

Microsoft

Exam Questions AZ-301

Microsoft Azure Architect Design



NEW QUESTION 1

- (Exam Topic 1)

You need to recommend a data storage strategy for WebApp1. What should you include in in the recommendation?

- A. an Azure SQL Database elastic pool
- B. a vCore-baswl A/we SQL database
- C. an Azure virtual machine that runs SQL Server
- D. a fixed-size DTU AzureSQL database.

Answer: D

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 2)

You use Azure virtual machines to run a custom application that uses an Azure SQL database on the back end. The IT apartment at your company recently enabled forced tunneling,

Since the configuration change, developers have noticed degraded performance when they access the database

You need to recommend a solution to minimize latency when accessing the database. The solution must minimize costs

What should you include in the recommendation? .

- A. Azure SQL Database Managed instance
- B. Azure virtual machines that run Microsoft SQL Server servers
- C. Always On availability groups
- D. virtual network service endpoint

Answer: D

NEW QUESTION 4

- (Exam Topic 2)

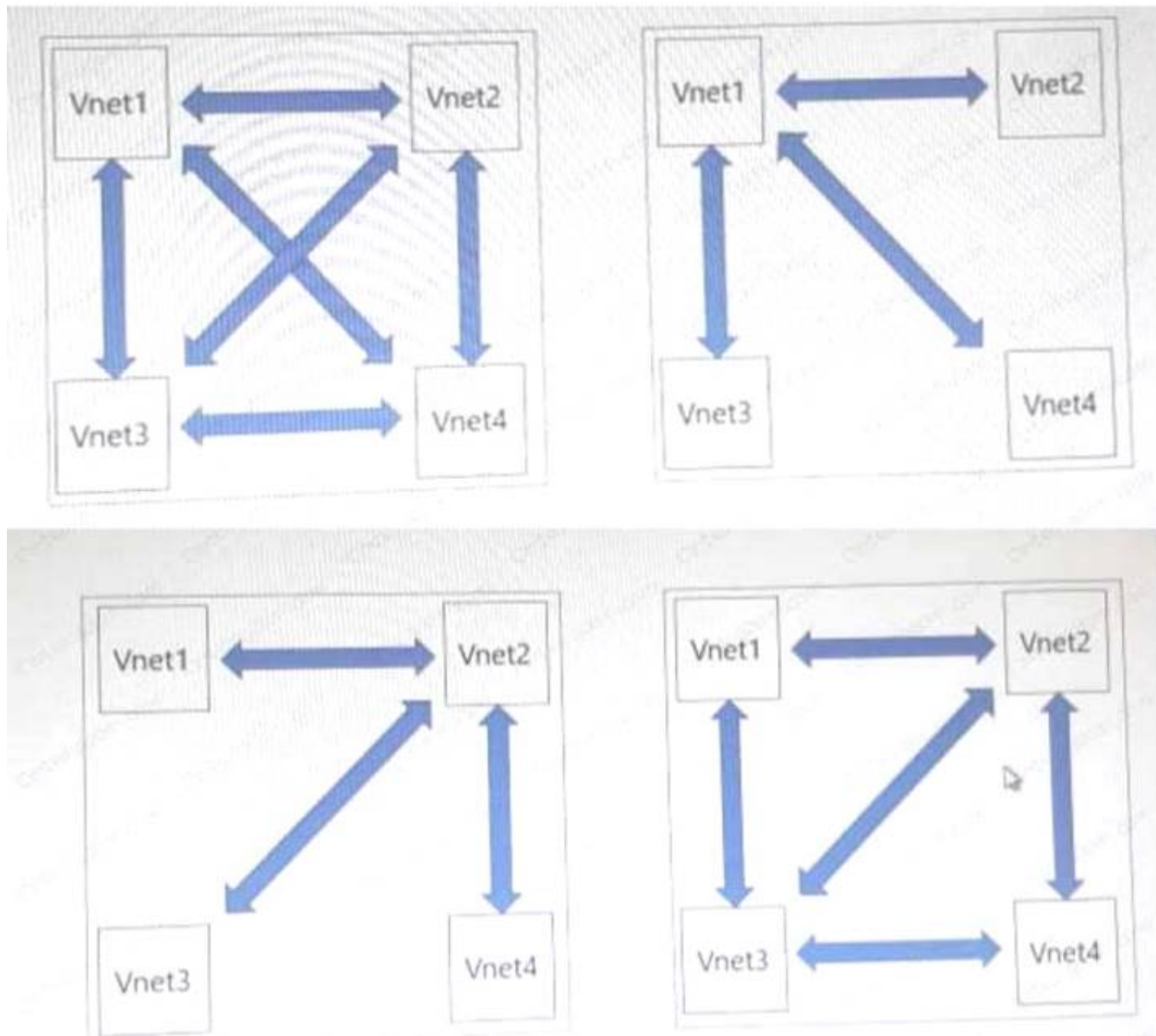
You have an Azure environment that contains the Azure subscription and the virtual networks shown in the following table.

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.

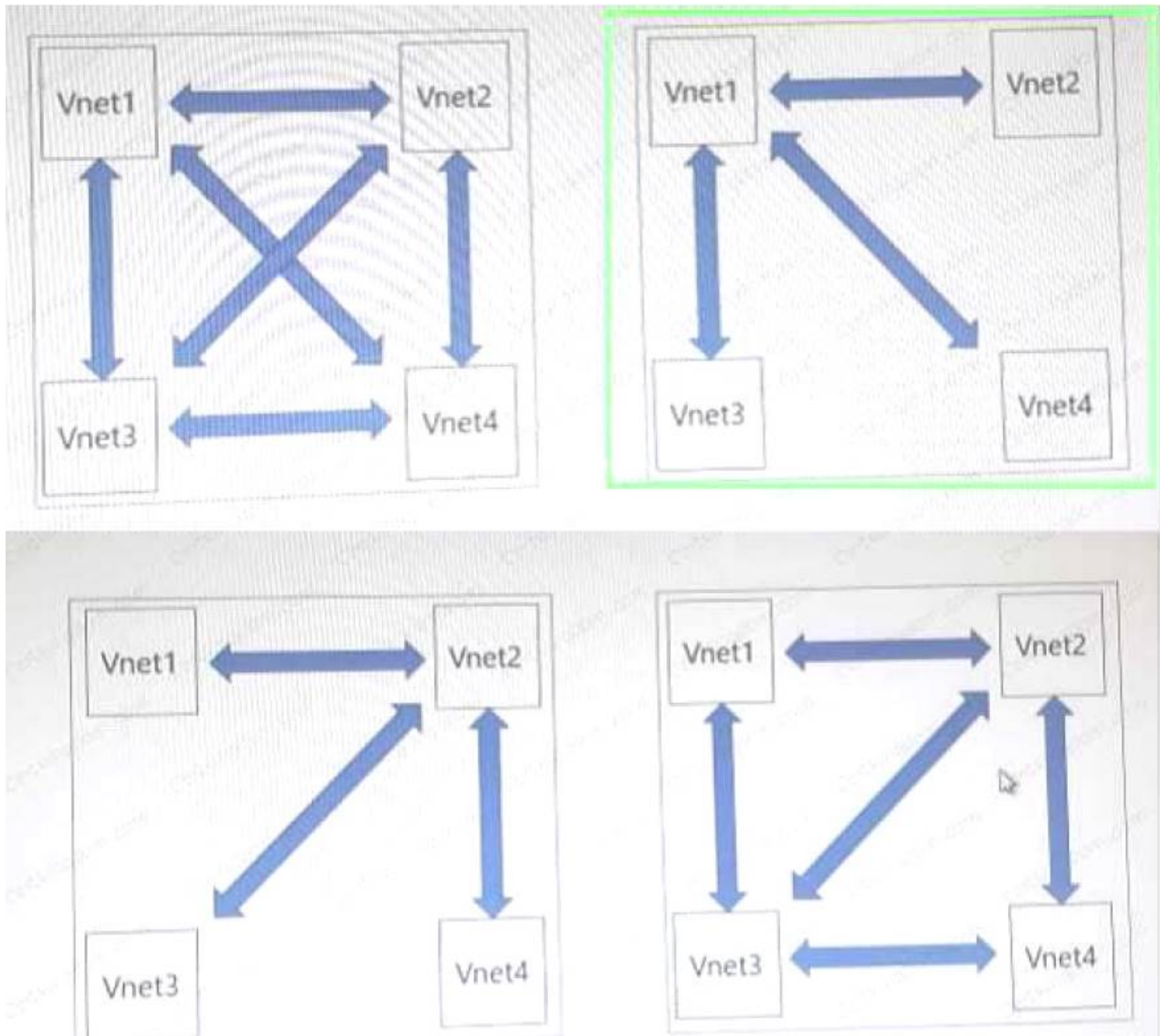
NOTE: Each correct selection is worth one point,



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 5

- (Exam Topic 2)

Your company has 300 virtual machines hosted in a VMWare environment. The virtual machines vary in size and have various utilization levels.

You plan to move all the virtual machines to Azure.

You need to recommend how many and what size Azure virtual machines will be required to move the current workloads to Azure. The solution must minimize administrative effort.

What should you use to make the recommendation?

- A. Azure Cost Management
- B. Azure Migrate
- C. Azure pricing calculator
- D. Azure Advisor recommendations

Answer: A

NEW QUESTION 6

- (Exam Topic 2)

You have an Azure Contoso DB account named Account1 that has one write region and four read regions. You need to recommend a solution to ensure that, by default, any reads containers in Account1 will never see out writes. The solution must minimize costs.

What should you recommend?

- A. Configure Account1 to use the Strong consistency level.
- B. Create all the containers in Account1 as fixed.
- C. Create all the containers in Account1 as unlimited.
- D. Configure Account 1 to use the Consistent Prefix consistency level

Answer: A

NEW QUESTION 7

- (Exam Topic 2)

Note: This question is 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 have an Azure subscription named Project1. Only a group named Project1admins is assigned roles in the Project1 subscription. The Project1 subscription contains all the resources for an application named Application1.

Your company is developing a new application named Application2. The members of the Application2 development team belong to an Azure Active Directory (Azure AD) group named App2Dev.

You identify the following requirements for Application2:

The members of App2Dev must be prevented from changing the role assignments in Azure.

The members of App2Dev must be able to create new Azure resources required by Application2.

All the required role assignments for Application2 will be performed by the members of Project1admins.

You need to recommend a solution for the role assignments of Application2.

Solution: Create a new Azure subscription named Project2. Assign Project1admins the Owner role for the Project2 subscription. Assign App2Dev the Contributor role for the Project2 subscription.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 8

- (Exam Topic 2)

You have an on-premises Active Directory forest and an Azure Active Directory (Azure AD) tenant. All Azure AD users are assigned a Premium P1 license.

You deploy Azure AD Connect.

Which two features are available in this environment that can reduce operational overhead for your company's help desk? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Azure AD Privileged Identity Management policies
- B. access reviews
- C. self-service password reset
- D. Microsoft Cloud App Security Conditional Access App Control
- E. password writeback

Answer: CE

NEW QUESTION 9

- (Exam Topic 2)

Your company has several Azure subscriptions that are part of a Microsoft Enterprise Agreement? The company's compliance team creates automatic alerts by using Ware Monitor.

You need to recommend a solution to apply the alerts automatically when new subscriptions are added to the Enterprise agreement.

What should you include in the recommendation?

- A. Azure Pokey
- B. Azure Resource Manager templates
- C. Azure log Analytics alerts
- D. Azure Monitor action groups
- E. Azure Automation runboote

Answer: D

NEW QUESTION 10

- (Exam Topic 2)

Your company has an on-premises Windows HPC cluster. The cluster runs an intrinsically parallel, compute-intensive workload that performs financial risk modelling.

You plan to migrate the workload to Azure Batch.

You need to design a solution that will support the workload. The solution must meet the following requirements:

Support the large-scale parallel execution of Azure Batch jobs.

Minimize cost.

What should you include in the solution?

- A. Basic A-series virtual machines
- B. low-priority virtual machines
- C. burstable virtual machines
- D. Azure virtual machine sizes that support the Message Passing Interface (MPI) API

Answer: B

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/batch/batch-technical-overview>

NEW QUESTION 10

- (Exam Topic 2)

You plan to deploy 200 Microsoft SQL Server databases to Azure by using SQL Database and Azure SQL Database Managed Instance.

You need to recommend a monitoring solution that provides a consistent monitoring approach for all deployments The solution must meet the following requirements: Support current-state analysis on metrics collected near -real-time multiple times per minutes and maintained for up to one hour.

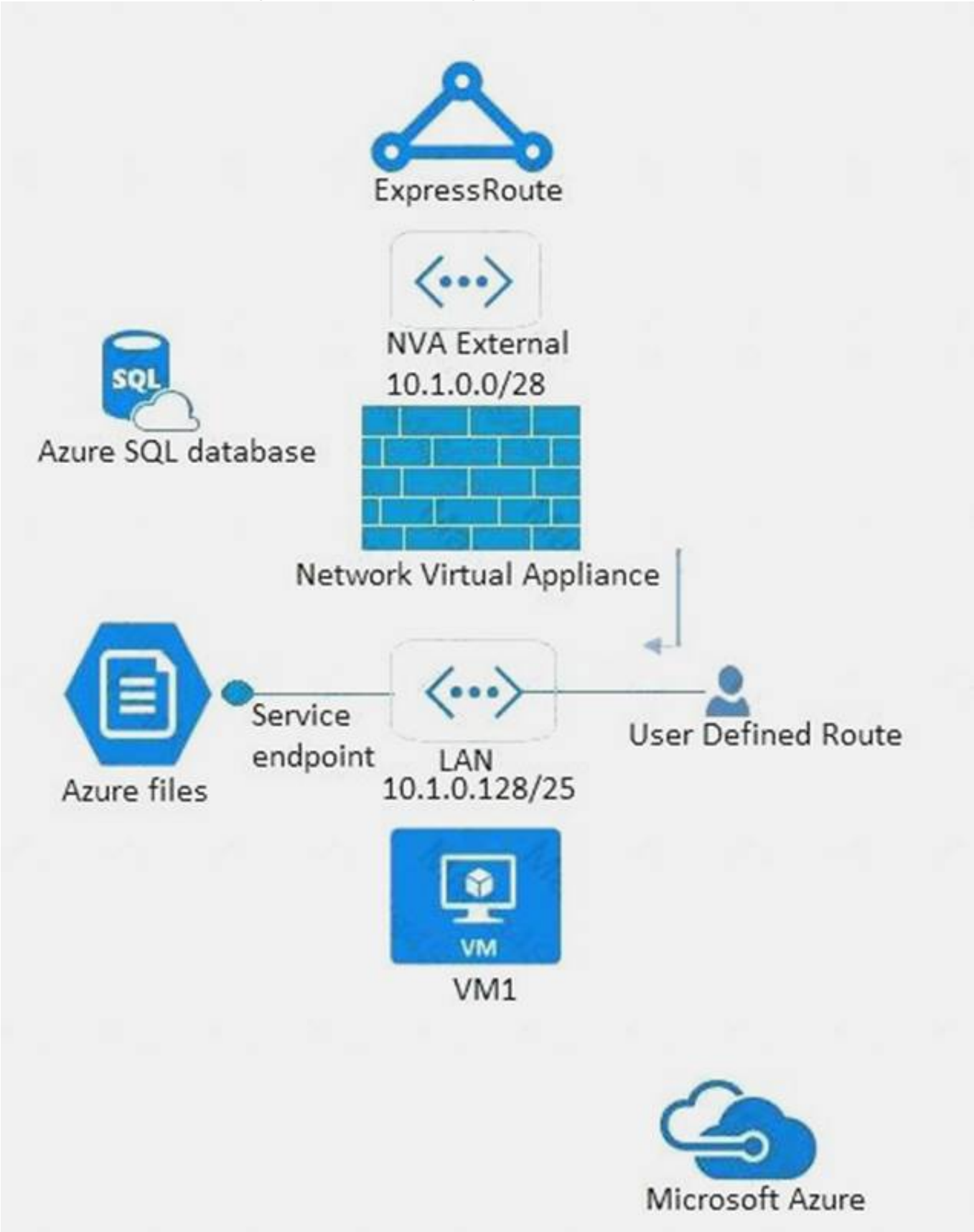
Support longer term analysis based on metrics collected multiple timer per hour and maintained for up two weeks.
Support monitoring of the number of concurrent logins and concurrent sessions. What should you include in the recommendation?

- A. Azure Monitor
- B. dynamic management views
- C. SQL Server-Profiler
- D. trace flags

Answer: D

NEW QUESTION 15

- (Exam Topic 2)
You have the network topology shown in the following exhibit.



You have a user-defined route that has a default route of 0.0.0.0/0 and the next hop set to the network virtual appliance. You configure the Azure Storage account to use virtual network service endpoints. 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
From VM1, traffic destined to the Azure Key Management Service will be routed to the network virtual appliance.	<input type="radio"/>	<input type="radio"/>
From VM1, traffic destined to the Azure file share will be routed to the Internet.	<input type="radio"/>	<input type="radio"/>
From VM1, traffic destined to the Azure SQL database will be routed to the Internet.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview>

NEW QUESTION 20

- (Exam Topic 2)

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

- Ensures that application can access the data by using a REST connection
- Hosts 20 independent tables of varying sizes and usage patterns
- Automatically replicates the data to a second Azure region
- Minimizes costs

What should you recommend?

- A. an Azure SQL Database elastic database pool that uses active geo-replication
- B. tables in an Azure Storage account that uses geo-redundant storage (GRS)
- C. tables in an Azure Storage account that use read-access geo-redundant storage (RA-GR)
- D. an Azure SQL database that uses active geo-replication

Answer: C

NEW QUESTION 24

- (Exam Topic 2)

You have 100 Microsoft SQL Server Integration Services (SSIS) packages that are configured to use 10 on-premises SQL Server databases as their destinations.

You plan to migrate the 10 on-premises databases to Azure SQL Database. You need to recommend a solution to host the SSIS packages in Azure.

The solution must ensure that the packages can target the SQL Database instances as the destinations. What should you include in the recommendation?

- A. Azure Data Catalog
- B. SQL Server Migration Assistant (SSMS)
- C. Data Migration Assistant
- D. Azure Data Factory

Answer: A

NEW QUESTION 29

- (Exam Topic 3)

You need to recommend a solution for implementing the back-end tier of the payment processing system in Azure.

What should you include in the recommendation?

- A. an Azure SQL Database managed instance
- B. a SQL Server database on an Azure virtual machine
- C. an Azure SQL Database single database
- D. an Azure SQL Database elastic pool

Answer: C

NEW QUESTION 31

- (Exam Topic 3)

You need to recommend a solution for the network configuration of the front-end tier of the payment processing.

What should you include in the recommendation?

- A. Azure Application Gateway
- B. Traffic Manager
- C. a Standard Load Balancer
- D. a Basic load Balancer

Answer: B

NEW QUESTION 35

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