Real Microsoft AZ-305 Exam Dumps, Valid AZ-305 Exam Objectives

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Microsoft AZ-305 Exam is a part of the Microsoft Certified: Azure Solutions Architect Expert certification, which is a prestigious certification for cloud architects. Designing Microsoft Azure Infrastructure Solutions certification is designed to validate the candidate's expertise in designing and implementing solutions that run on Microsoft Azure. Designing Microsoft Azure Infrastructure Solutions certification also demonstrates the candidate's ability to manage and monitor Azure resources and optimize Azure workloads for cost and performance.

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Valid AZ-305 Exam Objectives & Reliable AZ-305 Practice Materials

At ExamDumpsVCE, we are proud to offer you actual AZ-305 exam questions in our Microsoft AZ-305 practice exam material. This actual study material has been checked and approved by leading professionals in the field. A team of over 90,000 experts and professionals have collaborated to design the Designing Microsoft Azure Infrastructure Solutions (AZ-305) exam material, ensuring that you receive both theoretical knowledge and practical insights to excel in the Designing Microsoft Azure Infrastructure Solutions exam.

Microsoft AZ-305 (Designing Microsoft Azure Infrastructure Solutions) Certification Exam is a valuable certification for IT professionals who want to validate their skills in designing and implementing Azure infrastructure solutions. AZ-305 exam covers a range of topics and requires a deep understanding of Azure technologies. Designing Microsoft Azure Infrastructure Solutions certification is recognized by employers and industry professionals and can help individuals advance their career in cloud computing.

Microsoft Designing Microsoft Azure Infrastructure Solutions Sample Questions (Q183-Q188):

NEW QUESTION # 183
You need to ensure that users managing the production environment are registered for Azure MFA and must authenticate by using Azure MFA when they sign in to the Azure portal. The solution must meet the authentication and authorization requirements.
What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer:

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-identity-protection-configure-mfa-policy
https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-identity-protection-configure-risk-policies
Topic 1, Litware, Inc
General Overview
Litware, Inc. is a medium-sized finance company.
Overview
Physical Locations
Litware has a main office in Boston.
Existing Environment
Identity Environment
The network contains an Active Directory forest named Litware.com that is linked to an Azure Active Directory (Azure AD) tenant named Litware.com. All users have Azure Active Directory Premium P2 licenses.
Litware has a second Azure AD tenant named dev.Litware.com that is used as a development environment.
The Litware.com tenant has a conditional access policy named capolicy1. Capolicy1 requires that when users manage the Azure subscription for a production environment by using the Azure portal, they must connect from a hybrid Azure AD-joined device.
Existing Environment. Azure Environment
Litware has 10 Azure subscriptions that are linked to the Litware.com tenant and five Azure subscriptions that are linked to the dev.Litware.com tenant. All the subscriptions are in an Enterprise Agreement (EA).
The Litware.com tenant contains a custom Azure role-based access control (Azure RBAC) role named Role1 that grants the DataActions read permission to the blobs and files in Azure Storage.
Existing Environment. On-premises Environment
The on-premises network of Litware contains the resources shown in the following table.
Existing Environment. Network Environment
Litware has ExpressRoute connectivity to Azure.
Planned Changes and Requirements. Planned Changes
Litware plans to implement the following changes:
Migrate DB1 and DB2 to Azure.
Migrate App1 to Azure virtual machines.
Deploy the Azure virtual machines that will host App1 to Azure dedicated hosts.
Planned Changes and Requirements.
Authentication and Authorization Requirements
Litware identifies the following authentication and authorization requirements:
Users that manage the production environment by using the Azure portal must connect from a hybrid Azure AD-joined device and authenticate by using Azure Multi-Factor Authentication (MFA).
The Network Contributor built-in RBAC role must be used to grant permission to all the virtual networks in all the Azure subscriptions.
To access the resources in Azure, App1 must use the managed identity of the virtual machines that will host the app.
Role1 must be used to assign permissions to the storage accounts of all the Azure subscriptions.
RBAC roles must be applied at the highest level possible.
Planned Changes and Requirements. Resiliency Requirements
Litware identifies the following resiliency requirements:
Once migrated to Azure, DB1 and DB2 must meet the following requirements:
- Maintain availability if two availability zones in the local Azure region fail.
- Fail over automatically.
- Minimize I/O latency.
App1 must meet the following requirements:
- Be hosted in an Azure region that supports availability zones.

- Be hosted on Azure virtual machines that support automatic scaling.
- Maintain availability if two availability zones in the local Azure region fail.

Planned Changes and Requirements. Security and Compliance Requirements

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.

Planned Changes and Requirements. Business Requirements

Litware identifies the following business requirements:

Minimize administrative effort.

Minimize costs.

NEW QUESTION # 184

You plan to deploy 10 applications to Azure. The applications will be deployed to two Azure Kubernetes Service (AKS) clusters. Each cluster will be deployed to a separate Azure region.

The application deployment must meet the following requirements:

* Ensure that the applications remain available if a single AKS cluster fails.

* Ensure that the connection traffic over the internet is encrypted by using SSL without having to configure SSL on each container.

Which service should you include in the recommendation?

- A. AKS ingress controller
- B. Azure Load Balancer
- C. Azure Traffic Manager
- D. Azure Front Door

Answer: D

Explanation:
Explanation
"Azure Front Door, which focuses on global load-balancing and site acceleration, and Azure CDN Standard, which offers static content caching and acceleration. The new Azure Front Door brings together security with CDN technology for a cloud-based CDN with threat protection and additional capabilities. "

NEW QUESTION # 185

You need to recommend a notification solution for the IT Support distribution group.

What should you include in the recommendation?

- A. Azure Network Watcher
- B. a SendGrid account with advanced reporting
- C. an action group
- D. Azure AD Connect Health

Answer: D

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-health-operations
Topic 3, Contoso
Overview
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.
To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.
At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes

before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Existing Environment: Technical Environment

The on-premises network contains a single Active Directory domain named contoso.com.

Contoso has a single Azure subscription.

Existing Environment: Business Partnerships

Contoso has a business partnership with Fabrikam, Inc. Fabrikam users access some Contoso applications over the internet by using Azure Active Directory (Azure AD) guest accounts.

Requirements: Planned Changes

Contoso plans to deploy two applications named App1 and App2 to Azure.

Requirements: App1

App1 will be a Python web app hosted in Azure App Service that requires a Linux runtime. Users from Contoso and Fabrikam will access App1.

App1 will access several services that require third-party credentials and access strings. The credentials and access strings are stored in Azure Key Vault.

App1 will have six instances: three in the East US Azure region and three in the West Europe Azure region.

App1 has the following data requirements:

Each instance will write data to a data store in the same availability zone as the instance.

Data written by any App1 instance must be visible to all App1 instances.

App1 will only be accessible from the internet. App1 has the following connection requirements:

Connections to App1 must pass through a web application firewall (WAF).

Connections to App1 must be active-active load balanced between instances.

All connections to App1 from North America must be directed to the East US region. All other connections must be directed to the West Europe region.

Every hour, you will run a maintenance task by invoking a PowerShell script that copies files from all the App1 instances. The PowerShell script will run from a central location.

Requirements: App2

App2 will be a NET app hosted in App Service that requires a Windows runtime. App2 has the following file storage requirements:

Save files to an Azure Storage account.

Replicate files to an on-premises location.

Ensure that on-premises clients can read the files over the LAN by using the SMB protocol.

You need to monitor App2 to analyze how long it takes to perform different transactions within the application. The solution must not require changes to the application code.

Application Development Requirements

Application developers will constantly develop new versions of App1 and App2. The development process must meet the following requirements:

A staging instance of a new application version must be deployed to the application host before the new version is used in production.

After testing the new version, the staging version of the application will replace the production version.

The switch to the new application version from staging to production must occur without any downtime of the application.

Identity Requirements

Contoso identifies the following requirements for managing Fabrikam access to resources:

Every month, an account manager at Fabrikam must review which Fabrikam users have access permissions to App1. Accounts that no longer need permissions must be removed as guests.

The solution must minimize development effort.

Security Requirement

All secrets used by Azure services must be stored in Azure Key Vault.

Services that require credentials must have the credentials tied to the service instance. The credentials must NOT be shared between services.

NEW QUESTION # 186

You plan to use an Azure Storage account to store data assets.

You need to recommend a solution that meets the following requirements:

- Supports immutable storage

- Disables anonymous access to the storage account
- Supports access control list (ACL)-based Azure AD permissions
What should you include in the recommendation?

- A. Azure Files
- B. Azure Data Lake Storage
- C. Azure Blob Storage
- D. Azure NetApp Files

Answer: B

Explanation:
In terms of supporting immutable storage, both Azure Data Lake storage and Azure Blob storage are correct. But ACL is supported by Azure Data Lake storage, not supported by Azure Blob storage.
https://learn.microsoft.com/en-us/azure/data-lake-store/data-lake-store-comparison-with-blob- storage

NEW QUESTION # 187
Hotspot Question
You need to deploy an instance of SQL Server on Azure Virtual Machines. The solution must meet the following requirements:
- Support 15,000 disk IOPS.
- Support SR-IOV.
- Minimize costs.
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:

Explanation:

Explanation:
Azure Virtual Machine:
Use a high-performance Azure Virtual Machine such as the Dv3 or Ev3 series, which are optimized for workloads that require low latency and high throughput.
SR-IOV: Enable SR-IOV on the Virtual Machine. SR-IOV allows for direct communication between the virtual NIC and the physical NIC, reducing latency and increasing throughput.
Azure Premium SSD Disks:
Use Azure Premium SSD Disks as they are optimized for performance-sensitive workloads and have a high IOPS and throughput limit.

NEW QUESTION # 188
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