Microsoft

AZ-304

Microsoft Azure Architect Design (beta)

Question & Answers

(Free – Demo Version)

QUESTION: 1

You need to recommend a solution to generate a monthly report of all the new Azure Resource Manager resource deployments in your subscription. What should you include in the recommendation?

A. the Change Tracking management solution
B. Application Insights
C. Azure Monitor action groups
D. Azure Activity Log

Answer: D

Explanation:

Activity logs are kept for 90 days. You can query for any range of dates, as long as the starting date isn't more than 90 days in the past. Through activity logs, you can determine:

.

.

what operations were taken on the resources in your subscription who started the operation

.

.

when the operation occurred the status of the operation

.

the values of other properties that might help you research the operation

Reference:

https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/view-activity-logs

QUESTION: 2

You have an Azure subscription that contains an Azure SQL database named DB1. Several queries that query the data in DB1 take a long time to execute. You need to recommend a solution to identify the queries that take the longest to execute. What should you include in the recommendation?

A. SQL Database Advisor
B. Azure Monitor
C. Performance Recommendations
D. Query Performance Insight

Answer: D

Explanation:
Query Performance Insight provides intelligent query analysis for single and pooled databases. It helps identify the top resource consuming and long-running queries in your workload. This helps you find the queries to optimize to improve overall workload performance and efficiently use the resource that you are paying for.

Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/query-performance-insight-use

QUESTION: 3
HOTSPOT
You have an Azure App Service Web App that includes Azure Blob storage and an Azure SQL Database instance. The application is instrumented by using the Application Insights SDK. You need to design a monitoring solution for the web app. Which Azure monitoring services should you use? To answer, select the appropriate Azure monitoring services in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Scenario	Azure monitoring service
Correlate Azure resource usage and performance data with application configuration and performance data.	▼ Azure Application Insights / Azure Service Map / Azure Monitor Logs / Azure Activity Log
Visualize the relationships between application components.	▼ Azure Application Insights / Azure Service Map / Azure Monitor Logs / Azure Activity Log
Track requests and exceptions to a specific line of code within the application.	▼ Azure Application Insights / Azure Service Map / Azure Monitor Logs / Azure Activity Log
Analyze how many users return to the application and how often they select a particular dropdown value.	▼ Azure Application Insights / Azure Service Map / Azure Monitor Logs / Azure Activity Log

Answer:
Exhibit

Answer Area

Scenario	Azure monitoring service
Correlate Azure resource usage and performance data with application configuration and performance data.	▼ Azure Application Insights Azure Service Map **Azure Monitor Logs** Azure Activity Log
Visualize the relationships between application components.	▼ Azure Application Insights **Azure Service Map** Azure Monitor Logs Azure Activity Log
Track requests and exceptions to a specific line of code within the application.	▼ **Azure Application Insights** Azure Service Map Azure Monitor Logs Azure Activity Log
Analyze how many users return to the application and how often they select a particular dropdown value.	▼ Azure Application Insights Azure Service Map Azure Monitor Logs **Azure Activity Log**

Explanation:
Note: You can select Logs from either the Azure Monitor menu or the Log Analytics workspaces menu.

Reference:
https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/log-query-overview

QUESTION: 4
You have an on-premises Hyper-V cluster. The cluster contains Hyper-V hosts that run Windows Server 2016 Datacenter. The hosts are licensed under a Microsoft Enterprise Agreement that has Software Assurance. The Hyper-V cluster contains 30 virtual machines that run Windows Server 2012 R2. Each virtual machine runs a different workload. The workloads have predictable consumption patterns. You plan to replace the virtual machines with Azure virtual machines that run Windows Server 2016. The virtual machines will be sized according to the consumption pattern of each workload. You need to recommend a solution to minimize the compute costs of the Azure virtual

machines. Which two recommendations should you include in the solution? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Configure a spending limit in the Azure account center.
B. Create a virtual machine scale set that uses autoscaling.
C. Activate Azure Hybrid Benefit for the Azure virtual machines.
D. Purchase Azure Reserved Virtual Machine Instances for the Azure virtual machines.
E. Create a lab in Azure DevTest Labs and place the Azure virtual machines in the lab.

Answer: C, D

Explanation:
C: For customers with Software Assurance, Azure Hybrid Benefit for Windows Server allows you to use your on-premises Windows Server licenses and run Windows virtual machines on Azure at a reduced cost. You can use Azure Hybrid Benefit for Windows Server to deploy new virtual machines with Windows OS.
D: With Azure Reserved VM Instances (RIs) you reserve virtual machines in advance and save up to 80 percent.

Reference:
https://azure.microsoft.com/en-us/pricing/reserved-vm-instances/
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/hybrid-use-benefit-licensing

QUESTION: 5
HOTSPOT
You have an Azure subscription that contains the SQL servers on Azure shown in the following table.

Name	Resource group	Location
SQLsvr1	RG1	East US
SQLsvr2	RG2	West US

The subscription contains the storage accounts shown in the following table.

Name	Resource group	Location	Account kind
storage1	RG1	East US	StorageV2 (general purpose v2)
storage2	RG2	West US	BlobStorage

You create the Azure SQL databases shown in the following table.

Name	Resource group	Server	Pricing tier
SQLdb1	RG1	SQLsvr1	Standard
SQLdb2	RG1	SQLsvr1	Standard
SQLdb3	RG2	SQLsvr2	Premium

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
When you enable auditing for SQLdb1, you can store the audit information to storage1.	O	O
When you enable auditing for SQLdb2, you can store the audit information to storage2.	O	O
When you enable auditing for SQLdb3, you can store the audit information to storage2.	O	O

Answer:
Exhibit

Answer Area

Statements	Yes	No
When you enable auditing for SQLdb1, you can store the audit information to storage1.	O	O
When you enable auditing for SQLdb2, you can store the audit information to storage2.	O	O
When you enable auditing for SQLdb3, you can store the audit information to storage2.	O	O

Explanation:
Box 1: Yes
Be sure that the destination is in the same region as your database and server.
Box 2: No
Box 3: No

Reference:
https://docs.microsoft.com/en-us/azure/sql-database/sql-database-auditing