Exam Questions AZ-301

Microsoft Azure Architect Design

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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 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 2
- (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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 3
- (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 4
- (Exam Topic 2)
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 5
- (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 6
- (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.

Policies

| None |
| ReadOnly |
| ReadWrite |

Answer Area

Log: Policy

Data: Policy

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 7
- (Exam Topic 2)
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 8
- (Exam Topic 2)
You manage a single-domain, on-premises Active Directory for named contoso.com. The forest functional level is window Server 2016.
You have several on-premises applications that depend on Active Directory. You plan to migrate the applications to Azure.
You need to recommend an identity solution for the appkcatkms. The solution mufl meet the following requirements:
• Eliminate the need for hybrid network connectivity
• Minimize management overhead for Active Directory. What should you recommend?

A. In Azure, deploy additional domain controllers for the contoso.com domain
B. In Azure, deploy an additional child domain to the contoso.com forest.
C. Implement Azure Active Directory Domain Services (Azure AD DS).
D. Implement a new Acuve Directory forest in Azure.

Answer: A

NEW QUESTION 9
- (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 m Account1 as fixed.
C. Create all the containers m Account1 as unlimited.
D. Configure Account 1 to use the Consistent Prefix consistency level

Answer: A

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 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 10
- (Exam Topic 2)
You have an on-premises network that uses on IP address space of 172.16.0.0/16 You plan to deploy 25 virtual machines to a new azure subscription.
You identity 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 severs.
 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.
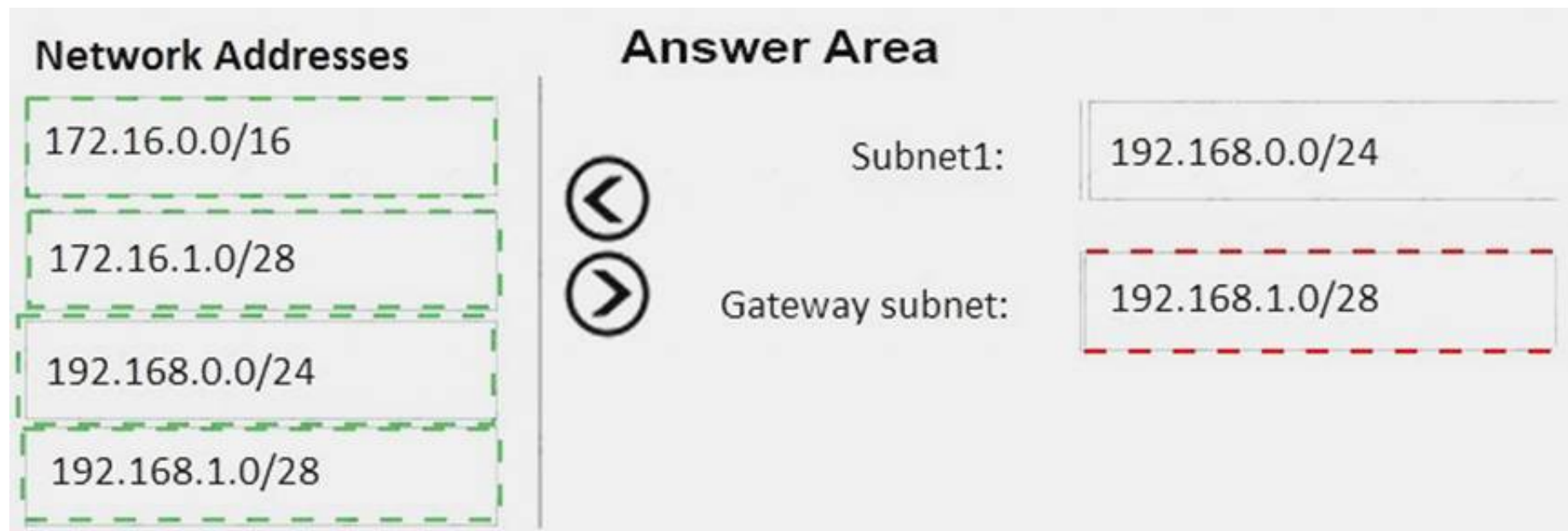NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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: 192.168.0.0/24

Gateway subnet: 192.168.1.0/28

NEW QUESTION 12
- (Exam Topic 2)
You have .NeT web service named service1 that has the following requirements.
 Must read and write to the local file system.
 Must write to the Windows Application event log.
You need to recommend a solution to host Service1 in Azure .
The solution must meet the following requirements:
 Minimize maintenance overhead.
 Minimize costs.
What should you include in the recommendation?

A. an Azure web app
B. Azure function
C. an App service Environment
D. an Azure virtual machine scale set

Answer: B

NEW QUESTION 14
- (Exam Topic 2)
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 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 it an Azure legion fails.
• Grant administrators access to the operating system to install custom application dependencies. Solution: You deploy a web app in an Isolated App Service plan.
Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 16
- (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 19
- (Exam Topic 2)
Your company identifies the following business continuity and disaster recovery objectives for virtual machines that host sales, finance, and reporting application in the company's on-premises data center.
•The finance application requires that data be retained for seven years. In the event ot a disaster, the application must be able to run from Azure. The recovery in objective (RTO) is 10 minutes,
• The reporting application must be able to recover point in-time data al a daily granularity. The RTO is eight hours.
•The sales application must be able to fail over to second on-premises data center.
You need to recommend which Azure services meet the business community and disaster recovery objectives. The solution must minimize costs.
What should you recommend for each application? To answer, drag the appropriate services to the correct application. Each service may be used owe. More than

once not at an You may need to drag the spin bar between panes or scroll 10 view content.

Actions		Answer Area	
Azure Backup only		Sales:	Service or Services
Azure Site Recovery only	◀ ▶	Finance:	Service or Services
Azure Site Recovery and Azure Backup		Reporting:	Service or Services

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Actions		Answer Area	
Azure Backup only		Sales:	Azure Site Recovery and Azure Backup
Azure Site Recovery only	◀ ▶	Finance:	Azure Backup only
Azure Site Recovery and Azure Backup		Reporting:	Azure Site Recovery only

NEW QUESTION 23
- (Exam Topic 2)
You need to recommend a solution lo generate a monthly report of all the new Azure Resource Manager resource deployment in your subscription What should you include in the recommend3tlon,

A. Azure Activity Log
B. Azure Monitor action groups
C. Azure Advisor
D. Azure Monitor metrics

Answer: B

NEW QUESTION 28
- (Exam Topic 2)
You plan to deploy an API by using Azure API Management.
You need to recommend a solution to protect the API from a distribute derail of service (DDoS) attack. What should you recommend/

A. Create network security groups (NSG)
B. Enable rate limiting
C. Strip the Power-By response header
D. Enable quotas.

Answer: A

NEW QUESTION 33
- (Exam Topic 2)
You plan to use Azure Site Recovery to protect several on-premises physical server workloads. Each server workload is independent of the other. The workloads are stateless.
You need to recommend a failover strategy to ensure that if the on-premises data center fails, the workloads are available in Azure as quickly as possible.
Which failover strategy should you include in the recommendation?

A. Latest
B. Latest app-consistent
C. Latest multi-VM processed
D. Latest processed

Answer: D

Explanation:
 References:
https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-failover

NEW QUESTION 38

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