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<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy>

QUESTION 145

You have 50 Azure SQL databases.

You need to notify the database owner when the database settings, such as the database size and pricing tier, are modified in Azure.

What should you do?

- A. Create a diagnostic setting for the activity log that has the Security log enabled.
- B. For the database, create a diagnostic setting that has the InstanceAndAppAdvanced metric enabled.
- C. Create an alert rule that uses a Metric signal type.
- D. Create an alert rule that uses an Activity Log signal type.

Correct Answer: D

Explanation:

Activity log events - An alert can trigger on every event, or, only when a certain number of events occur.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/alerts-insights-configure-portal>

QUESTION 146

You have an Azure SQL database.

You discover that the plan cache is full of compiled plans that were used only once.

You run the select * from sys.database_scoped_configurations Transact-SQL command and receive the results shown in the following table.

configuration_id	name	value	is_value_default
1	LEGACY_CARDINALITY_ESTIMATION	0	1
2	QUERY_OPTIMIZER_HOTFIXES	0	1
3	OPTIMIZE_FOR_AD_HOC_WORKLOADS	0	1
4	ACCELERATED_PLAN_FORCING	1	1

You need relieve the memory pressure.

What should you configure?

- A. LEGACY_CARDINALITY_ESTIMATION
- B. QUERY_OPTIMIZER_HOTFIXES
- C. OPTIMIZE_FOR_AD_HOC_WORKLOADS
- D. ACCELERATED_PLAN_FORCING

Correct Answer: C

Explanation:

OPTIMIZE_FOR_AD_HOC_WORKLOADS = { ON | OFF }

Enables or disables a compiled plan stub to be stored in cache when a batch is compiled for the

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first time. The default is OFF. Once the database scoped configuration `OPTIMIZE_FOR_AD_HOC_WORKLOADS` is enabled for a database, a compiled plan stub will be stored in cache when a batch is compiled for the first time. Plan stubs have a smaller memory footprint compared to the size of the full compiled plan.

Reference:

<https://docs.microsoft.com/en-us/sql/t-sql/statements/alter-database-scoped-configuration-transact-sql>

QUESTION 147

A company plans to use Apache Spark analytics to analyze intrusion detection data.

You need to recommend a solution to analyze network and system activity data for malicious activities and policy violations. The solution must minimize administrative efforts.

What should you recommend?

- A. Azure Data Lake Storage
- B. Azure Databricks
- C. Azure HDInsight
- D. Azure Data Factory

Correct Answer: C

Explanation:

Azure HDInsight offers pre-made, monitoring dashboards in the form of solutions that can be used to monitor the workloads running on your clusters. There are solutions for Apache Spark, Hadoop, Apache Kafka, live long and process (LLAP), Apache HBase, and Apache Storm available in the Azure Marketplace.

Note:

With Azure HDInsight you can set up Azure Monitor alerts that will trigger when the value of a metric or the results of a query meet certain conditions. You can condition on a query returning a record with a value that is greater than or less than a certain threshold, or even on the number of results returned by a query. For example, you could create an alert to send an email if a Spark job fails or if a Kafka disk usage becomes over 90 percent full.

Reference:

<https://azure.microsoft.com/en-us/blog/monitoring-on-azure-hdinsight-part-4-workload-metrics-and-logs/>

QUESTION 148

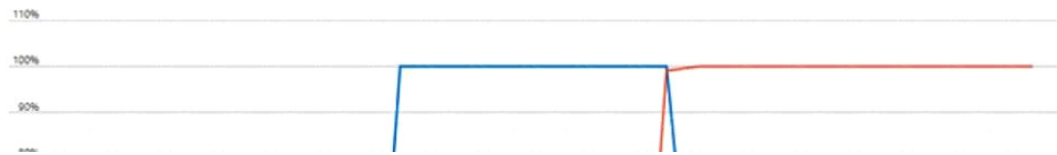
HOTSPOT

You have an Azure SQL database named that contains a table named Table1.

You run a query to bad data into Table1.

The performance Of Table1 during the load operation are shown in exhibit.

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To reduce how long it takes to complete the query you must [answer choice].

- scale the resource
- use an elastic pool
- perform query tuning

To reduce the log IO load of the operation, the query must be updated to use [answer choice] table.

- a temporary
- an In-Memory OTLP durable
- an In-Memory OTLP non durable

Correct Answer:

To reduce how long it takes to complete the query you must [answer choice].

- scale the resource
- use an elastic pool
- perform query tuning

To reduce the log IO load of the operation, the query must be updated to use [answer choice] table.

- a temporary
- an In-Memory OTLP durable
- an In-Memory OTLP non durable

QUESTION 149

You have an on-premises app named App1 that stores data in an on-premises Microsoft SQL Server 2016 database named DB1.

You plan to deploy additional instances of App1 to separate Azure regions. Each region will have a separate instance of App1 and DB1. The separate instances of DB1 will sync by using Azure SQL Data Sync.

You need to recommend a database service for the deployment. The solution must minimize administrative effort.

What should you include in the recommendation?

- A. Azure SQL Managed instance
- B. Azure SQL Database single database
- C. Azure Database for PostgreSQL
- D. SQL Server on Azure virtual machines

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Correct Answer: B

Explanation:

Azure SQL Database single database supports Data Sync.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/features-comparison>

QUESTION 150

DRAG DROP

You have an Azure subscription.

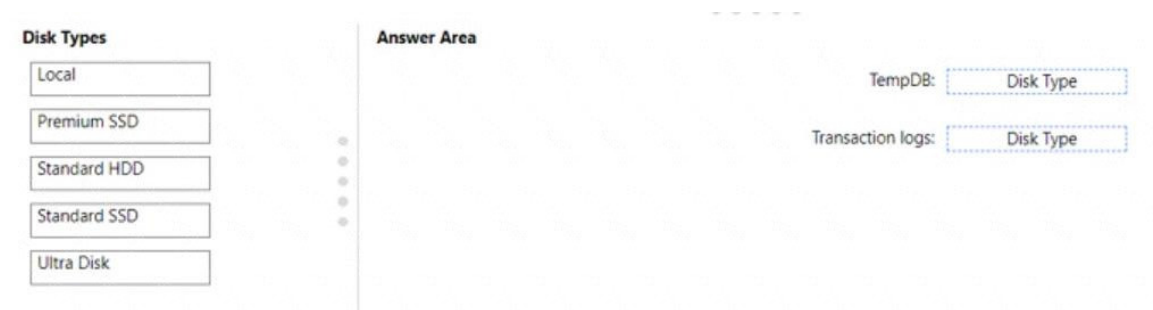
You plan to deploy a new Azure virtual machine that will host a Microsoft SQL Server instance.

You need to configure the disks on the virtual machine. The solution must meet the following requirements:

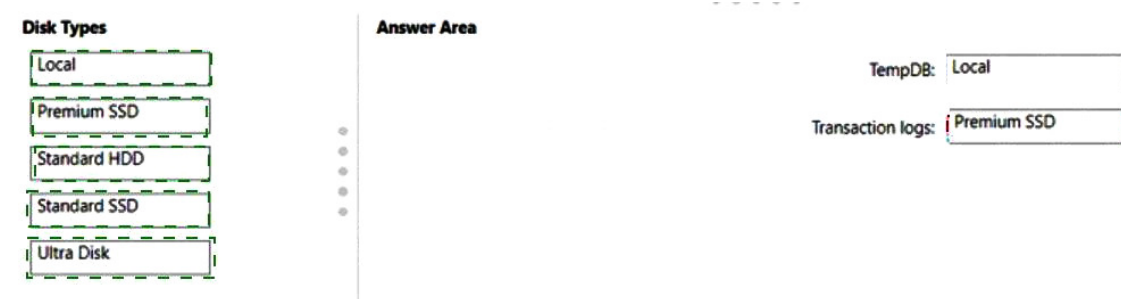
- Minimize latency for transaction logs.
- Minimize the impact on IO Of the virtual machine.

Which type of disk should you use for each workload? To answer, drag the appropriate disk types to the correct workloads. Each disk type may be used once, 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.



Correct Answer:



QUESTION 151

HOTSPOT

You have an Azure SQL database that contains a table named Customer. Customer has the columns shown in the following table.

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Customer_ID	Customer_Name	Customer_Phone
11001	Contoso, Ltd.	555-555-0173
11002	Litware, Inc.	555-505-3124
11003	ADatum Corporation	555-689-4312

You plan to implement a dynamic data mask for the Customer_Phone column. The mask must meet the following requirements:

- The first six numerals of each customer's phone number must be masked.
- The last four digits of each customer's phone number must be visible.
- Hyphens must be preserved and displayed.

How should you configure the dynamic data mask? To answer, select the appropriate options in the answer area.

Exposed Prefix: ▼

0
1
3
5

Padding String: ▼

X
XXXXXX
XXX-XXX
XXX-XXX-
x[3]-x[3]

Exposed Suffix: ▼

0
1
3
5

Correct Answer: