Exam Questions AZ-301

Microsoft Azure Architect Design

https://www.2passeasy.com/dumps/AZ-301/

NEW QUESTION 1
- (Exam Topic 1)
You need to recommend a solution to meet the database retention requirement. What should you recommend?

A. Configure a long-term retention policy for the database.
B. Configure Azure Site Recovery.
C. Configure geo replication of the database.
D. Use automatic Azure SQL Database backups.

Answer: A

NEW QUESTION 2
- (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 SQLServer 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: C

NEW QUESTION 3
- (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 4
- (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 5
- (Exam Topic 2)
You store web access logs data in Azure Blob storage. You plan to generate monthly reports from the access logs.
You need to recommend an automated process to upload the data to Azure SQL Database every month. What should you include in the recommendation?

A. Microsoft SQL Server Migration Assistant (SSMA)
B. Azure Data Factory
C. Data Migration Assistant
D. AzCopy

Answer: C

NEW QUESTION 6
- (Exam Topic 2)
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:
 To access the back-end web API, the web app must authenticate by using OAuth 2 bearer tokens.
 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.

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 |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
References:
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

NEW QUESTION 7
- (Exam Topic 2)
You are designing a virtual machine that will run Microsoft SQL Server and will contain two data disks. The first data disk will store log files, and the second data disk will store data. Both disks are P40 managed disks.
You need to recommend a caching policy for each disk. The policy must provide the best overall performance for the virtual machine.
Which caching policy should you recommend for each disk? To answer, drag the appropriate policies to the correct disks. Each policy 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:
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-sql-performan

NEW QUESTION 8
- (Exam Topic 2)
You have an Azure subscription that contains an Azure Cosmos DB account.
You need to recommend a solution to generate an alert from Azure Log Analytics when a request charge for a query exceeds 50 request units more than 20 times within a 15-minute window.
What should you recommend?

A. Create a search query to identify when requestCharge_s exceeds 50. Configure an alert threshold of 20 and a period of 15.
B. Create a search query to identify when duration_s exceeds 20 and requestCharge_s exceeds 50.Configure a period of 15.
C. Create a search query to identify when requestCharge_s exceeds 20. Configure a period of 15 and a frequency of 20.
D. Create a search query to identify when duration_s exceeds 20. Configure a period of 15.

Answer: A

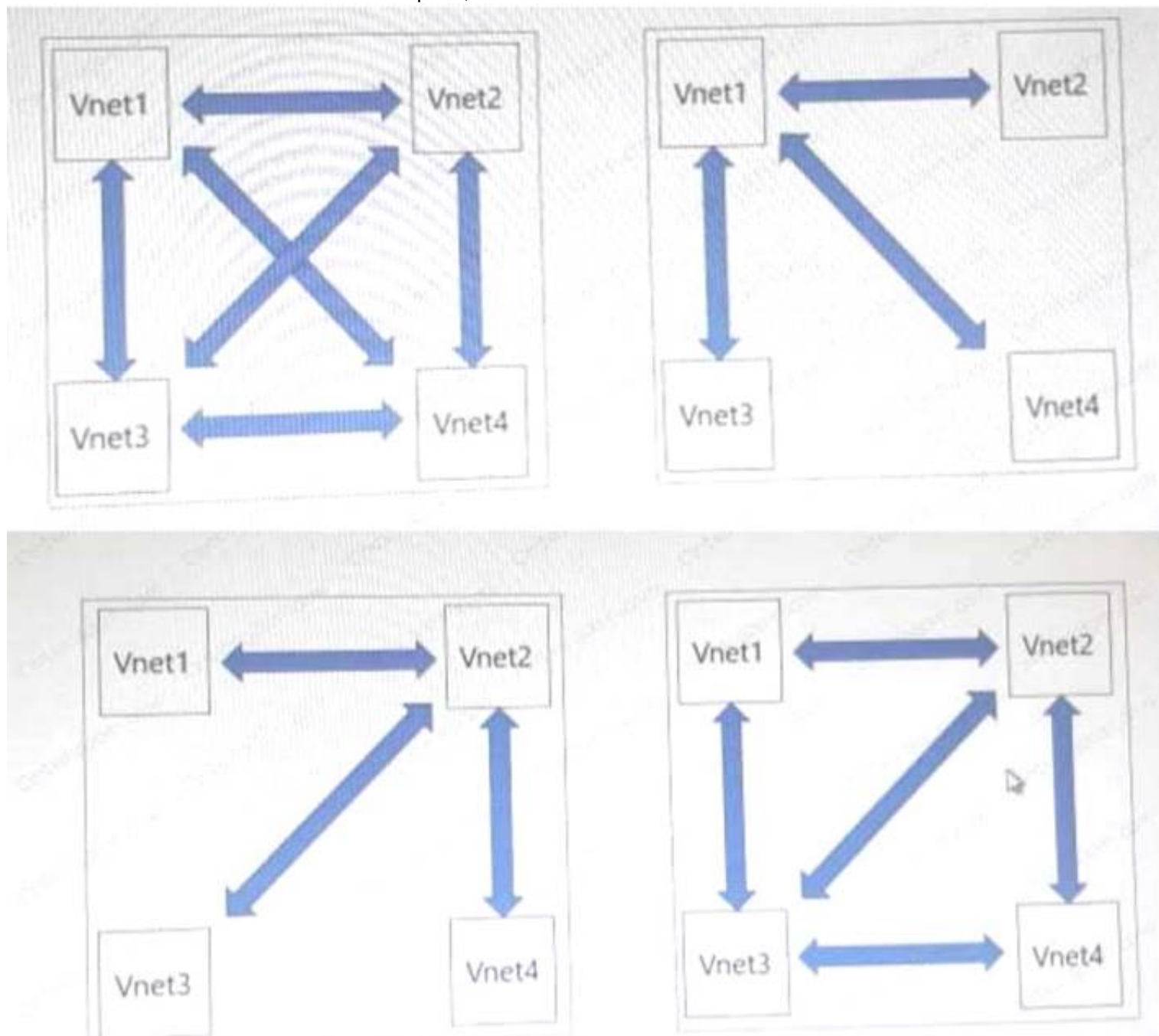**NEW QUESTION 9**
- (Exam Topic 2)
You have an Azure environment that contains the Azure subscription and the virtual networks shown in the following table.

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.
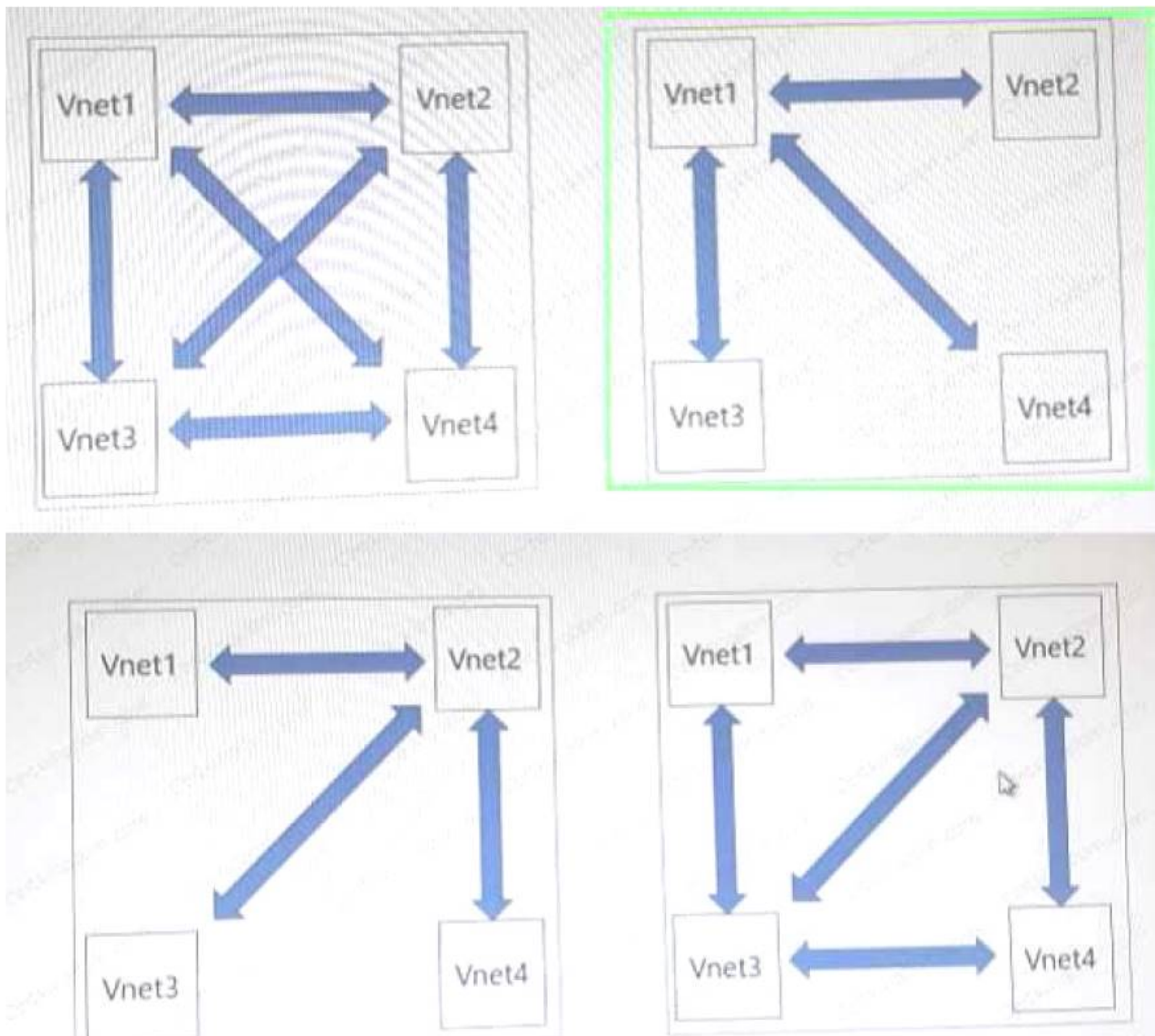
NOTE: Each correct selection is worth one point,

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 10
- (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 that contains a resource group named RG1.
You create an Azure Active Directory (Azure AD) group named ResearchUsers that contains the user accounts of all researchers.
You need to recommend a solution that meets the following requirements:
  The researchers must be allowed to create Azure virtual machines.
  The researchers must only be able to create Azure virtual machines by using specific Azure Resource
Manager templates.
Solution: Create a lab in Azure DevTest Lab. Configure the DevTest Labs settings. Assign the DevTest Labs User role to the ResearchUsers group.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 10
- (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 that contains a resource group named RG1.
You create an Azure Active Directory (Azure AD) group named ResearchUsers that contains the user accounts of all researchers.
You need to recommend a solution that meets the following requirements:
  The researchers must be allowed to create Azure virtual machines.
  The researchers must only be able to create Azure virtual machines by using specific Azure Resource Manager templates.
Solution: Create an Azure DevOps Project. Configure the DevOps Project settings. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 14
- (Exam Topic 2)
You are designing a data protection strategy for Azure virtual machines. All the virtual machines are in the Standard tier and use managed disks.
You need to recommend a solution that meets the following requirements:
 The use of encryption keys is audited.
 All the data is encrypted at rest always.
 You manage the encryption keys, not Microsoft.
What should you include in the recommendation?

A. BitLocker Drive Encryption (BitLocker)
B. Azure Storage Service Encryption
C. client-side encryption
D. Azure Disk Encryption

Answer: D

Explanation:
References:
https://docs.microsoft.com/en-us/azure/security/azure-security-disk-encryption-overview

NEW QUESTION 18
- (Exam Topic 2)
You are designing an Azure solution for a company that wants to move a .NET Core web application an on-premises data center to Azure. The web application relies on a Microsoft SQL Server 2016 database on Windows Server 2016. The database server will not move to Azure.
A separate networking team is responsible for configuring network permissions.
The company uses Azure ExpressRoute and has an ExpressRoute gateway connected to an Azure virtual network named VNET1.
You need to recommend a solution for deploying the web application.
Solution: Deploy the web application to a web app hosted in an Isolated App Service plan on VNET1. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 20
- (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: In Project1, create a resource group named Application2RG. Assign Project1admins the Owner role for Application2RG. Assign App2Dev the Contributor role for Application2RG.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 22
- (Exam Topic 2)
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

NEW QUESTION 26

- (Exam Topic 2)
Your development team plans to use an Azure subcription to test new applications. The application will reside on Azure virtual machines. The developers will be responsible for managing the subscription shared resources will be used by more than one appliacation.
You need to recommend a deplyment solution that meets the following requirements: Minimize administration effort for the develops
Ensures that the testing environment can be recreated consistently
Ensures that the testing cycle is complete, all the resources, except for the shared resources associated to each application are deleted
What should you include in the recommendation?

A. Use JSON templates to create the resource
B. Place the shared resources in one resource group, the application-specific resources in separate resource group.
C. Use JSON templates to create the resource
D. Place the shared resources in one resource group- Place all the application -.pacific in a resources in second resource group
E. Use an Azure PowerShell script lo create the resource
F. Place the shared resources .and the application-specific resources in the resources group.
G. Use an Azure PowerShell script to create the resource
H. Place the shared resources in one resource group Place the application-specific resources in separate resources groups.

Answer: B

NEW QUESTION 30
- (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 User Access Administrator role for the Project2 subscription. Assign App2Dev the Owner role for the Project2 subscription.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 32
- (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 35
- (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 37
- (Exam Topic 2)
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

Answer: B

NEW QUESTION 39
- (Exam Topic 2)
Your network contains an on-premises Active Directory forest.
You discover that when users change jobs within your company, the membership of the user group are not updated. As a result the users can resources that are no longer relevant to their job.
You plan to integrate Active Directory and Azure Active Directory (Azure AD) by using Azure AD Connect
You need to recommend a solution to ensure that group owners are emailed monthly m** the group membership they manage.
What should you include in the recommendation?

A. Azure AD Identify Protection
B. Tenant Restrictions
C. Azure AD access reviews
D. conditional access policies

Answer: C

Explanation:
 References:
https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview

NEW QUESTION 41
- (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 42
- (Exam Topic 2)
You have 100 Microsoft SQL Server Integration Services (SSISJ packages that are configuted to use 10 on-premrees SQ1 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 SS1S packages in Azure.
The solution must ensure that the packages can target the SQL Database instances as the* destinations. What should you include m the recommendation?

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

Answer: A

NEW QUESTION 47
- (Exam Topic 2)
You are planning the implementation of an order processing web service that will contain microservices hosted in an Azure Service Fabric cluster.
You need to recommend a solution to provide developers with the ability to proactively identify and fix performance issues. The developers must be able to simulate user connections to the order processing web service from the Internet, as well as simulate user transactions. The developers must be notified if the goals for the transaction response times are not met.
What should you include in the recommendation?

A. container health
B. Azure Network Watcher
C. Application Insights
D. Service Fabric Analytics

Answer: C

NEW QUESTION 48
- (Exam Topic 2)
You have an on-premises deployment of MongoDB.
You plan to migrate MongoDB to an Azure Cosmos DB account that uses the MongoDB API. You need to recommend a solution for migrating MongoDB to Azure Cosmos DB.
What should you include in the recommendation?

A. mongorestore

B. Data Migration Assistant
C. Azure Storage Explorer
D. Azure Cosmos DB Data Migration Tool

Answer: A

Explanation:
 References:
https://docs.microsoft.com/en-us/azure/cosmos-db/mongodb-migrate

NEW QUESTION 50
- (Exam Topic 3)
You need to recommend a solution for the collection of security logs the middle tier of the payment processing system.
What should you include in the recommendation?

A. Azure Notification Hubs
B. the Azure Diagnostics agent
C. Azure Event Hubs
D. the Azure Log Analytics agent

Answer: D

Explanation:
 References:
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/diagnostics-extension-overview

NEW QUESTION 55
- (Exam Topic 3)
You need to recommend a high-availability solution for the middle tier of the payment processing system. What should you include in the recommendation?

A. availability zones
B. an availability set
C. the Premium App Service plan
D. the Isolated App Server plan

Answer: A

NEW QUESTION 56
- (Exam Topic 3)
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)

A. long-term retention
B. a Recovery Services vault
C. 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 59
......

THANKS FOR TRYING THE DEMO OF OUR PRODUCT

Visit Our Site to Purchase the Full Set of Actual AZ-301 Exam Questions With Answers.

We Also Provide Practice Exam Software That Simulates Real Exam Environment And Has Many Self-Assessment Features. Order the AZ-301 Product From:

https://www.2passeasy.com/dumps/AZ-301/

Money Back Guarantee

AZ-301 Practice Exam Features:

* AZ-301 Questions and Answers Updated Frequently

* AZ-301 Practice Questions Verified by Expert Senior Certified Staff

* AZ-301 Most Realistic Questions that Guarantee you a Pass on Your FirstTry

* AZ-301 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year