



AZ-304^{Q&As}

Microsoft Azure Architect Design Exam

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QUESTION 1

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

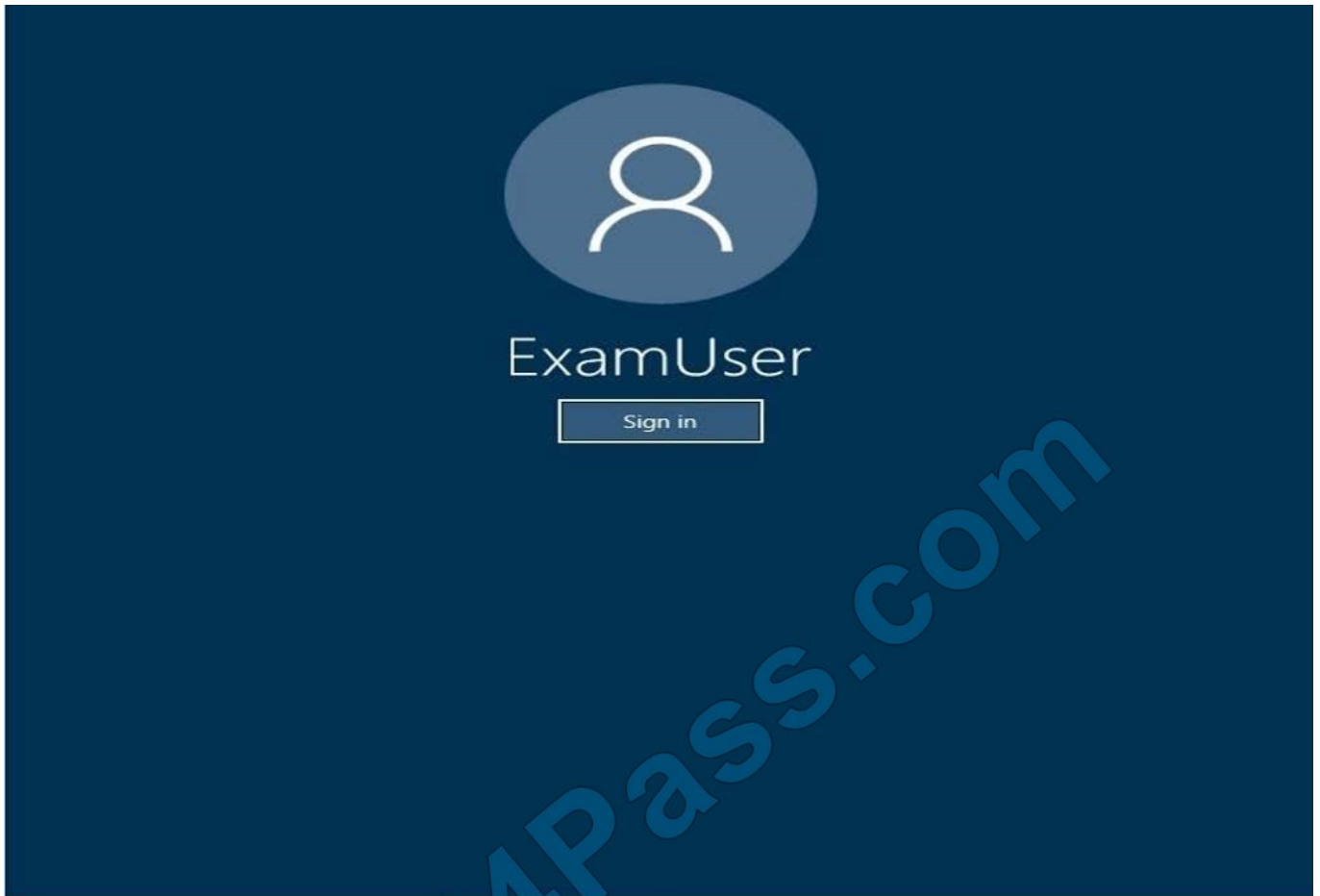
Azure Username: User1-10989444@ExamUsers.com

Azure Password: KJn29!aBBB

If the Azure portal does not load successfully in the browser, press CTRL-K to reload the portal in a new browser tab.

The following information is for technical support purposes only:

Lab Instance: 10989444



You need to recommend a solution to ensure that connections to NWVM1 and NWVM3 are load balanced.

What should you recommend?



NOTE: To answer this question, sign in to the Azure portal and explore an Azure resource group named ResourceGroup1lod10989444.

- A. one Recovery Services vault
- B. one Azure Traffic Manager
- C. one Azure Load Balancer
- D. two Azure Load Balancers

Correct Answer: C

The job of Azure Load Balancer is to direct traffic inside a region.

Incorrect Answers:

B: The job of Azure Traffic Manager is to route traffic globally based on flexible policies, enabling an excellent user experience that aligns with how you've structured your application across the world.

Reference: <https://www.concurrency.com/blog/w/azure-traffic-manager-vs-azure-load-balancer>

QUESTION 2

You are designing an Azure web app.

You need to ensure that users who have impaired vision can use the app.

Which reference material should you use when designing the app?

- A. Accessibility in Windows Dev Center
- B. Azure Application Architecture Guide
- C. Web Content Accessibility Guidelines
- D. Cloud Application Architecture Guide

Correct Answer: C

How Microsoft integrates accessibility

Microsoft's obligation to accessibility is guided by three main principles: transparency, inclusivity and accountability. In developing our products and services, we take into account leading global accessibility standards, including:

EN 301 549

U.S. Section 508 Web Content Accessibility Guidelines (WCAG)

References: <https://www.microsoft.com/en-us/trust-center/compliance/accessibility>

QUESTION 3



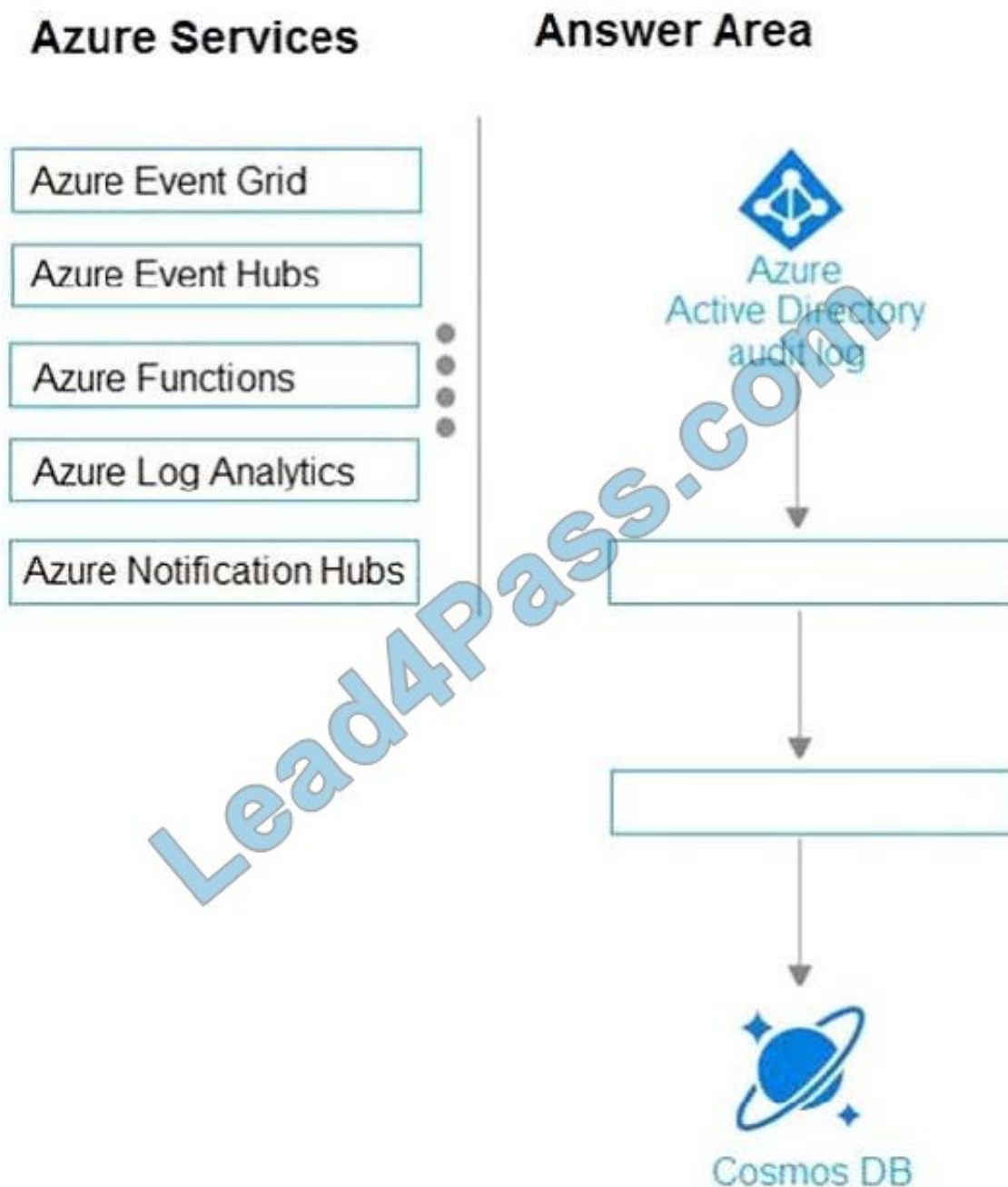
DRAG DROP

You need to design an architecture to capture the creation of users and the assignment of roles. The captured data must be stored in Azure Cosmos DB.

Which Azure services should you include in the design? To answer, drag the appropriate services to the correct targets. Each service may be used once, more than once, or not at all. You need to drag the split bar between panes or scroll to view content.

NOTE .Each correct selection worth one point.

Select and Place:





Correct Answer:

Azure Services

- Azure Event Grid
-
-
- Azure Log Analytics
- Azure Notification Hubs

Answer Area



QUESTION 4

You use a virtual network to extend an on-premises IT environment into the cloud. The virtual network has two virtual machines (VMs) that store sensitive data.

The data must only be available using internal communication channels. Internet access to those VMs is not permitted.

You need to ensure that the VMs cannot access the Internet.



Which two options should you recommend? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. network interface (NIC)
- B. Source Network Address Translation (SNAT)
- C. Azure ExpressRoute
- D. Network Security Groups (NSG)

Correct Answer: CD

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. A company has custom ASP.NET and Java applications that run old versions of Windows and

Linux. The company plans to place applications in containers.

You need to design a solution that includes networking, service discovery, and load balancing for the applications. The solution must support storage orchestration.

Solution: Deploy a Kubernetes cluster that has the desired number of instances of the applications.

Does the solution meet the goal?

- A. Yes
- B. No

Correct Answer: B

Instead you should deploy each application to an Azure Container instance.

Note: Docker Containers are the global standard and are natively supported in Azure, offering enterprises an interesting and flexible way to migrate legacy apps for both future proofing and cost benefits.

Reference:

<https://docs.microsoft.com/en-us/dotnet/standard/modernize-with-azure-and-containers/modernize-existing-apps-to-cloud-optimized/deploy-existing-net-apps-as-windows-containers>

QUESTION 6



DRAG DROP

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 while preserving integrity of the SQL data and logs.

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.

Select and Place:

Policies	Answer Area
None	Log: Policy
ReadOnly	Data: Policy
ReadWrite	

Correct Answer:

Policies	Answer Area
	Log: None
ReadWrite	Data: ReadOnly

References: <https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-sql-performance>

QUESTION 7

You have an Azure Active Directory (Azure AD) tenant named contoso.com that contains two administrative user accounts named Admin1 and Admin2.



You create two Azure virtual machines named VM1 and VM2.

You need to ensure that Admin1 and Admin2 are notified when more than five events are added to the security log of VM1 or VM2 during a period of 120 seconds. The solution must minimize administrative tasks.

What should you create?

- A. two action groups and one alert rule
- B. one action group and one alert rule
- C. five action groups and one alert rule
- D. two action groups and two alert rules

Correct Answer: B

QUESTION 8

HOTSPOT

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.e following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input type="radio"/>	<input type="radio"/>

Correct Answer:



Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input checked="" type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input checked="" type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input checked="" type="radio"/>	<input type="radio"/>

QUESTION 9

You have Azure virtual machines that run a custom line-of-business web application.

You plan to use a third-party solution to parse event logs from the virtual machines stored in an Azure storage account.

You need to recommend a solution to save the event logs from the virtual machines to the Azure Storage account. The solution must minimize costs and complexity.

What should you include in the recommendation?

- A. Azure VM Diagnostics Extension
- B. Azure Monitor Metrics
- C. event log subscriptions
- D. Azure Monitor Logs

Correct Answer: A

The Azure Diagnostics VM extension enables you to collect monitoring data, such as performance counters and event logs, from your Windows VM. You can granularly specify what data you want to collect and where you want the data to go, such as an Azure Storage account or an Azure Event Hub.

Reference: <https://docs.microsoft.com/en-us/azure/virtual-machines/windows/extensions-diagnostics>

QUESTION 10

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 deployed several virtual machines (VMs) on-premises and to Azure. Azure ExpressRoute has been deployed and configured for on-premises to Azure connectivity.

Several VMs are exhibiting network connectivity issues.

You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs.

Solution: Install and configure the Log Analytics and Dependency Agents on all VMs. Use the Wire Data solution in Azure Log Analytics to analyze the network traffic.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

Instead use Azure Network Watcher to run IP flow verify to analyze the network traffic.

Reference: <https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-monitoring-overview>
<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview>

QUESTION 11

You have an Azure subscription that contains a custom application named Application was developed by an external company named fabric, Ltd. Developers at Fabrikam were assigned role-based access control (RBAC) permissions to the Application components. All users are licensed for the Microsoft 365 E5 plan. You need to recommends a solution to verify whether the Faricak developers still require permissions to Application1. The solution must 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 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 Managed, create a custom roles assignment for the Application 1 resources.

D.

Create an Azure Automation runbook that runs the get-AzureRaRolesAssigned cmdlet.

Correct Answer: A

QUESTION 12

You have 200 resource groups across 20 Azure subscriptions.

Your company's security policy states that the security administrator must verify all assignments of the Owner role for the subscriptions and resource groups once a month.

All assignments that are not approved by the security administrator must be removed automatically.

The security administrator must be prompted every month to perform the verification.

What should you use to implement the security policy?

- A. Access reviews in identity Governance
- B. role assignments in Azure Active Directory (Azure AD) Privileged Identity Management (PIM)
- C. Identity Secure Score in Azure Security Center
- D. the user risk policy Azure Active Directory (Azure AD) Identity Protection

Correct Answer: B

QUESTION 13

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 Windows Event Logs?

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



D. Syslog

Correct Answer: C

This is also given in the Microsoft documentation, wherein you would use the Event Table for the queries on events from Windows Virtual machines

Log queries with Windows Events

The following table provides different examples of log queries that retrieve Windows Event records.

Query	Description
Event	All Windows events.
Event where EventLevelName == "error"	All Windows events with severity of error.
Event summarize count() by Source	Count of Windows events by source.
Event where EventLevelName == "error" summarize count() by Source	Count of Windows error events by source.

Since this is clearly mentioned, all other options are incorrect For more information on collecting event data from windows virtual machines, please go ahead and visit the below URL.

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

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