AZ-304 Dumps

Microsoft Azure Architect Design (beta)

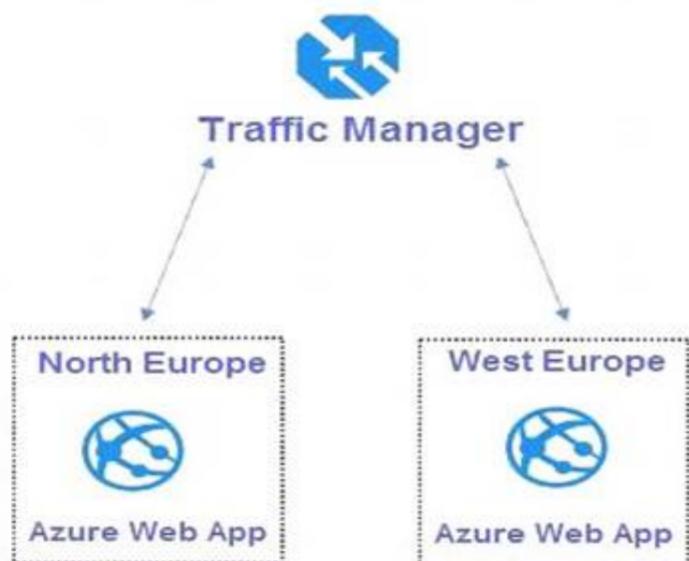# https://www.certleader.com/AZ-304-dumps.html

NEW QUESTION 1
- (Exam Topic 1)
You design a solution for the web tier of WebApp1 as shown in the exhibit.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Yes
Any new deployments to Azure must be redundant in case an Azure region fails.
Traffic Manager uses DNS to direct client requests to the most appropriate service endpoint based on a
traffic-routing method and the health of the endpoints. An endpoint is any Internet-facing service hosted inside or outside of Azure. Traffic Manager provides a
range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models. Traffic Manager is resilient to
failure, including the failure of an entire Azure region.
Box 2: Yes
Recent changes in Azure brought some significant changes in autoscaling options for Azure Web Apps (i.e. Azure App Service to be precise as scaling happens
on App Service plan level and has effect on all Web Apps running in that App Service plan).
Box 3: No
Traffic Manager provides a range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models.
Traffic Manager is resilient to failure, including the failure of an entire Azure region.
Reference:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview https://blogs.msdn.microsoft.com/hsirtl/2017/07/03/autoscaling-azure-web-apps/

NEW QUESTION 2
- (Exam Topic 1)
You need to recommend a strategy for the web tier of WebApp1. The solution must minimize What should you recommend?

A. Create a runbook that resizes virtual machines automatically to a smaller size outside of business hours.
B. Configure the Scale Up settings for a web app.
C. Deploy a virtual machine scale set that scales out on a 75 percent CPU threshold.
D. Configure the Scale Out settings for a web app.

Answer: D

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.	○	○
You must provision an Azure Storage account for the Web site content storage.	○	○
You must provision an Azure Storage account for the Database metric monitoring.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	○	○
You must provision an Azure Storage account for the Web site content storage.	○	○
You must provision an Azure Storage account for the Database metric monitoring.	○	○

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 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 design a solution for securing access to the historical transaction data.
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

The Azure Cosmos DB account will be used to:	▼
	Create users and generate resource tokens
	Create users and request resource tokens
	Generate resource tokens and perform authentication
	Request resource tokens and perform authentication

The .NET web service will be used to:	▼
	Create users and generate resource tokens
	Create users and request resource tokens
	Generate resource tokens and perform authentication
	Request resource tokens and perform authentication

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

The Azure Cosmos DB account will be used to:	▼
	Create users and generate resource tokens
	Create users and request resource tokens
	Generate resource tokens and perform authentication
	Request resource tokens and perform authentication

The .NET web service will be used to:	▼
	Create users and generate resource tokens
	Create users and request resource tokens
	Generate resource tokens and perform authentication
	Request resource tokens and perform authentication

NEW QUESTION 6
- (Exam Topic 2)
You need to recommend a solution for protecting the content of the payment processing system. What should you include in the recommendation?

A. Transparent Data Encryption (TDE)
B. Azure Storage Service Encryption
C. Always Encrypted with randomized encryption
D. Always Encrypted with deterministic encryption

Answer: D

NEW QUESTION 7
- (Exam Topic 2)
You need to recommend a backup solution for the data store of the payment processing. What should you include in the recommendation?

A. Microsoft System Center Data Protection Manager (DPM)
B. long-term retention
C. a Recovery Services vault
D. Azure Backup Server

Answer: B

Explanation:

References:
https://docs.microsoft.com/en-us/azure/sql-database/sql-database-long-term-backup-retention-configure

NEW QUESTION 8
- (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 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	Hash-based message authentication code (HMAC)
	Azure Managed Identity
	Role-Based Access Controls (RBAC)
	HTTPS encryption
Azure SQL	Hash-based message authentication code (HMAC)
	Azure Managed Identity
	Role-Based Access Controls (RBAC)
	HTTPS encryption
Cosmos DB	Hash-based message authentication code (HMAC)
	Azure Managed Identity
	Role-Based Access Controls (RBAC)
	HTTPS encryption

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)
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 10
- (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 13
- (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 17
- (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 18
- (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 20
- (Exam Topic 3)
You need to design a solution that will execute custom C# code in response to an event routed to Azure Event Grid. The solution must meet the following requirements:
The executed code must be able to access the private IP address of a Microsoft SQL Server instance that runs on an Azure virtual machine.
Costs must be minimized.
What should you include in the solution?

A. Azure Logic Apps in the integrated service environment
B. Azure Functions in the Dedicated plan and the Basic Azure App Service plan
C. Azure Logic Apps in the Consumption plan
D. Azure Functions in the Consumption plan

Answer: D

Explanation:
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.
For the Consumption plan, you don't have to pay for idle VMs or reserve capacity in advance. Connect to private endpoints with Azure Functions
As enterprises continue to adopt serverless (and Platform-as-a-Service, or PaaS) solutions, they often need a way to integrate with existing resources on a virtual network. These existing resources could be databases, file storage, message queues or event streams, or REST APIs.
Reference:
https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale https://techcommunity.microsoft.com/t5/azure-functions/connect-to-private-endpoints-with-azure-functions/ba-p

NEW QUESTION 25
- (Exam Topic 3)
Your company purchases an app named App1.
You plan to tun App1 on seven Azure virtual machines In an Availability Set. The number of fault domains is set to 3. The number of update domains is set to 20.
You need to identity how many App1 instances will remain available during a period of planned maintenance. How many Appl instances should you identify?

A. 1
B. 2
C. 6
D. 7

Answer: C

Explanation:
Only one update domain is rebooted at a time. Here there are 7 update domain with one VM each (and 13 update domain with no VM).
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/manage-availability

NEW QUESTION 27
- (Exam Topic 3)
Your company has users who work remotely from laptops.
You plan to move some of the applications accessed by the remote users to Azure virtual machines. The users will access the applications in Azure by using a point-to-site VPN connection. You will use certificates generated from an on-premises-based certification authority (CA).
You need to recommend which certificates are required for the deployment.
What should you include in the recommendation? To answer, drag the appropriate certificates to the correct targets. Each certificate 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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 28

- (Exam Topic 3)
You are designing an order processing system in Azure that will contain the Azure resources shown in the following table.

Name	Type	Purpose
App1	Web app	Processes customer orders
Function1	Function	Check product availability at vendor 1
Function2	Function	Check product availability at vendor 2
storage1	Storage account	Stores order processing logs

The order processing system will have the following transaction flow:

› A customer will place an order by using App1.

› When the order is received, App1 will generate a message to check for product availability at vendor 1 and vendor 2.

› An integration component will process the message, and then trigger either Function1 or Function2 depending on the type of order.

› Once a vendor confirms the product availability, a status message for App1 will be generated by Function1 or Function2.

› All the steps of the transaction will be logged to storage1.

Which type of resource should you recommend for the integration component? D18912E1457D5D1DDCBD40AB3BF70D5D
Which type of resource should you recommend for the integration component?

A. an Azure Data Factory pipeline
B. an Azure Service Bus queue
C. an Azure Event Grid domain
D. an Azure Event Hubs capture

Answer: A

Explanation:
A data factory can have one or more pipelines. A pipeline is a logical grouping of activities that together perform a task.
The activities in a pipeline define actions to perform on your data.
Data Factory has three groupings of activities: data movement activities, data transformation activities, and control activities.
Azure Functions is now integrated with Azure Data Factory, allowing you to run an Azure function as a step in your data factory pipelines.
Reference:
https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipelines-activities

NEW QUESTION 29
- (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 you configure an access policy. Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead of a file share, an immutable Blob storage is required.
Time-based retention policy support: Users can set policies to store data for a specified interval. When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired, blobs can be deleted but not overwritten.
Note: Set retention policies and legal holds
* 1. Create a new container or select an existing container to store the blobs that need to be kept in the immutable state. The container must be in a general-purpose v2 or Blob storage account.
* 2. Select Access policy in the container settings. Then select Add policy under Immutable blob storage.
* 3. To enable time-based retention, select Time-based retention from the drop-down menu.
* 4. Enter the retention interval in days (acceptable values are 1 to 146000 days). References:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutability-policies-manage

NEW QUESTION 34
- (Exam Topic 3)
Your company is designing a multi-tenant application that will use elastic pools and Azure SQL databases. The application will be used by 30 customers.
You need to design a storage solution for the application. The solution must meet the following requirements:

› Operational costs must be minimized.

› All customers must have their own database.

› The customer databases will be in one of the following three Azure regions: East US, North Europe, or South Africa North.

What is the minimum number of elastic pools and Azure SQL Database servers required? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Elastic pools:

1
3
6
10
30

Azure SQL Database servers:

1
3
6
10
30

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: 3
The server, its pools & databases must be in the same Azure region under the same subscription. Box 2: 3
A server can have up to 5000 databases associated to it.
Reference:
https://vincentlauzon.com/2016/12/18/azure-sql-elastic-pool-overview/

NEW QUESTION 39
- (Exam Topic 3)
You plan to deploy a network-intensive application to several Azure virtual machines. You need to recommend a solution that meets the following requirements:

≫ Minimizes the use of the virtual machine processors to transfer data

≫ Minimizes network latency
Which virtual machine size and feature should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Virtual machine size:

Compute optimized Standard_F8s
General purpose Standard_B8ms
High performance compute Standard_H16r
Memory optimized Standard_E16s_v3

Feature:

Receive side scaling (RSS)
Remote Direct Memory Access (RDMA)
Single root I/O virtualization (SR-IOV)
Virtual Machine Multi-Queue (VMMQ)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sizes-hpc#h-series

NEW QUESTION 44
- (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 49
......

Thank You for Trying Our Product

* 100% Pass or Money Back

> All our products come with a 90-day Money Back Guarantee.

* One year free update

> You can enjoy free update one year. 24x7 online support.

* Trusted by Millions

> We currently serve more than 30,000,000 customers.

* Shop Securely

> All transactions are protected by VeriSign!

100% Pass Your AZ-304 Exam with Our Prep Materials Via below:

https://www.certleader.com/AZ-304-dumps.html