Congratulations! You passed!
TO PASS 80% or higher

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Course practice exam

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1. You are developing an e-commerce website that handles millions of orders and captures user behavior. Users must be informed as and when there is progress for their order. **1 / 1 point**

   Which Azure service should you use to respond to events while processing an order?

   - ○ Azure Service Bus
   - ◉ Azure Event Grid
   - ○ Azure Event Hubs

   Correct
   Event Grid is an eventing backplane that enables event-driven, reactive programming. It uses a publish-subscribe model. Publishers emit events but have no expectation about which events are handled. Subscribers decide which events they want to handle.

2. True or False? **1 / 1 point**

   Each event that can pass through Event Grid can have a size of up to 128 KB. size limit of an event that can pass through Event Grid?

   - ○ True
   - ◉ False

   Correct
   Each event can be up to 64 KB.

3. A retail chain that has 500 stores is using POS devices to receive payments and collect data. A single device can produce 1.5 megabytes (MB) of data. You need to implement a solution to receive the device data and you also need to correlate the data with the device that it provides it. **1 / 1 point**

   Solution: Provision an Azure Event Grid. Configure the machine identifier as the partition key and enable capture.

   Does the solution meet the goal?

   - ○ Yes
   - ◉ No

   Correct
   Azure Event Grid is for managing the routing of all events from any source to any destination and the event size limit is 1MB.

4. You are developing a web application for your customer. To ensure a microservices approach, the components of the application are decoupled asynchronous communication. You rely on the order of the messages to map the flow of the data. **0 / 1 point**

   Which Azure service do you include in your development?

   - ◉ Storage Queues
   - ○ Azure Notification Hubs
   - ○ Service Bus
   - ○ Event Grid

   Incorrect
   Try going back and reviewing Module 2 – Implement messaged-based communication workflows with Azure Service Bus.

5. You are developing an application that will interact programmatically with Azure Service Bus. You want to use the library of classes that Microsoft provides and which you can use in any .NET Framework language. **1 / 1 point**

   What should you do to make use of this library?

- Nothing. These classes are automatically included in any development environment
- (selected) Install the Microsoft.Azure.ServiceBus NuGet package
- Install a special software that Microsoft provides to use these classes

✓ **Correct**
You can include this library in your application by adding the Microsoft.Azure.ServiceBus NuGet package.

6. A retail chain that has 500 stores is using POS devices to receive payments and collect data. A single device can produce 1.5 megabytes (MB) of data. You need to implement a solution to receive the device data and you also need to correlate the data with the device that it provides it.

1 / 1 point

Solution: Provision an Azure Service Bus. Configure a topic to receive the device data by using a correlation filter.

Does the solution meet the goal?

- (selected) Yes
- No

✓ **Correct**
The Service Bus is for a high-value enterprise messaging, and is used for order processing and financial transactions.

7. You are planning on developing a solution that will handle a lot of messages per second through a single queue in Azure Queue Storage. What is the maximum number of messages that can be processed per second, in this case?

1 / 1 point

- 1000 messages per second
- 10000 messages per second
- 5000 messages per second
- (selected) 2000 messages per second

✓ **Correct**
The target throughput for a single queue is 2000 messages per second, allowing it to handle high-volume scenarios.

8. True or False?

1 / 1 point

The Azure Storage client library uses a connection string to establish your connection. Your connection string can only be retrieved via the Azure portal.

- (selected) False
- True

✓ **Correct**
The connection string can be retrieved in various ways, including the Azure Portal, Azure CLI, or PowerShell.

9. By using Azure Event Hubs in combination with Azure Stream Analytics, you can analyze complex data in near real time.

1 / 1 point

- (selected) True
- Azure Service Bus

✓ **Correct**
Using Event Hubs with Stream Analytics allows complex analysis of data in near real time.

10. You plan on creating an application that will receive and process events from an Azure EvenHub. You plan on achieving this in a programmatic manner. Which methods do you need to implement to achieve this?

0 / 1 point

Select all options that apply.

- [x] EventProcessorHost

✓ **Correct**
This programmatic method can be used to receive and process events.

- [x] EventReceiver

✗ **This should not be selected**
Try going back and reviewing Module 4 – Enable reliable messaging for Big Data applications using Azure Event

Hubs.

- [x] EventHubReceiver

Correct
This programmatic method can be used to receive and process events.

- [x] EventHostReceiver

This should not be selected
Try going back and reviewing Module 4 – Enable reliable messaging for Big Data applications using Azure Event Hubs.