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1. Azure Event Grid can distribute events from various Azure resource types. Which of the following can generate events which can be handled by Azure Event Grid?

1 / 1 point

- [ ] Azure Logic Apps
- [x] Azure Service Bus

Correct
Azure Storage accounts can generate events that can be distributed by Azure Event Grid.

- [ ] Azure Virtual Machines
- [x] Azure Storage Accounts

Correct
Azure Storage accounts can generate events that can be distributed by Azure Event Grid.

- [x] Azure Subscriptions

Correct
Azure Storage accounts can generate events that can be distributed by Azure Event Grid.

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?

- (•) No
- ( ) Yes

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.

1 / 1 point

Which Azure service do you include in your development?

- (•) Service Bus
- ( ) Azure Notification Hubs
- ( ) Storage Queues
- ( ) Event Grid

✓ **Correct**

You should consider using Service Bus queues when:

• Your solution must be able to receive messages without having to poll the queue. With Service Bus, this can be achieved through the use of the long-polling receive operation using the TCP-based protocols that Service Bus supports.

• Your solution requires the queue to provide a guaranteed first-in-first-out (FIFO) ordered delivery.

• Your solution must be able to support automatic duplicate detection.

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?

- (●) Install the Microsoft.Azure.ServiceBus NuGet package
- ( ) Nothing. These classes are automatically included in any development environment
- ( ) 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. You plan on developing a solution that will assure a messaging component. This component should be able to provide transactional support, store the messages for an indefinite period, and detect duplicates. **1 / 1 point**

Which two technologies will meet the requirements?

- [ ] Azure Storage Queue
- [ ] Azure Event Hub
- [x] Azure Service Bus Queue

✓ **Correct**

Service Bus is a transactional message broker and ensures transactional integrity for all internal operations against its message stores. All transfers of messages inside of Service Bus, such as moving messages to a dead-letter queue or automatic forwarding of messages between entities, are transactional.

- [x] Azure Service Bus Topic

✓ **Correct**

If Service Bus accepts a message, it has already been stored and labeled with a sequence number. From then on, any message transfers within Service Bus are coordinated operations across entities, and will neither lead to loss (source succeeds and target fails) or to duplication (source fails and target succeeds) of the message.

7. You plan on creating an application for a retail company that will handle different components of a transaction. Services like inventory, payment, and shipping will be managed by different cloud services. What service should you include in your application to ensure asynchronous communication through REST messages about transaction information? **1 / 1 point**

- ( ) Azure Notification Hubs
- ( ) Azure Blob storage
- (●) Azure Queue Storage

✓ **Correct**

Azure Queue Storage is a service for storing large numbers of messages. You access messages from anywhere in the world via authenticated calls using HTTP or HTTPS. A queue message can be up to 64 KB in size. A queue may contain millions of messages, up to the total capacity limit of a storage account. Queues are commonly used to create a backlog of work to process asynchronously.

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.

- (●) 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**

- Azure Service Bus
- True (selected)

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

10. You are planning on creating an Event Hubs namespace, and an Event Hub in a new resource group. You plan on automating the creation of these resources with the help of Azure CLI. **1 / 1 point**

Which three commands should you use?

- [x] az eventhubs eventhub create

Correct
This CLI command will create an Event Hub.

- [ ] az eventhubs eventhub update
- [x] az eventhubs namespace create

Correct
This CLI command will create an EventHubs namespace.

- [x] az group create

Correct
This CLI command will create a new resource group.

- [ ] az eventhubs namespace update