



AZ-301^{Q&As}

Microsoft Azure Architect Design

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**QUESTION 1**

A company has deployed several applications across Windows and Linux Virtual machines in Azure. Log Analytics are being used to send the required data for alerting purposes for the Virtual Machines.

You need to recommend which tables need to be queried for security related queries.

Which of the following would you query for events from Linux system logging?

- A. Azure Activity
- B. Azure Diagnostics
- C. Event
- D. Syslog

Correct Answer: D

This is also given in the Microsoft documentation, wherein you would use the Syslog Table for the queries on events from Linux Virtual machines Note: Syslog is an event logging protocol that is common to Linux. Applications will send messages that may be stored on the local machine or delivered to a Syslog collector. When the Log Analytics agent for Linux is installed, it configures the local Syslog daemon to forward messages to the agent. The agent then sends the message to Azure Monitor where a corresponding record is created.

Reference: <https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-sources-syslog>

QUESTION 2**HOTSPOT**

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.

Hot 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

Correct Answer:

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

QUESTION 3

HOTSPOT

You have an Azure environment that contains the Azure subscription and the virtual networks shown in the following table.



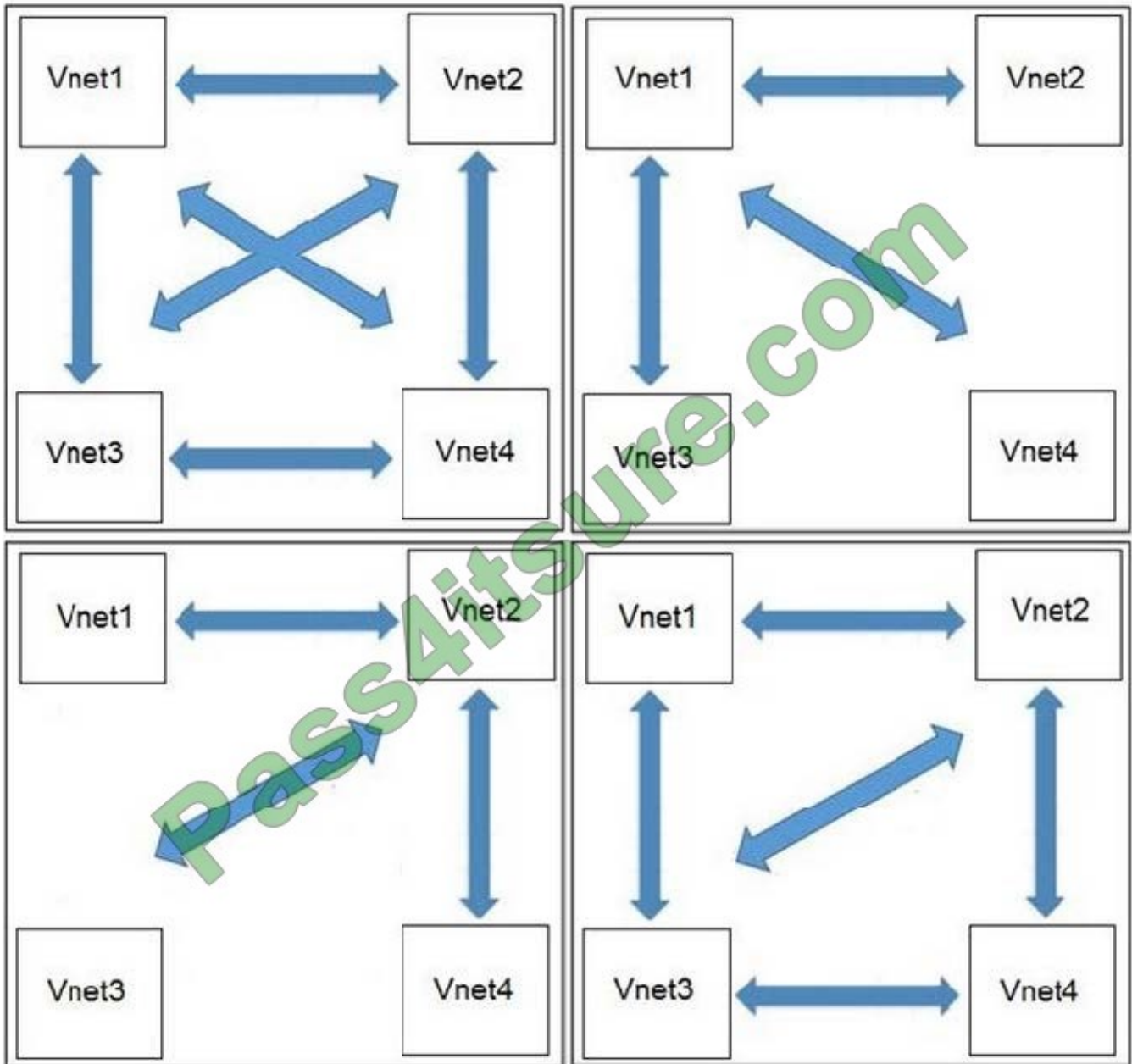
Virtual network name	Subscription name	Virtual network type
Vnet1	Subscription1	Classic mode
Vnet2	Subscription1	Resource Manager
Vnet3	Subscription1	Resource Manager
Vnet4	Subscription2	Resource Manager

You need to recommend a virtual network peering solution to ensure that the resources connected to any other virtual network. The solution must minimize administrative effort. Which virtual network peering topology should you recommend?

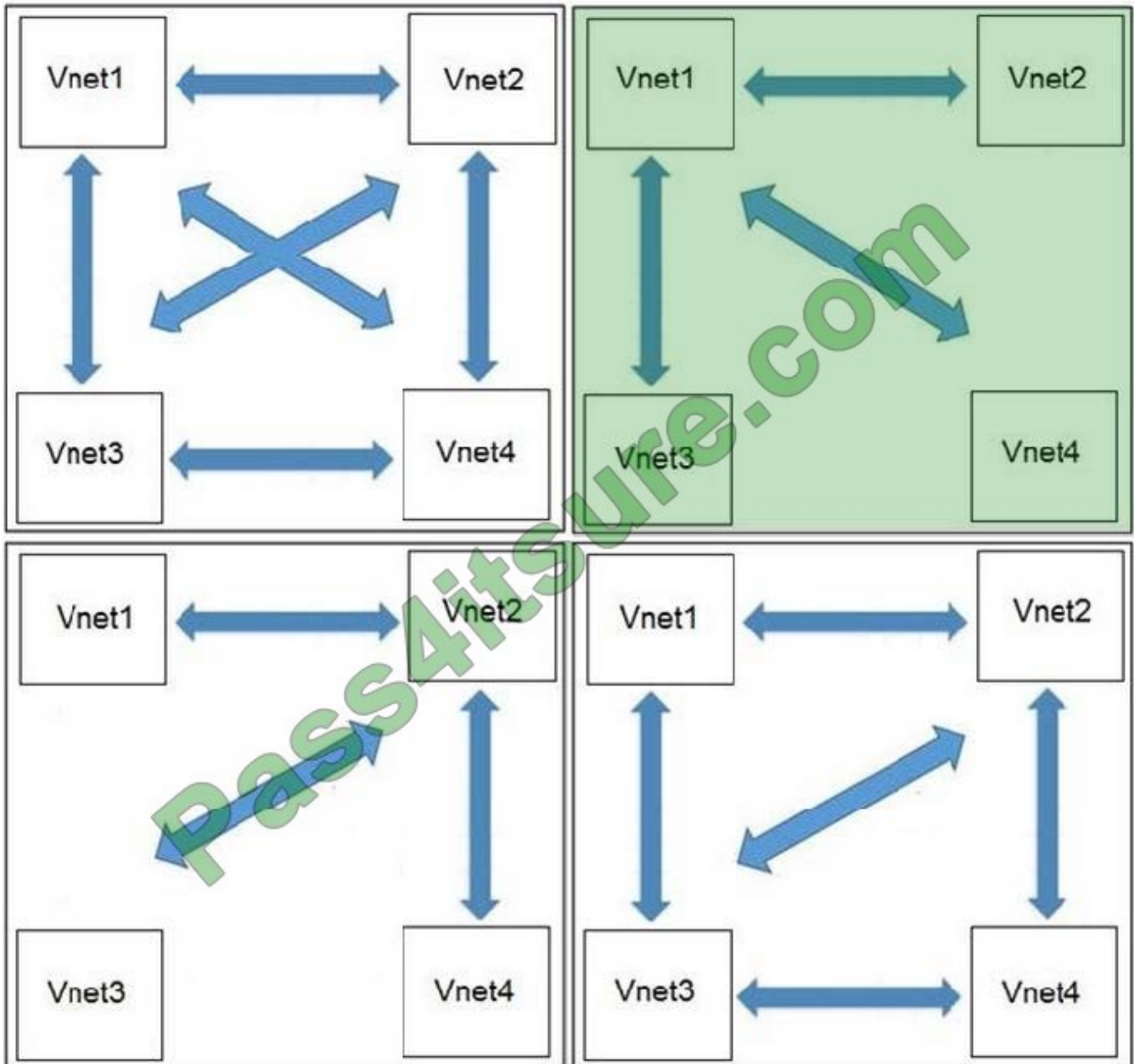
To answer, select the appropriate topology in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



QUESTION 4

Note: This question is a part of 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.

Your company has an on-premises Active Directory Domain Services (AD DS) domain and an established Azure Active Directory (Azure AD) environment.



Your company would like users to be automatically signed in to cloud apps when they are on their corporate desktops that are connected to the corporate network.

You need to enable single sign-on (SSO) for company users.

Solution: Install and configure an Azure AD Connect server to use password hash synchronization and select the Enable single sign-on option.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 5

Note: This question is a part of 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 designing a storage solution to support on-premises resources and Azure-hosted resources.

You need to provide on-premises storage that has built-in replication to Azure.

Solution: You include Azure Data Lake Storage in the design.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 6

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.

Hot 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	

Correct Answer:



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	

QUESTION 7

You have a hybrid deployment of Azure Active Directory (Azure AD).

You need to recommend a solution to ensure that the Azure AD tenant can be managed only from the computers on your on-premises network.

What should you include in the recommendation?

- A. Azure AD roles and administrators
- B. a conditional access policy
- C. Azure AD Application Proxy
- D. Azure AD Privileged Identity Management

Correct Answer: B

**QUESTION 8**

Note: This question is a part of 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 designing an Azure solution for a company that has four departments. Each department will deploy several Azure app services and Azure SQL databases.

You need to recommend a solution to report the costs for each department to deploy the app services and the databases. The solution must provide a consolidated view for cost reporting.

Solution: Create a new subscription for each department.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

Instead, create a resources group for each resource type. Assign tags to each resource

Note: Tags enable you to retrieve related resources from different resource groups. This approach is helpful when you need to organize resources for billing or management.

Reference: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-using-tags>

QUESTION 9

You plan to archive 10 TB of on-premises data files to Azure.

You need to recommend a data archival solution. The solution must minimize the cost of storing the data files.

Which Azure Storage account type should you include in the recommendation?

A. Premium Storage (general purpose v1)

B. Standard StorageV2 (general purpose v2)

C. Standard Storage (general purpose v1)

D. Premium StorageV2 (general purpose v2)

Correct Answer: B

Standard StorageV2 supports the Archive access tier, which would be the cheapest solution.

Incorrect Answers:



A, D: Each Premium storage account offers 35 TB of disk and 10 TB of snapshot capacity

References:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-introduction>

QUESTION 10

HOTSPOT

You are designing a software as a service (SaaS) application that will enable Azure Active Directory (Azure AD) users to create and publish surveys. The SaaS application will have a front-end web app and a back-end web API. The web app will rely on the web API to handle updates to customer surveys.

You need to design an authorization flow for the SaaS application. The solution must meet the following requirements:

1.

To access the back-end web API, the web app must authenticate by using OAuth 2 bearer tokens.

2.

The web app must authenticate by using the identities of individual users.

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.

Hot Area:

The access tokens will be generated by:

<input type="checkbox"/>	Azure AD
<input type="checkbox"/>	A web app
<input type="checkbox"/>	A web API

Authorization decisions will be performed by:

<input type="checkbox"/>	Azure AD
<input type="checkbox"/>	A web app
<input type="checkbox"/>	A web API

Correct Answer:



The access tokens will be generated by:

Azure AD
A web app
A web API

Authorization decisions will be performed by:

Azure AD
A web app
A web API

Reference: <https://docs.microsoft.com/lb-lu/azure/architecture/multitenant-identity/web-api>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/quickstart-v1-dotnet-webapi>

QUESTION 11

You have an Azure subscription.

You need to recommend a solution to provide developers with the ability to provision Azure virtual machines. The solution must meet the following requirements:

1.

Only allow the creation of the virtual machines in specific regions.

2.

Only allow the creation of specific sizes of virtual machines. What should include in the recommendation?

- A. conditional access policies
- B. Azure Policy
- C. Azure Resource Manager templates
- D. role-based access control (RBAC)

Correct Answer: B

QUESTION 12

You need to recommend a compute solution for the middle tier of the payment processing system. What should you include in the recommendation?

- A. Azure Kubernetes Service (AKS)
- B. virtual machine scale sets



C. availability sets

D. App Service Environments (ASEs)

Correct Answer: B

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