



Microsoft

Exam Questions AZ-304

Microsoft Azure Architect Design (beta)

NEW QUESTION 1

- (Exam Topic 1)

You need to recommend a strategy for migrating the database content of WebApp1 to Azure. What should you include in the recommendation?

- A. Use Azure Site Recovery to replicate the SQL servers to Azure.
- B. Use SQL Server transactional replication.
- C. Copy the BACPAC file that contains the Azure SQL database file to Azure Blob storage.
- D. Copy the VHD that contains the Azure SQL database files to Azure Blob storage

Answer: D

Explanation:

Before you upload a Windows virtual machine (VM) from on-premises to Azure, you must prepare the virtual hard disk (VHD or VHDX).

Scenario: WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier and the database tier are deployed to virtual machines that run on Hyper-V. Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/prepare-for-upload-vhd-image>

NEW QUESTION 2

- (Exam Topic 1)

What should you include in the identity management strategy to support the planned changes?

- A. Move all the domain controllers from corp.fabrikam.com to virtual networks in Azure.
- B. Deploy domain controllers for corp.fabrikam.com to virtual networks in Azure.
- C. Deploy a new Azure AD tenant for the authentication of new R&D projects.
- D. Deploy domain controllers for the rd.fabrikam.com forest to virtual networks in Azure.

Answer: B

Explanation:

Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the on-premises network. (This requires domain controllers in Azure)

Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails. (This requires domain controllers on-premises)

NEW QUESTION 3

- (Exam Topic 1)

You are evaluating the components of the migration to Azure that require you to provision an Azure Storage account.

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input checked="" type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input checked="" type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 4

- (Exam Topic 1)

To meet the authentication requirements of Fabrikam, 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

Minimum number of Azure AD tenants:

0
1
2
3
4

Minimum number of custom domains to add:

0
1
2
3
4

Minimum number of conditional access policies to create:

0
1
2
3
4

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: 2

The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests.

Box 2: 1

Box 3: 1

Scenario:

Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.

Administrators must be able to authenticate to the Azure portal by using their corp.fabrikam.com credentials. All administrative access to the Azure portal must be secured by using multi-factor authentication.

Note:

Users must always authenticate by using their corp.fabrikam.com UPN identity.

The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests.

Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication.

Rd.fabrikam.com is used by the research and development (R&D) department only.

NEW QUESTION 5

- (Exam Topic 2)

You need to recommend a solution for configuring the Azure Multi-Factor Authentication (MFA) settings. 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.

Answer Area

Azure AD license:

	▼
Free	
Basic	
Premium P1	
Premium P2	

Access control for the sign-in risk policy:

	▼
Allow access and require multi-factor authentication	
Block access and require multi-factor authentication	
Allow access and require Azure MFA registration	
Block access	

Access control for the multi-factor authentication registration policy:

	▼
Allow access and require multi-factor authentication	
Block access and require multi-factor authentication	
Allow access and require Azure MFA registration	
Block access	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References:
<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-sign-in-risk-policy> <https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-mfa-policy>

NEW QUESTION 6

- (Exam Topic 2)
 You need to recommend a solution for data of the historical transaction query system.
 What should you include in the recommendation? To answer, Select the appropriate or options in the answer area.
 NOTE: Each correct selection is worth one point

Answer Area

Sizing requirements:

	▼
A table that has unlimited capacity	
A table that has a fixed capacity	
Multiple tables that have unlimited capacity	
Multiple tables that have fixed capacity	

Resiliency:

	▼
An additional read region	
An availability set	
An availability zone	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Sizing requirements:

▼

A table that has unlimited capacity

A table that has a fixed capacity

Multiple tables that have unlimited capacity

Multiple tables that have fixed capacity

Resiliency:

▼

An additional read region

An availability set

An availability zone

NEW QUESTION 7

- (Exam Topic 3)

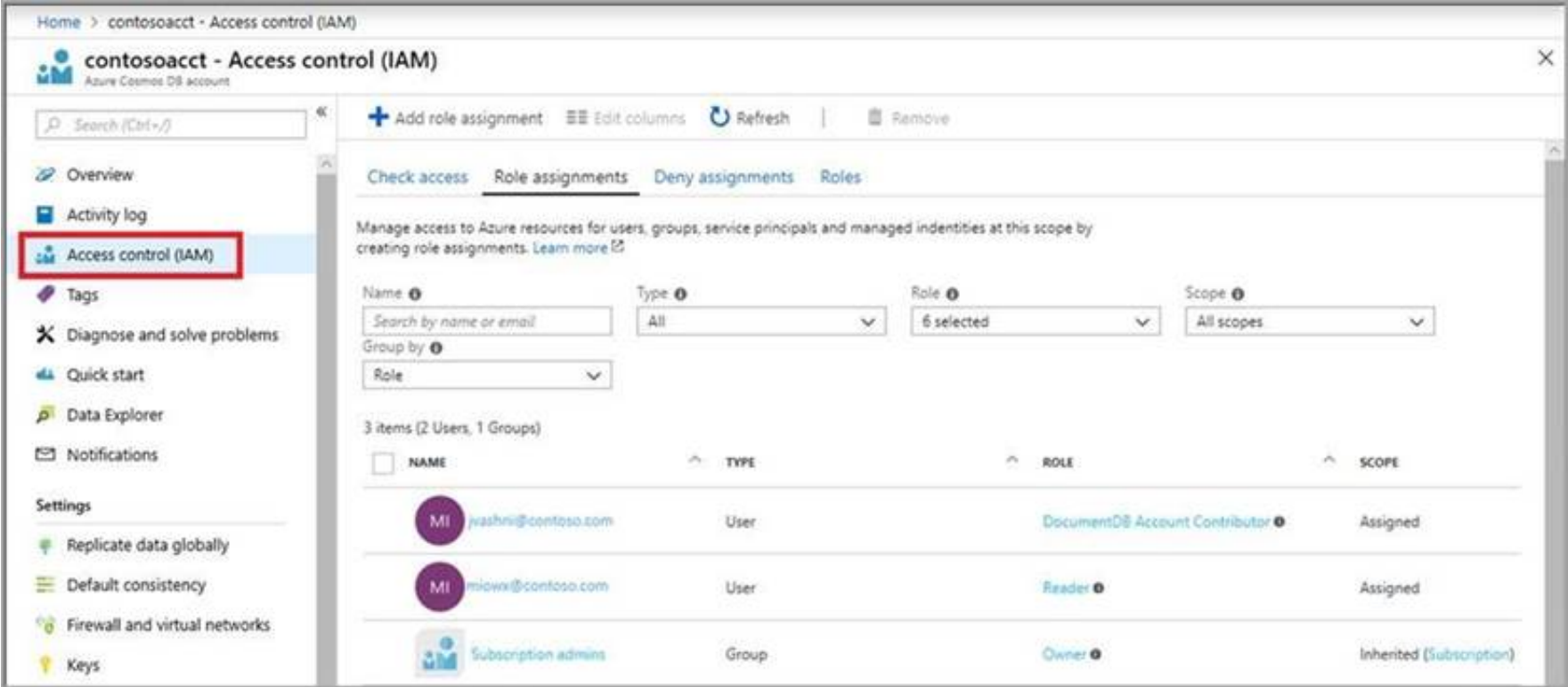
You have an Azure Active Directory (Azure AD) tenant.
 You plan to deploy Azure Cosmos DB databases that will use the SQL API.
 You need to recommend a solution to provide specific Azure AD user accounts with read access to the Cosmos DB databases.
 What should you include in the recommendation?

- A. a resource token and an Access control (IAM) role assignment
- B. shared access signatures (SAS) and conditional access policies
- C. master keys and Azure Information Protection policies
- D. certificates and Azure Key Vault

Answer: A

Explanation:

The Access control (IAM) pane in the Azure portal is used to configure role-based access control on Azure Cosmos resources. The roles are applied to users, groups, service principals, and managed identities in Active Directory. You can use built-in roles or custom roles for individuals and groups. The following screenshot shows Active Directory integration (RBAC) using access control (IAM) in the Azure portal:



Reference:
<https://docs.microsoft.com/en-us/azure/cosmos-db/role-based-access-control>

NEW QUESTION 8

- (Exam Topic 3)

You have an Azure App Service Web App that includes Azure Blob storage and an Azure SQL Database instance. The application is instrumented by using the Application Insights SDK.
 You need to design a monitoring solution for the web app.
 Which Azure monitoring services should you use? To answer, select the appropriate Azure monitoring services in the answer area.
 NOTE: Each correct selection is worth one point.

Scenario	Azure monitoring service
Correlate Azure resource usage and performance data with application configuration and performance data.	<div><div></div><div>Azure Application Insights</div><div>Azure Service Map</div><div>Azure Monitor Logs</div><div>Azure Activity Log</div></div>
Visualize the relationships between application components.	<div><div></div><div>Azure Application Insights</div><div>Azure Service Map</div><div>Azure Monitor Logs</div><div>Azure Activity Log</div></div>
Track requests and exceptions to a specific line of code within the application.	<div><div></div><div>Azure Application Insights</div><div>Azure Service Map</div><div>Azure Monitor Logs</div><div>Azure Activity Log</div></div>
Analyze how many users return to the application and how often they select a particular dropdown value.	<div><div></div><div>Azure Application Insights</div><div>Azure Service Map</div><div>Azure Monitor Logs</div><div>Azure Activity Log</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * 1. Azure Monitor Log
- * 2. Azure Application Insights (application map in App insights)
- * 3. Azure Application Insights
- * 4. Azure Application insights

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-map?tabs=net> <https://docs.microsoft.com/en-us/azure/azure-monitor/insights/service-map>

NEW QUESTION 9

- (Exam Topic 3)

You are building an application that will run in a virtual machine (VM). The application will use Azure Managed Identity. The application uses Azure Key Vault, Azure SQL Database, and Azure Cosmos DB. You need to ensure the application can use secure credentials to access these services.

Which authentication method should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Functionality	Authorization method
Azure Key Vault	<div> Hash-based message authentication code (HMAC) Azure Managed Identity Role-Based Access Controls (RBAC) HTTPS encryption </div>
Azure SQL	<div> Hash-based message authentication code (HMAC) Azure Managed Identity Role-Based Access Controls (RBAC) HTTPS encryption </div>
Cosmos DB	<div> Hash-based message authentication code (HMAC) Azure Managed Identity Role-Based Access Controls (RBAC) HTTPS encryption </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Note: Managed identities for Azure resources is the new name for the service formerly known as Managed Service Identity (MSI). Reference:
<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

NEW QUESTION 10

- (Exam Topic 3)

You have an on-premises network to which you deploy a virtual appliance.

You plan to deploy several Azure virtual machines and connect the on-premises network to Azure by using a Site-to-Site connection.

All network traffic that will be directed from the Azure virtual machines to a specific subnet must flow through the virtual appliance.

You need to recommend solutions to manage network traffic.

Which two options should you recommend? Each correct answer presents a complete solution.

- A. Configure Azure Traffic Manager.
- B. Implement an Azure virtual network.
- C. Implement Azure ExpressRoute.
- D. Configure a routing table.

Answer: CD

Explanation:

Connectivity can be from an any-to-any (IP VPN) network, a point-to-point Ethernet network, or a virtual cross-connection through a connectivity provider at a co-location facility. ExpressRoute connections do not go over the public Internet. This allows ExpressRoute connections to offer more reliability, faster speeds, lower latencies, and higher security than typical connections over the Internet.

Reference:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-forced-tunneling-rm> <https://docs.microsoft.com/en-us/azure/expressroute/expressroute-introduction>

NEW QUESTION 10

- (Exam Topic 3)

You are developing a sales application that will contain several Azure cloud services and will handle different components of a transaction. Different cloud services will process customer orders, billing, payment, inventory, and shipping.

You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using REST messages.

What should you include in the recommendation?

- A. Azure Service Bus
- B. Azure Blob storage
- C. Azure Notification Hubs
- D. Azure Application Gateway

Answer: A

Explanation:

Service Bus is a transactional message broker and ensures transactional integrity for all internal operations against its message stores. All transfers of messages inside of Service Bus, such as moving messages to a dead-letter queue or automatic forwarding of messages between entities, are transactional.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-transactions>

NEW QUESTION 12

- (Exam Topic 3)

You have an on-premises Hyper-V cluster. The cluster contains Hyper-V hosts that run Windows Server 2016 Datacenter. The hosts are licensed under a Microsoft Enterprise Agreement that has Software Assurance.

The Hyper-V cluster hosts 3 virtual machines that run Windows Server 2012 R2. Each virtual machine runs a different workload. The workloads have predictable consumption patterns.

You plan to replace the virtual machines with Azure virtual machines that run Windows Server 2016. The virtual machines will be sized according to the consumption pattern of each workload.

You need to recommend a solution to minimize the compute costs of the Azure virtual machines.

Which two recommendations should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Purchase Azure Reserved Virtual Machine Instances for the Azure virtual machines
- B. Create a virtual machine scale set that uses autoscaling
- C. Configure a spending limit in the Azure account center
- D. Create a lab in Azure DevTest Labs and place the Azure virtual machines in the lab
- E. Activate Azure Hybrid Benefit for the Azure virtual machines

Answer: AE

Explanation:

Reference:

<https://azure.microsoft.com/en-us/pricing/reserved-vm-instances/> <https://docs.microsoft.com/en-us/azure/virtual-machines/windows/hybrid-use-benefit-licensing>

NEW QUESTION 17

- (Exam Topic 3)

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 have an on-premises Hyper-V cluster that hosts 20 virtual machines. Some virtual machines run Windows Server 2016 and some run Linux.

You plan to migrate the virtual machines to an Azure subscription.

You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing an Azure Storage account that has a file service and a blob service, and then using the Data Migration Assistant.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Data Migration Assistant is used to migrate SQL databases. Instead use Azure Site Recovery.

References:

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview>

NEW QUESTION 20

- (Exam Topic 3)

You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- Provide access to the full .NET framework.
- Provide redundancy if an Azure region fails.
- Grant administrators access to the operating system to install custom application dependencies.

Solution: You deploy an Azure virtual machine to two Azure regions, and you deploy an Azure Application Gateway.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

You need to deploy two Azure virtual machines to two Azure regions, but also create a Traffic Manager profile.

NEW QUESTION 25

- (Exam Topic 3)

Your company has the divisions shown in the following table.

Division	Azure subscription	Azure Active Directory (Azure AD) tenant
East	Sub1, Sub2	East.contoso.com
West	Sub3, Sub4	West.contoso.com

You plan to deploy a custom application to each subscription. The application will contain the following:

- A resource group
- An Azure web app
- Custom role assignments
- An Azure Cosmos DB account

You need to use Azure Blueprints to deploy the application to each subscription.

What is the minimum number of objects required to deploy the application? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Management groups:

Blueprint definitions:

Blueprint assignments:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 2

One management group for East, and one for West.

When creating a blueprint definition, you'll define where the blueprint is saved. Blueprints can be saved to a management group or subscription that you have Contributor access to. If the location is a management group, the blueprint is available to assign to any child subscription of that management group.

Box 2: 1

One definition as the you plan to deploy a custom application to each subscription.

With Azure Blueprints, the relationship between the blueprint definition (what should be deployed) and the blueprint assignment (what was deployed) is preserved.

Box 3: 4

One assignment for each subscription. Reference:

<https://docs.microsoft.com/en-us/azure/governance/blueprints/overview>

NEW QUESTION 27

- (Exam Topic 3)

You are designing a storage solution that will use Azure Blob storage. The data will be stored in a cool access tier or an archive access tier based on the access patterns of the data.

You identify the following types of infrequently accessed data: Telemetry data: Deleted after two years D18912E1457D5D1DDCBD40AB3BF70D5D

- > Promotional material: Deleted after 14 days
- > Virtual machine audit data: Deleted after 200 days
- > A colleague recommends using the archive access tier to store the data. Which statement accurately describes the recommendation?

- A. Storage costs will be based on a minimum of 30 days.
- B. Access to the data is guaranteed within five minutes.
- C. Access to the data is guaranteed within 30 minutes.
- D. Storage costs will be based on a minimum of 180 days.

Answer: D

Explanation:

The following table shows a comparison of premium performance block blob storage, and the hot, cool, and archive access tiers.

	Premium performance	Hot tier	Cool tier	Archive tier
Availability	99.9%	99.9%	99%	Offline
Availability (RA-GRS reads)	N/A	99.99%	99.9%	Offline
Usage charges	Higher storage costs, lower access, and transaction cost	Higher storage costs, lower access, and transaction costs	Lower storage costs, higher access, and transaction costs	Lowest storage costs, highest access, and transaction costs
Minimum object size	N/A	N/A	N/A	N/A
Minimum storage duration	N/A	N/A	30 days ¹	180 days
Latency (Time to first byte)	Single-digit milliseconds	milliseconds	milliseconds	hours ²

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

NEW QUESTION 31

- (Exam Topic 3)

You have an on-premises network that uses an IP address space of 172.16.0.0/16. You plan to deploy 25 virtual machines to a new Azure subscription. You identify the following technical requirements.

- All Azure virtual machines must be placed on the same subnet, subnet1.
- All the Azure virtual machines must be able to communicate with all on-premises servers.
- The servers must be able to communicate between the on-premises network and Azure by using a site-to-site VPN.

You need to recommend a subnet design that meets the technical requirements.

What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnet. Each network address may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Network Addresses

172.16.0.0/16

172.16.1.0/28

192.168.0.0/24

192.168.1.0/28

Answer Area



Subnet1:

Network address



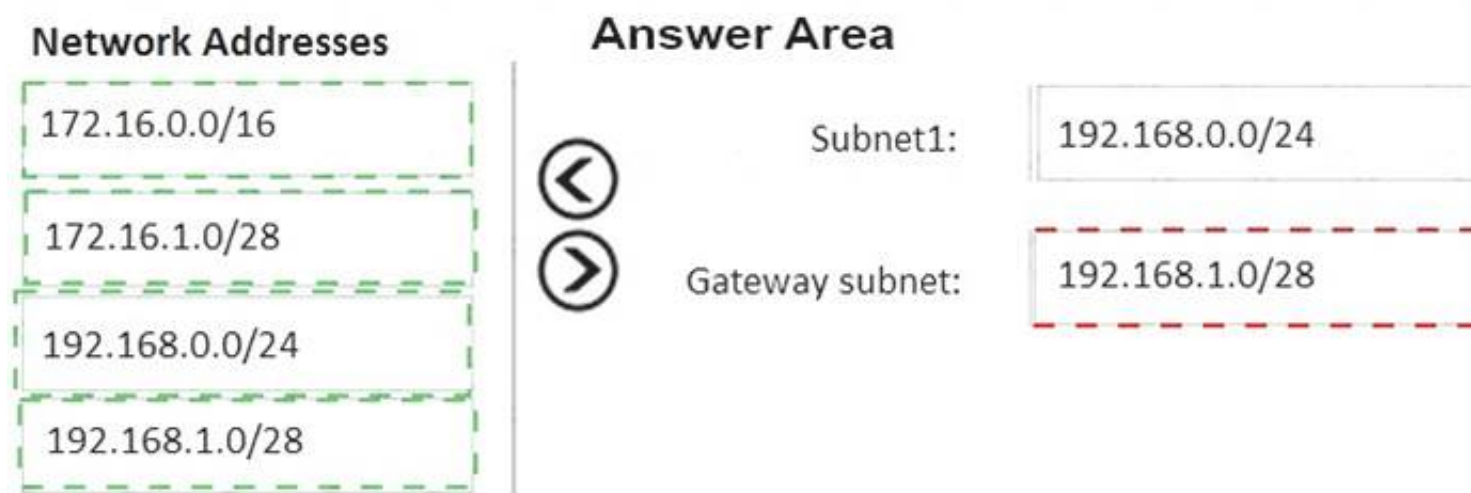
Gateway subnet:

Network address

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 34

- (Exam Topic 3)

You are designing a large Azure environment that will contain many subscriptions. You plan to use Azure Policy as part of a governance solution. To which three scopes can you assign Azure Policy definitions? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. management groups
- B. subscriptions
- C. Azure Active Directory (Azure AD) tenants
- D. resource groups
- E. Azure Active Directory (Azure AD) administrative units
- F. compute resources

Answer: ABD

Explanation:

Azure Policy evaluates resources in Azure by comparing the properties of those resources to business rules. Once your business rules have been formed, the policy definition or initiative is assigned to any scope of resources that Azure supports, such as management groups, subscriptions, resource groups, or individual resources.

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/overview>

NEW QUESTION 37

- (Exam Topic 3)

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 have an on-premises Hyper-V cluster that hosts 20 virtual machines. Some virtual machines run Windows Server 2016 and some run Linux.

You plan to migrate the virtual machines to an Azure subscription.

You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing an Azure Storage account and then running AzCopy. Does this meet the goal?

- A. Yes
- B. NO

Answer: B

Explanation:

AzCopy only copy files, not the disks. Instead use Azure Site Recovery. References:

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview>

NEW QUESTION 38

- (Exam Topic 3)

You are planning to deploy an application named App1 that will run in containers on Azure Kubernetes Service (AKS) clusters. The AKS clusters will be distributed across four Azure regions.

You need to recommend a storage solution for App1. Updated container images must be replicated automatically to all the AKS clusters.

Which storage solution should you recommend?

- A. Premium SKU Azure Container Registry
- B. Azure Content Delivery Network (CDN)
- C. geo redundant storage (GRS) accounts
- D. Azure Cache for Redis

Answer: A

Explanation:

Enable geo-replication for container images.

Best practice: Store your container images in Azure Container Registry and geo-replicate the registry to each AKS region.

To deploy and run your applications in AKS, you need a way to store and pull the container images. Container Registry integrates with AKS, so it can securely store your container images or Helm charts. Container Registry supports multimaster geo-replication to automatically replicate your images to Azure regions around the world.

Geo-replication is a feature of Premium SKU container registries. Note:

When you use Container Registry geo-replication to pull images from the same region, the results are: Faster: You pull images from high-speed, low-latency network connections within the same Azure region.

More reliable: If a region is unavailable, your AKS cluster pulls the images from an available container registry.

Cheaper: There's no network egress charge between datacenters. Reference:

<https://docs.microsoft.com/en-us/azure/aks/operator-best-practices-multi-region>

NEW QUESTION 39

- (Exam Topic 3)

A company has a hybrid ASP.NET Web API application that is based on a software as a service (SaaS) offering.

Users report general issues with the data. You advise the company to implement live monitoring and use ad hoc queries on stored JSON data. You also advise the company to set up smart alerting to detect anomalies in the data.

You need to recommend a solution to set up smart alerting. What should you recommend?

- A. Azure Application Insights and Azure Monitor Logs
- B. Azure Site Recovery and Azure Monitor Logs
- C. Azure Data Lake Analytics and Azure Monitor Logs
- D. Azure Security Center and Azure Data Lake Store

Answer: C

Explanation:

Application Insights, a feature of Azure Monitor, is an extensible Application Performance Management (APM) service for developers and DevOps professionals.

Use it to monitor your live applications. It will automatically detect performance anomalies, and includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview>

NEW QUESTION 40

- (Exam Topic 3)

You are designing an Azure resource deployment that will use Azure Resource Manager templates. The deployment will use Azure Key Vault to store secrets.

You need to recommend a solution to meet the following requirements:

Prevent the IT staff that will perform the deployment from retrieving the secrets directly from Key Vault. Use the principle of least privilege.

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

NOTE: Each correct selection is worth one point.

- A. Create a Key Vault access policy that allows all get key permissions, get secret permissions, and get certificate permissions.
- B. From Access policies in Key Vault, enable access to the Azure Resource Manager for template deployment.
- C. Create a Key Vault access policy that allows all list key permissions, list secret permissions, and list certificate permissions.
- D. Assign the IT staff a custom role that includes the Microsoft.KeyVault/Vaults/Deploy/Action permission.
- E. Assign the Key Vault Contributor role to the IT staff.

Answer: BD

Explanation:

B: To access a key vault during template deployment, set `enabledForTemplateDeployment` on the key vault to true.

D: The user who deploys the template must have the `Microsoft.KeyVault/vaults/deploy/action` permission for the scope of the resource group and key vault.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/key-vault-parameter> <https://docs.microsoft.com/en-us/azure/key-vault/general/overview-security>

NEW QUESTION 41

- (Exam Topic 3)

You have 100 servers that run Windows Server 2012 R2 and host Microsoft SQL Server 2012 R2 instances. The instances host databases that have the following characteristics:

- The largest database is currently 3 TB. None of the databases will ever exceed 4 TB.
- Stored procedures are implemented by using CLR.

You plan to move all the data from SQL Server to Azure.

You need to recommend an Azure service to host the databases. The solution must meet the following requirements:

- Whenever possible, minimize management overhead for the migrated databases.
- Minimize the number of database changes required to facilitate the migration.
- Ensure that users can authenticate by using their Active Directory credentials.

What should you include in the recommendation?

- A. Azure SQL Database single databases
- B. Azure SQL Database Managed Instance
- C. Azure SQL Database elastic pools
- D. SQL Server 2016 on Azure virtual machines

Answer: B

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance>

NEW QUESTION 43

- (Exam Topic 3)

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 have an Azure Storage v2 account named Storage1. You plan to archive data to Storage1.
You need to ensure that the archived data cannot be deleted for five years. The solution must prevent administrators from deleting the data.
Solution: You create a file share and snapshots. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead you could create an Azure Blob storage container, and you configure a legal hold access policy. References:
<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage>

NEW QUESTION 45

- (Exam Topic 3)

You are developing a web application that provides streaming video to users. You configure the application to use continuous integration and deployment.
The app must be highly available and provide a continuous streaming experience for users.
You need to recommend a solution that allows the application to store data in a geographical location that is closest to the user.
What should you recommend?

- A. Azure App Service Web Apps
- B. Azure App Service Isolated
- C. Azure Redis Cache
- D. Azure Content Delivery Network (CDN)

Answer: D

Explanation:

Azure Content Delivery Network (CDN) is a global CDN solution for delivering high-bandwidth content. It can be hosted in Azure or any other location. With Azure CDN, you can cache static objects loaded from Azure Blob storage, a web application, or any publicly accessible web server, by using the closest point of presence (POP) server. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network and routing optimizations.
References:
<https://docs.microsoft.com/en-in/azure/cdn/>

NEW QUESTION 48

- (Exam Topic 3)

You are designing a message application that will run on an on-premises Ubuntu virtual machine. The application will use Azure Storage queues.
You need to recommend a processing solution for the application to interact with the storage queues. The solution must meet the following requirements:

- Create and delete queues daily.
- Be scheduled by using a CRON job.
- Upload messages every five minutes.

What should developers use to interact with the queues?

- A. Azure CLI
- B. AzCopy
- C. Azure Data Factory
- D. .NET Core

Answer: D

Explanation:

Reference:
<https://docs.microsoft.com/en-us/azure/storage/queues/storage-tutorial-queues>

NEW QUESTION 53

- (Exam Topic 3)

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 have an on-premises Hyper-V cluster that hosts 20 virtual machines Some virtual machines run Windows Server 2016 and some run Linux

You plan to morale the virtual machine? to an Azure subscription

You need to recommend 9 solution 10 replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing a Recovery Services vault and then using Azure Site Recovery. Dees this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

Site Recovery can replicate on-premises VMware VMs, Hyper-V VMs, physical servers (Windows and Linux), Azure Stack VMs to Azure.

Note: Site Recovery helps ensure business continuity by keeping business apps and workloads running during outages. Site Recovery replicates workloads running on physical and virtual machines (VMs) from a primary site to a secondary location. When an outage occurs at your primary site, you fail over to secondary location, and access apps from there. After the primary location is running again, you can fail back to it.

References:
<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview>

NEW QUESTION 56

- (Exam Topic 3)

You have an Azure subscription that contains 100 virtual machines.

You plan to design a data protection strategy to encrypt the virtual disks.

You need to recommend a solution to encrypt the disks by using Azure Disk Encryption. The solution must provide the ability to encrypt operating system disks and data disks.

What should you include in the recommendation?

- A. a passphrase
- B. a certificate
- C. a key
- D. a secret

Answer: C

Explanation:

For enhanced virtual machine (VM) security and compliance, virtual disks in Azure can be encrypted. Disks are encrypted by using cryptographic keys that are secured in an Azure Key Vault. You control these cryptographic keys and can audit their use.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/encrypt-disks>

NEW QUESTION 57

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