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- A. Azure Event Hubs Standard
- B. Azure Stream Analytics
- C. Azure Data Factory
- D. Azure Event Hubs Dedicated

**Correct Answer: D**

**Explanation:**

The partition count for an event hub in a dedicated Event Hubs cluster can be increased after the event hub has been created.

Reference:

<https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-features#partitions>

### **QUESTION 21**

You have SQL Server 2019 on an Azure virtual machine that runs Windows Server 2019. The virtual machine has 4 vCPUs and 28 GB of memory.

You scale up the virtual machine to 8 vCPUs and 64 GB of memory.

You need to provide the lowest latency for tempdb.

What is the total number of data files that tempdb should contain?

- A. 2
- B. 4
- C. 8
- D. 64

**Correct Answer: C**

**Explanation:**

The number of files depends on the number of (logical) processors on the machine. As a general rule, if the number of logical processors is less than or equal to eight, use the same number of data files as logical processors. If the number of logical processors is greater than eight, use eight data files and then if contention continues, increase the number of data files by multiples of 4 until the contention is reduced to acceptable levels or make changes to the workload/code.

Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/databases/tempdb-database>

### **QUESTION 22**

**DRAG DROP**

You have a burstable Azure virtual machine named VMI that hosts an instance of Microsoft SQL Server.

You need to attach an Azure ultra disk to VMI. The solution must minimize downtime on VMI.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

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Actions	Answer Area
Attach the ultra disk.	
Stop and deallocate VM1.	
Set Enable Ultra disk compatibility to <b>Yes</b> .	
Resize VM1.	
Start VM1.	

### Correct Answer:

Actions	Answer Area
Attach the ultra disk.	Stop and deallocate VM1.
Stop and deallocate VM1.	Attach the ultra disk.
Set Enable Ultra disk compatibility to <b>Yes</b> .	Set Enable Ultra disk compatibility to <b>Yes</b> .
Resize VM1.	Resize VM1.
Start VM1.	Start VM1.

### QUESTION 23

You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Azure region
VM1	Azure virtual machine	West US 2
MI1	Azure SQL Managed Instance	East US

You need to configure a connection between VM1 and MI1. The solution must meet the following requirements:

- The connection must be encrypted.
- Network latency must be minimized.

What should you implement?

- A. virtual network peering
- B. private endpoints
- C. service endpoints
- D. a site-to-site VPN

**Correct Answer: B**

### QUESTION 24

You have an Azure Stream Analytics job.

You need to ensure that the job has enough streaming units provisioned.

You configure monitoring of the SU % Utilization metric.

Which two additional metrics should you monitor? Each correct answer presents part of the solution.

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NOTE: Each correct selection is worth one point.

- A. Late Input Events
- B. Out of order Events
- C. Backlogged Input Events
- D. Watermark Delay
- E. Function Events

**Correct Answer:** CD

**Explanation:**

To react to increased workloads and increase streaming units, consider setting an alert of 80% on the SU Utilization metric. Also, you can use watermark delay and backlogged events metrics to see if there is an impact.

Note:

Backlogged Input Events: Number of input events that are backlogged. A non-zero value for this metric implies that your job isn't able to keep up with the number of incoming events. If this value is slowly increasing or consistently non-zero, you should scale out your job, by increasing the SUs.

Reference:

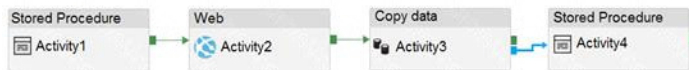
<https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analytics-monitoring>

### QUESTION 25

#### HOTSPOT

You have an Azure data factory that has two pipelines named PipelineA and PipelineB.

PipelineA has four activities as shown in the following exhibit.



PipelineB has two activities as shown in the following exhibit.



You create an alert for the data factory that uses Failed pipeline runs metrics for both pipelines and all failure types. The metric has the following settings:

- Operator: Greater than
- Aggregation type: Total
- Threshold value: 2
- Aggregation granularity (Period): 5 minutes
- Frequency of evaluation: Every 5 minutes

Data Factory monitoring records the failures shown in the following table.

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Pipeline	Activity	Time
PipelineA	Activity1	31-Jan-2020 10:44:00
PipelineA	Activity3	31-Jan-2020 10:47:00
PipelineB	Activity1	31-Jan-2020 10:50:00

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
An alert notification was sent after the failure of Activity1 in PipelineA.	<input type="radio"/>	<input type="radio"/>
An alert notification was sent after the failure of Activity3 in PipelineA.	<input type="radio"/>	<input type="radio"/>
An alert notification was sent after the failure of Activity1 in PipelineB.	<input type="radio"/>	<input type="radio"/>

**Correct Answer:**

Statements	Yes	No
An alert notification was sent after the failure of Activity1 in PipelineA.	<input type="radio"/>	<input checked="" type="radio"/>
An alert notification was sent after the failure of Activity3 in PipelineA.	<input type="radio"/>	<input checked="" type="radio"/>
An alert notification was sent after the failure of Activity1 in PipelineB.	<input type="radio"/>	<input checked="" type="radio"/>

### QUESTION 26

#### DRAG DROP

You have a resource group named App1Dev that contains an Azure SQL Database server named DevServer1. DevServer1 contains an Azure SQL database named DB1. The schema and permissions for DB1 are saved in a Microsoft SQL Server Data Tools (SSDT) database project.

You need to populate a new resource group named App1Test with the DB1 database and an Azure SQL Server named TestServer1. The resources in App1Test must have the same configurations as the resources in App1Dev.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

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Actions	Answer Area
Change the Active Directory Admin on TestServer1	
Change the server name and related variables in the templates	
From the database project, deploy the database schema and permissions	➤
Add IP addresses to the firewall	➤
From the Azure portal, export the Azure Resource Manager templates	⬅
From the Azure portal, deploy the templates.	⬅

### Correct Answer:

Actions	Answer Area
Change the Active Directory Admin on TestServer1	
Change the server name and related variables in the templates	
From the database project, deploy the database schema and permissions	➤
Add IP addresses to the firewall	➤
From the Azure portal, export the Azure Resource Manager templates	⬅
From the Azure portal, deploy the templates.	⬅

### QUESTION 27

You have an Azure SQL database named DB1 that contains a private certificate named Sales. The private key for Sales is encrypted with a password. You need to change the password for the private key. Which Transact-SQL statement should you run?

- A. 

```
ALTER CERTIFICATE Sales
WITH PRIVATE KEY (DECRYPTION BY PASSWORD = 'Mb^6BK&*w%',
ENCRYPTION BY PASSWORD = '6YY9YcD!pV');
```
- B. 

```
ALTER CERTIFICATE Sales
WITH PRIVATE KEY (ENCRYPTION BY PASSWORD = '6YY9YcD!pV');
```
- C. 

```
ALTER CERTIFICATE Sales WITH PRIVATE KEY (FILE = 'D:\importkeys\SalesNew, DECRYPTION
```
- D. 

```
ALTER CERTIFICATE Sales WITH PRIVATE KEY (DECRYPTION BY PASSWORD = 'EWYx9Xk+${#}');
```

**Correct Answer: C**

### QUESTION 28

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