Azure Virtual Machine (VM) or a computer on-premises.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/data-protection-overview>

NEW QUESTION # 49

Your company has 20 web APIs that were developed in-house.

The company is developing 10 web apps that will use the web APIs. The web apps and the APIs are registered in the company's Azure AD tenant. The web APIs are published by using Azure API Management.

You need to recommend a solution to block unauthorized requests originating from the web apps from reaching the web APIs. The solution must meet the following requirements:

- * Use Azure AD-generated claims.
- * Minimize configuration and management effort

What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

NOTE: Each correct selection is worth one point.

Answer Area

Grant permissions to allow the web apps to access the web APIs by using:

Configure a JSON Web Token (JWT) validation policy by using:

Azure AD
Azure AD
Azure API Management
The web APIs

Azure API Management
Azure AD
Azure API Management
The web APIs

STATE OF NEW YORK



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