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Exam overview

Exam Code: AZ-304

Exam Name: Microsoft Azure Architect Design

Job role: Solution Architect

Level: Advanced

https://docs.microsoft.com/en-us/learn/certifications/exams/az-304

Topic 1, Determine Workload Requirements

QUESTION NO: 1

You work in an on-premises environment that makes use of Microsoft System Center – Service Manager.

You have been tasked with devising a strategy to deploy a number of services to Azure.

You want to make sure that your strategy allows for Azure service health to be pushed to Service Manager. You need to include the necessary component in your strategy.

Which of the following is the component that should be included?

A.
The Azure Diagnostics agent.

B.
A SendGrid connector.

C.
An IT Service Management Connector (ITSM).

D.
An Azure Cosmos DB connector.

Answer: C
Explanation:

References:

https://docs.microsoft.com/en-us/azure/azure-monitor/platform/itsmc-overview

QUESTION NO: 2

Your company has an Azure subscription.

You have been tasked with making sure that the details of new Azure Resource Manager resource deployments in your subscription are included in a report. The report must be created once a month.

Which of the following actions should you take?

A.
You should include Azure AD Identity Protection in your strategy.

B.
You should include Azure Activity Log in your strategy.

C.
You should include Application Insights in your strategy.

D.
You should include Azure Network Security Group Analytics in your strategy.

Answer: B
Explanation:

Through activity logs, you can determine:

References:

https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-audit

QUESTION NO: 3

Your company makes use of an Azure App Service Web App. Azure Blob storage and an Azure SQL Database instance are included in the Web App.

The Application Insights SDK is used for instrumentation.

You are planning to configure the use of an Azure monitoring service that allows for Azure resource usage to be correlated with application configuration and performance data.

Which of the following is the service that you should configure?

Which Azure monitoring services should you use? To answer, select the appropriate Azure monitoring services in the answer area.

A.
Azure Activity Log

B.
Azure Monitor

C.
Azure Network Security Group Analytics

D.
Azure Log Analytics

Answer: D
Explanation:

QUESTION NO: 4

Your company makes use of an Azure App Service Web App. Azure Blob storage and an Azure
SQL Database instance are included in the Web App.

The Application Insights SDK is used for instrumentation.

You are planning to configure the use of an Azure monitoring service that allows for requests and
exceptions to be tracked to a particular code segment within the application.

Which of the following is the service that you should configure?

A.
Azure Application Insights

B.
Azure Monitor

C.
Azure Network Security Group Analytics

D.
Azure Log Analytics

Answer: A
Explanation:

QUESTION NO: 5

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You have been tasked with deploying a large number of Microsoft SQL Server databases to Azure. You will be making use of Azure SQL Database and Azure SQL Database Managed Instance to achieve your goal.

You are currently devising a monitoring strategy for all deployments that supports analysis based on metrics gathered almost in real-time, multiple times per minute, and maintained for a maximum of sixty minutes. The strategy should also support analysis based on metrics gathered multiple times per hour and maintained for a maximum of fourteen days, as well as the monitoring of the number of simultaneous logins and sessions.

Solution: You make use of Azure Activity Log.

Does the solution meet the goal?

A.
Yes

B.
No

Answer: B
Explanation:

QUESTION NO: 6

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You have been tasked with deploying a large number of Microsoft SQL Server databases to Azure. You will be making use of Azure SQL Database and Azure SQL Database Managed Instance to achieve your goal.

You are currently devising a monitoring strategy for all deployments that supports analysis based

on metrics gathered almost in real-time, multiple times per minute, and maintained for a maximum of sixty minutes. The strategy should also support analysis based on metrics gathered multiple times per hour and maintained for a maximum of fourteen days, as well as the monitoring of the number of simultaneous logins and sessions.

Solution: You make use of Event Log subscriptions.

Does the solution meet the goal?

A.
Yes

B.
No

Answer: B
Explanation:

QUESTION NO: 7

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You have been tasked with deploying a large number of Microsoft SQL Server databases to Azure. You will be making use of Azure SQL Database and Azure SQL Database Managed Instance to achieve your goal.

You are currently devising a monitoring strategy for all deployments that supports analysis based on metrics gathered almost in real-time, multiple times per minute, and maintained for a maximum of sixty minutes. The strategy should also support analysis based on metrics gathered multiple times per hour and maintained for a maximum of fourteen days, as well as the monitoring of the number of simultaneous logins and sessions.

Solution: You make use of Azure Monitor.

Does the solution meet the goal?

A.
Yes

B.
No

Answer: A
Explanation:

QUESTION NO: 8

You administer a solution in Azure that is currently having performance issues.

You need to find the cause of the performance issues pertaining to metrics on the Azure infrastructure.

Which of the following is the tool you should use?

A.
Azure Traffic Analytics

B.
Azure Monitor

C.
Azure Activity Log

D.
Azure Advisor

Answer: B
Explanation:

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.

References:

https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-platform

QUESTION NO: 9

You administer a solution in Azure that is currently having performance issues.

You need to find the cause of the performance issues pertaining to the security of the Azure infrastructure.

Which of the following is the tool you should use?

A.
Azure Traffic Analytics

B.
Azure Monitor

C.
Azure Activity Log

D.
Azure Advisor

Answer: C
Explanation:

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.

References:

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

Topic 2, Design for Identity and Security

QUESTION NO: 10

Overview

Weyland Industries is a European based company that has its headquarters in Paris, with offices in Antwerp, Munich, and Milan.

Current Environment