



DP-200^{Q&As}

Implementing an Azure Data Solution

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QUESTION 1

You need to implement event processing by using Stream Analytics to produce consistent JSON documents.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

You need to ensure that the missing indexes for REPORTINGDB are added.

What should you use?

- A. SQL Database Advisor
- B. extended events
- C. Query Performance Insight
- D. automatic tuning

Correct Answer: D

Automatic tuning options include create index, which identifies indexes that may improve performance of your workload, creates indexes, and automatically verifies that performance of queries has improved.

Scenario:

REPORTINGDB stores reporting data and contains server columnstore indexes.

Migrate SALESDB and REPORTINGDB to an Azure SQL database.

References:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-automatic-tuning>

QUESTION 2

You develop data engineering solutions for a company.

A project requires the deployment of resources to Microsoft Azure for batch data processing on Azure HDInsight. Batch processing will run daily and must:

Scale to minimize costs

Be monitored for cluster performance

You need to recommend a tool that will monitor clusters and provide information to suggest how to scale.

Solution: Monitor clusters by using Azure Log Analytics and HDInsight cluster management solutions.

Does the solution meet the goal?

- A. Yes



B. No

Correct Answer: A

HDInsight provides cluster-specific management solutions that you can add for Azure Monitor logs. Management solutions add functionality to Azure Monitor logs, providing additional data and analysis tools. These solutions collect important performance metrics from your HDInsight clusters and provide the tools to search the metrics. These solutions also provide visualizations and dashboards for most cluster types supported in HDInsight. By using the metrics that you collect with the solution, you can create custom monitoring rules and alerts.

References: <https://docs.microsoft.com/en-us/azure/hdinsight/hdinsight-hadoop-oms-log-analytics-tutorial>

QUESTION 3

HOTSPOT

You need to collect application metrics, streaming query events, and application log messages for an Azure Databrick cluster.

Which type of library and workspace should you implement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Library:

	▼
Azure Databricks Monitoring Library	
Microsoft Azure Management Monitoring Library	
PyTorch	
TensorFlow	

Workspace:

	▼
Azure Databricks	
Azure Log Analytics	
Azure Machine Learning	

Correct Answer:



Answer Area

Library: ▼

Azure Databricks Monitoring Library
Microsoft Azure Management Monitoring Library
PyTorch
TensorFlow

Workspace: ▼

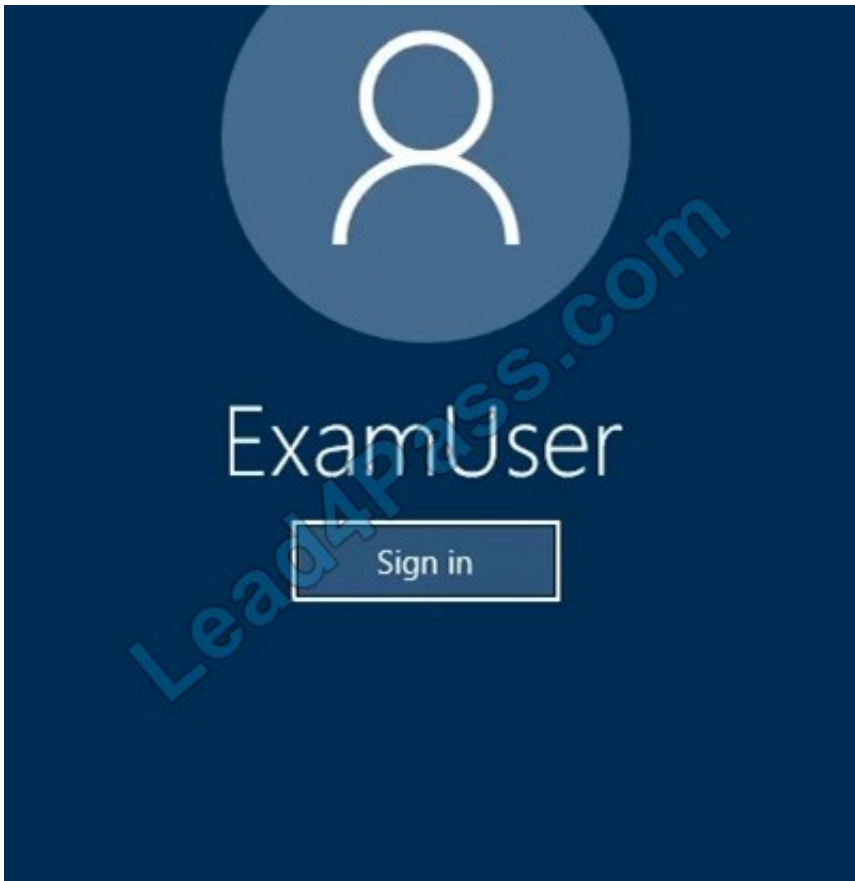
Azure Databricks	
Azure Log Analytics	
Azure Machine Learning	

You can send application logs and metrics from Azure Databricks to a Log Analytics workspace. It uses the Azure Databricks Monitoring Library, which is available on GitHub.

References: <https://docs.microsoft.com/en-us/azure/architecture/databricks-monitoring/application-logs>

QUESTION 4

SIMULATION



Use the following login credentials as needed:

Azure Username: xxxxx Azure Password: xxxxx The following information is for technical support purposes only:

Lab Instance: 10277521

You need to create an Azure SQL database named db3 on an Azure SQL server named SQL10277521. Db3 must use the Sample (AdventureWorksLT) source.

To complete this task, sign in to the Azure portal.

Correct Answer: See the below.

Explanation:

1.

Click Create a resource in the upper left-hand corner of the Azure portal.

2.

On the New page, select Databases in the Azure Marketplace section, and then click SQL Database in the Featured section.

3.

Fill out the SQL Database form with the following information, as shown below:



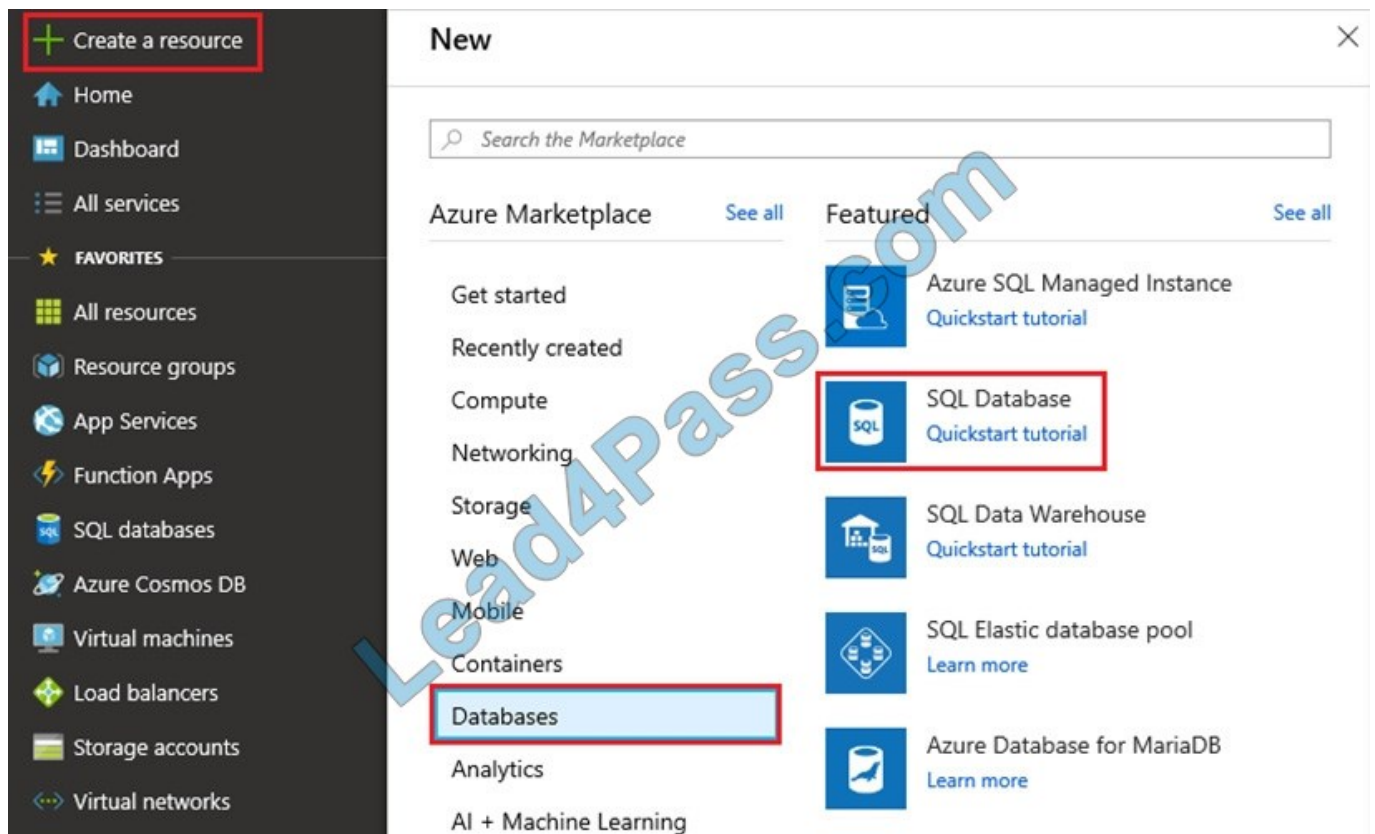
Database name: Db3

Select source: Sample (AdventureWorksLT)

Server: SQL10277521

4.

Click Select and finish the Wizard using default options.



References: <https://docs.microsoft.com/en-us/azure/sql-database/sql-database-design-first-database>

QUESTION 5

HOTSPOT

A company plans to analyze a continuous flow of data from a social media platform by using Microsoft Azure Stream Analytics. The incoming data is formatted as one record per row.

You need to create the input stream.

How should you complete the REST API segment? To answer, select the appropriate configuration in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



```
{  
  "properties" :{  
    "type": "stream",  
    "serialization": {  
      1  
      "properties":{  
        "fieldDelimiter": ".",  
        "encoding": "UTF8"  
      }  
    },  
    "datasource":{  
      2  
      "properties":{  
        "serviceBusNamespace": "sampleServiceBus",  
        "shareAccessPolicyName": "SampleReceiver",  
        "shareAccessPolicyKey": "<policykey>",  
        "eventHubName": "sampleEventHub"  
      }  
    }  
  }  
}
```

1
"type": "CSV"
"type": "Avro",
"type": "JSON",

2
"type": "Microsoft.Storage/Blob",
"type": "Microsoft.ServiceBus/EventHub",
"type": "Microsoft.Devices/IoTHubs",

Correct Answer:



```
{  
  "properties" :{  
    "type": "stream",  
    "serialization": {  
      1  
      "properties":{  
        "fieldDelimiter":",",  
        "encoding":"UTF8"  
      }  
    },  
    "datasource":{  
      2  
      "properties":{  
        "serviceBusNamespace":"sampleServiceBus",  
        "shareAccessPolicyName":"SampleReceiver",  
        "shareAccessPolicyKey":"<policykey>"  
        "eventHubName":"sampleEventHub"  
      }  
    }  
  }  
}
```

1 ▼

"type": "CSV"
"type": "Avro",
"type": "JSON",

2 ▼

"type": "Microsoft.Storage/Blob",
"type": "Microsoft.ServiceBus/EventHub",
"type": "Microsoft.Devices/IoTHubs",

Box 1: CSV

A comma-separated values (CSV) file is a delimited text file that uses a comma to separate values. A CSV file stores tabular data (numbers and text) in plain text. Each line of the file is a data record.

JSON and AVRO are not formatted as one record per row. Box 2: "type": "Microsoft.ServiceBus/EventHub", Properties include "EventHubName"

References: <https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analytics-define-inputs>
https://en.wikipedia.org/wiki/Comma-separated_values



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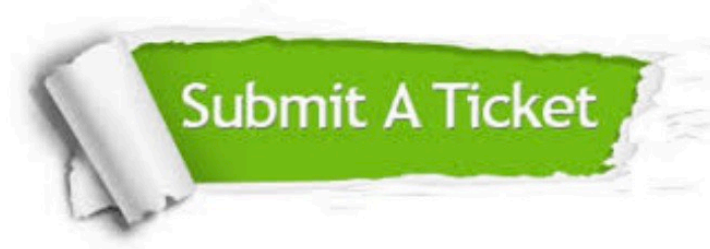
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100% Money Back Guarantee
365 Days Free Update
Instant Download After Purchase
24x7 Customer Support
Average 99.9% Success Rate
More than 800,000 Satisfied Customers Worldwide
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