

AZ-301 Dumps

Microsoft Azure Architect Design

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NEW QUESTION 1

- (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 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)

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 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 create a Traffic Manager profile.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 4

- (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.

The screenshot shows an exam question interface. On the left, under the heading 'Policies', there is a list of three options: 'None', 'ReadOnly', and 'ReadWrite'. On the right, under the heading 'Answer Area', there are two rows representing disks. The first row is labeled 'Log:' and has a dropdown menu with 'Policy' selected. The second row is labeled 'Data:' and also has a dropdown menu with 'Policy' selected. Between the two panes, there are two circular arrows, one pointing left and one pointing right, indicating that the policies can be dragged between the disks.

- 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 5

- (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.

Certificates	Answer Area
A root CA certificate that has the private key	Trusted Root Certification Authorities certificate store on each laptop: Certificate
A root CA certificate that has the public key	The users' Personal store on each laptop: Certificate
A user certificate that has the private key	The Azure VPN gateway: Certificate
A user certificate that has the public key	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Certificates	Answer Area
A root CA certificate that has the private key	Trusted Root Certification Authorities certificate store on each laptop: A root CA certificate that has the public key
A root CA certificate that has the public key	The users' Personal store on each laptop: A user certificate that has the private key
A user certificate that has the private key	The Azure VPN gateway: A root CA certificate that has the public key
A user certificate that has the public key	

NEW QUESTION 6

- (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 7

- (Exam Topic 2)

You plan to deploy a payroll system to Azure. The payroll system will use Azure virtual machines that run SUSE Linux Enterprise Server and Windows. You need to recommend a business continuity solution for the payroll system. The solution must meet the following requirements:

Minimize costs.

Provide business continuity if an Azure region fails.

Provide a recovery time objective (RTO) of 30 minutes.

Provide a recovery point objective (RPO) of five minutes.

What should you include in the recommendation?

- A. Microsoft System Center Data Protection Manager (DPM)
- B. unmanaged disks that use geo-redundant storage (GRS)
- C. Azure Site Recovery
- D. Azure Backup

Answer: C

NEW QUESTION 8

- (Exam Topic 2)

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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 9

- (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 10

- (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 a virtual machine scale set that uses autoscaling.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 10

- (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 12

- (Exam Topic 2)

You plan to move a web application named App1 from an on-premises data center to Azure. App1 depends on a custom framework that is installed on the host server.

You need to recommend a solution to host App1 in Azure. The solution must meet the following requirements:

App1 must be available to users if an Azure data center becomes unavailable.

Costs must be minimized.

What should you include in the recommendation?

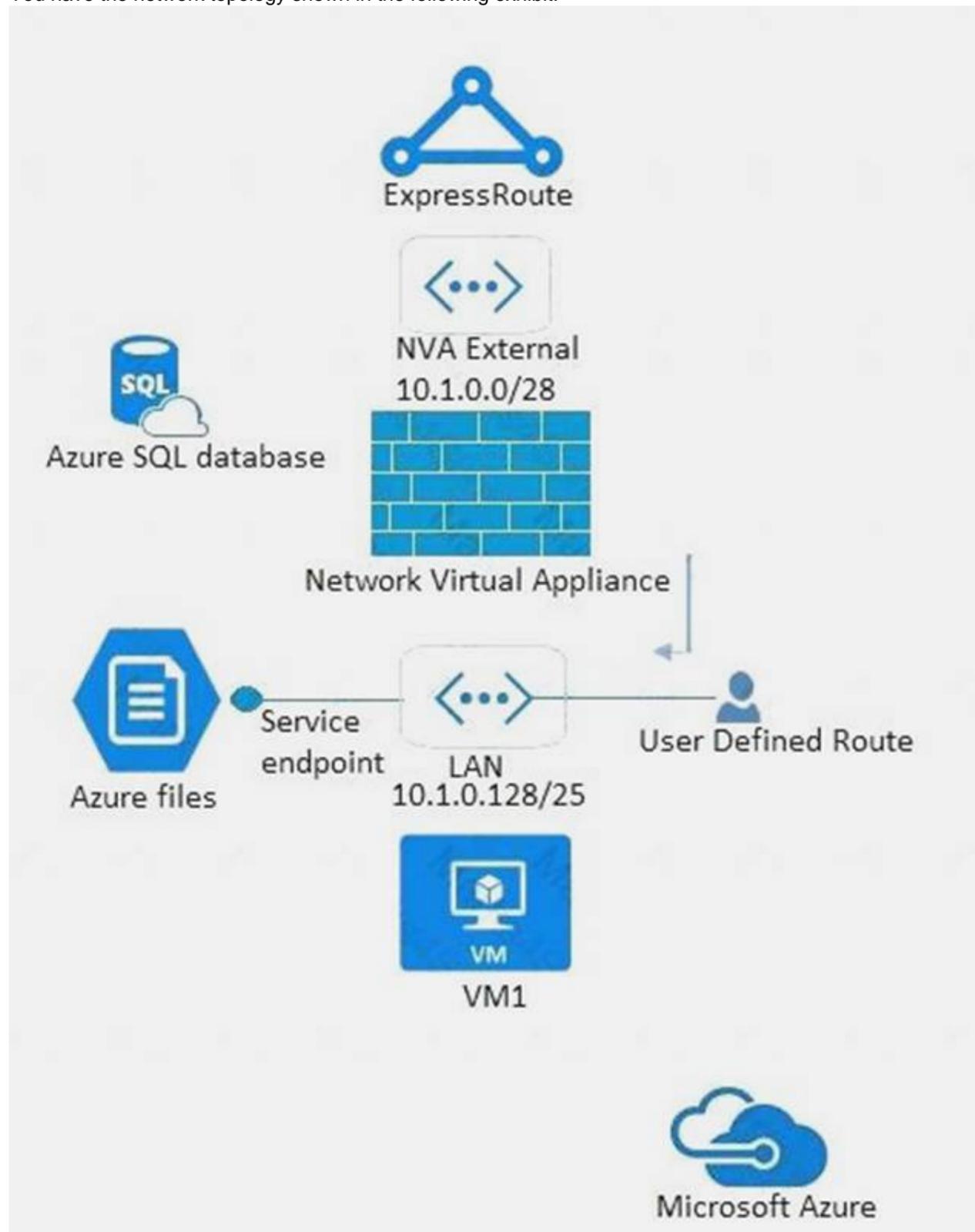
- A. In two Azure regions, deploy a Traffic Manager profile and a web app.
- B. In two Azure regions, deploy a load balancer and a virtual machine scale set.
- C. Deploy a load balancer and a virtual machine scale set across two availability zones.
- D. In two Azure regions, deploy a load balancer and a web app.

Answer: A

NEW QUESTION 16

- (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 17

- (Exam Topic 2)

You have an Azure subscription that contains a custom application named Application1 developed by an external company named fabric, Ltd. Developers at Fabrikam were assigned role-based access control (RBAC) permissions to the Application1 components. All users are licensed for the Microsoft 365 E5 plan. You need to recommend a solution to verify whether the Fabric developers still require permissions to Application1. The solution must meet the following requirements.

- * To the manager of the developers, send a monthly email message that lists the access permissions to Application1.
- * If the manager does not verify access permission, automatically revoke that permission.
- * Minimize development effort. What should you recommend?

- A. Create an Azure Automation runbook that runs the Get-AzureADUSAppRoleAssignment cmdlet.
- B. In Azure Active Directory (Azure AD) create an access review of Application1.
- C. In Azure Active Directory (AD) Privileged Identity Management, create a custom role assignment for the Application1 resources.
- D. Create an Azure Automation runbook that runs the get-AzureRaRolesAssigned cmdlet.

Answer: A

NEW QUESTION 21

- (Exam Topic 2)

You are developing a sales application that will contain several Azure cloud services and will handle different components of a transaction. Different cloud services will process customer orders, billing, payment, inventory, and shipping.

You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using REST messages. What would you include in the recommendation?

- A. Traffic Manager
- B. Azure Notification Hubs
- C. Azure Blob storage
- D. Azure Queue storage

Answer: D

NEW QUESTION 24

- (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 27

- (Exam Topic 2)

You are designing a container solution in Azure that will include two containers. One container will host a web API that will be available to the public. The other container will perform health monitoring of the web API and will remain private. The two containers will be deployed together as a group.

You need to recommend a compute service for the containers. The solution must minimize costs and maintenance overhead.

What should you include in the recommendation?

- A. Azure container instances
- B. Azure container Service
- C. Azure kubernetes service (aks)
- D. Azure service fabric

Answer: A

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-container-groups>

NEW QUESTION 29

- (Exam Topic 2)

The accounting department at your company migrates to new financial accounting software. The accounting department must keep file-based database backups for years for compliances purposes. It is unlikely that the backup will be used to recover data.

You need to more the backups to Azure. The solution must minimize costs. Where should store the backups?

- A. Azure SQL Database
- B. a Recovery Services vault
- C. Azure Blob storage that uses the archive tier
- D. Azure storage that uses the Cool tier

Answer: C

NEW QUESTION 31

- (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 32

- (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 34

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