



# AZ-304<sup>Q&As</sup>

Microsoft Azure Architect Design Exam

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### QUESTION 1

You plan to move several apps that handle critical line-of-business (LOB) services to Azure.

Appropriate personnel must be notified if any critical resources become degraded or unavailable.

You need to design a monitoring and notification strategy that can handle up to 100 notifications per hour.

Which three actions should you recommend be performed in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:

#### Actions

Create a resource group containing the critical resources.

Monitor Azure status for warnings and errors.

Create an activity log alert for service health.

Create an action group for alerts to email addresses.

Create an action group for alerts to SMS phone numbers.

Monitor service health for incidents and action required notifications.

#### Answer Area

The answer area contains three empty slots for actions, indicated by a vertical list of three circles with downward-pointing arrows on the right side. There are also two circular drag handles (circles with arrows) positioned between the 'Actions' and 'Answer Area' columns, one between the second and third actions, and another between the third and fourth actions.

Correct Answer:



## Actions

[Empty box]

Monitor Azure status for warnings and errors.

Create an activity log alert for service health.

[Empty box]

Create an action group for alerts to SMS phone numbers.

[Empty box]

## Answer Area

Create a resource group containing the critical resources.

Create an action group for alerts to email addresses.

Monitor service health for incidents and action required notifications.



Step 1: Create a resource group containing the critical resources.

In step 2 the action group should be created within this Resource Group.

Step 2: Create an action group for alerts to email addresses.

You configure an action to notify a person by email or SMS, they receive a confirmation indicating they have been added to the action group.

The rate limit thresholds are:

1.

SMS: No more than 1 SMS every 5 minutes.

2.

Voice: No more than 1 Voice call every 5 minutes.

3.

Email: No more than 100 emails in an hour.

Step 3: Monitor service health for incidents and action required notifications

An action group is a collection of notification preferences defined by the owner of an Azure subscription. Azure Monitor



and Service Health alerts use action groups to notify users that an alert has been triggered.

References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-rate-limiting>

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## QUESTION 2

You have an application named App1. App1 generates log files that must be archived for five years. The log files must be readable by App1 but must not be modified. Which storage solution should you recommend for archiving?

- A. Use an Azure Blob storage account and a time-based retention policy
- B. Ingest the log files into an Azure Log Analytics workspace
- C. Use an Azure Blob Storage account configured to use the Archive access tier
- D. Use an Azure file share that has access control enabled

Correct Answer: A

Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state.

Immutable storage supports:

Time-based retention policy support: Users can set policies to store data for a specified interval. When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired,

blobs can be deleted but not overwritten.

References:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage>

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## QUESTION 3

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 an on-premises Active Directory Domain Services (AD DS) domain and an established Azure Active Directory (Azure AD) environment.

Your company would like users to be automatically signed in to cloud apps when they are on their corporate desktops that are connected to the corporate network.

You need to enable single sign-on (SSO) for company users.

Solution: Install and configure an Azure AD Connect server to use pass-through authentication and select the “Enable single sign-on” option.

Does the solution meet the goal?



A. Yes

B. No

Correct Answer: A

Azure Active Directory Seamless Single Sign-On (Azure AD Seamless SSO) automatically signs users in when they are on their corporate devices connected to your corporate network. When enabled, users don't need to type in their passwords to sign in to Azure AD, and usually, even type in their usernames. This feature provides your users easy access to your cloud-based applications without needing any additional on-premises components.

Seamless SSO can be combined with either the Password Hash Synchronization or Pass-through Authentication sign-in methods.

Reference: <https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-ss0>

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#### QUESTION 4

You are designing a storage solution that will use Azure Blob storage. The data will be stored in a cool access tier or an archive access tier based on the access patterns of the data.

You identify the following types of infrequently accessed data:

1.

Telemetry data: Deleted after two years

2.

Promotional material: Deleted after 14 days

3.

Virtual machine audit data: Deleted after 200 days

A colleague recommends using the archive access tier to store the data.

Which statement accurately describes the recommendation?

A. Storage costs will be based on a minimum of 30 days.

B. Access to the data is guaranteed within five minutes.

C. Access to the data is guaranteed within 30 minutes.

D. Storage costs will be based on a minimum of 180 days.

Correct Answer: D

The following table shows a comparison of premium performance block blob storage, and the hot, cool, and archive access tiers.



	<b>Premium performance</b>	<b>Hot tier</b>	<b>Cool tier</b>	<b>Archive tier</b>
<b>Availability</b>	99.9%	99.9%	99%	Offline
<b>Availability (RA-GRS reads)</b>	N/A	99.99%	99.9%	Offline
<b>Usage charges</b>	Higher storage costs, lower access, and transaction cost	Higher storage costs, lower access, and transaction costs	Lower storage costs, higher access, and transaction costs	Lowest storage costs, highest access, and transaction costs
<b>Minimum object size</b>	N/A	N/A	N/A	N/A
<b>Minimum storage duration</b>	N/A	N/A	30 days <sup>1</sup>	180 days
<b>Latency (Time to first byte)</b>	Single-digit milliseconds	milliseconds	milliseconds	hours <sup>2</sup>

Reference: <https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

### QUESTION 5

You manage a solution in Azure.

The solution is performing poorly.

You need to recommend tools to determine causes for the performance issues.

What should you recommend? To answer, drag the appropriate monitoring solutions to the correct scenarios.

Each monitoring solution 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.





Select and Place:

### Monitoring solutions

Azure Log Analytics    Azure Monitor

### Answer Area

Scenario	Monitoring solution
Metrics on Azure infrastructure	<input type="text"/>
Functionality of Azure infrastructure	<input type="text"/>
Security of Azure infrastructure	<input type="text"/>

Correct Answer:

### Monitoring solutions

Azure Log Analytics    Azure Monitor

### Answer Area

Scenario	Monitoring solution
Metrics on Azure infrastructure	Azure Monitor
Functionality of Azure infrastructure	Azure Log Analytics
Security of Azure infrastructure	Azure Log Analytics

Box 1: Azure Monitor Metrics in Azure Monitor are stored in a time-series database which is optimized for analyzing time-stamped data. This makes metrics particularly suited for alerting and fast detection of issues. Box 2: Azure Log Analytics Log data collected by Azure Monitor is stored in a Log Analytics workspace, which is based on Azure Data Explorer. Logs in Azure Monitor are especially useful for performing complex analysis across data from a variety of sources. Box 3: Azure Log Analytics

References: <https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-platform> <https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-platform-logs>

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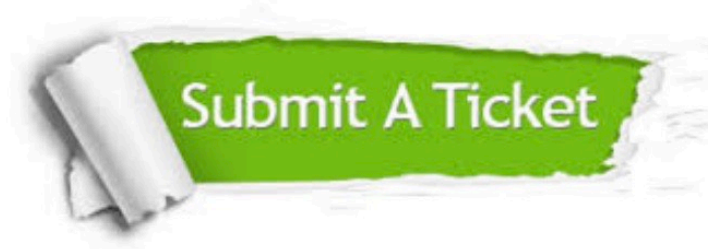
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