



AZ-204^{Q&As}

Developing Solutions for Microsoft Azure

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**QUESTION 1**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

You are developing and deploying several ASP.NET web applications to Azure App Service. You plan to save session state information and HTML output. You must use a storage mechanism with the following requirements:

1.
Share session state across all ASP.NET web applications.
2.
Support controlled, concurrent access to the same session state data for multiple readers and a single writer.
3.
Save full HTTP responses for concurrent requests.

You need to store the information.

Proposed Solution: Deploy and configure an Azure Database for PostgreSQL. Update the web applications.

Does the solution meet the goal?

- A. Yes
- B. No

Correct Answer: B

Instead deploy and configure Azure Cache for Redis. Update the web applications.

Reference: <https://docs.microsoft.com/en-us/azure/architecture/best-practices/caching#managing-concurrency-in-a-cache>

QUESTION 2

A company is developing a solution that allows smart refrigerators to send temperature information to a central location. You have an existing Service Bus.

The solution must receive and store messages until they can be processed. You create an Azure Service Bus instance by providing a name, pricing tier, subscription, resource group, and location.

You need to complete the configuration.



- A. `New-AzureRmServiceBusNamespace`
 `-ResourceGroupName fridge-rg`
 `-NamespaceName fridge-ns`
 `-Location fridge-loc`
- B. `az servicebus namespace create`
 `- -resource-group fridge-rg`
 `- -name fridge-ns`
 `- -location fridge-loc`
- C. `New-AzureRmResourceGroup`
 `-Name fridge-rg`
 `-Location fridge-loc`
- D. `az servicebus queue create`
 `--resource-group fridge-rg`
 `--namespace-name fridge-ns`
 `--name fridge-q`

Which Azure CLI or PowerShell command should you run?

- A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: D

A service bus instance has already been created (Step 2 below). Next is step 3, Create a Service Bus queue.

Note:

Steps:

Step 1: # Create a resource group

```
resourceGroupName="myResourceGroup"
```

```
az group create --name $resourceGroupName --location eastus
```

Step 2: # Create a Service Bus messaging namespace with a unique name

```
namespaceName=myNameSpace$RANDOM
```

```
az servicebus namespace create --resource-group $resourceGroupName --name $namespaceName --location eastus
```

Step 3: # Create a Service Bus queue



```
az servicebus queue create --resource-group $resourceGroupName --namespace-name $namespaceName --name BasicQueue
```

Step 4: # Get the connection string for the namespace

```
connectionString=$(az servicebus namespace authorization-rule keys list --resource-group $resourceGroupName --namespace-name $namespaceName --name RootManageSharedAccessKey --query primaryConnectionString --output tsv)
```

References:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-quickstart-cli>

QUESTION 3

HOTSPOT

You are developing an Azure App Service hosted ASP.NET Core API app by using C#. The API app will allow users to authenticate by using Twitter and Azure Active Directory (Azure AD).

Users must be authenticated before calling API methods. You must log the user's name for each method call.

You need to configure the API method calls.

Which values should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Code segment

Value

Attribute

	▼
Authorize	
AllowAnonymous	
AutoValidateAntiforgeryToken	

Request Header

	▼
X-MS-CLIENT-PRINCIPAL-NAME	
Proxy-Authorization	
X-Forwarded-For	
X-MS-CLIENT-PRINCIPAL-ID	



Correct Answer:

Answer Area

Code segment

Value

Attribute

	▼
Authorize	
AllowAnonymous	
AutoValidateAntiforgeryToken	

Request Header

	▼
X-MS-CLIENT-PRINCIPAL-NAME	
Proxy-Authorization	
X-Forwarded-For	
X-MS-CLIENT-PRINCIPAL-ID	

Box 1: Authorize

Box 2: X-MS-CLIENT-PRINCIPAL-NAME

App Service passes user claims to your application by using special headers. External requests aren't allowed to set these headers, so they are present only if set by App Service. Some example headers include:

X-MS-CLIENT-PRINCIPAL-NAME X-MS-CLIENT-PRINCIPAL-ID Here's the set of headers you get from Easy Auth for a Twitter authenticated user:

```
{ "cookie": "AppServiceAuthSession=Lx43...xHDTA==", ...
  "x-ms-client-principal-name": "evilSnobu",
  "x-ms-client-principal-id": "35....",
  "x-ms-client-principal-idp": "twitter",
  "x-ms-token-twitter-access-token": "35...Dj",
  "x-ms-token-twitter-access-token-secret": "OK3...Jx",
}
```

References: <https://docs.microsoft.com/en-us/azure/app-service/app-service-authentication-how-to>

QUESTION 4



You need to investigate the Azure Function app error message in the development environment. What should you do?

- A. Connect Live Metrics Stream from Application Insights to the Azure Function app and filter the metrics.
- B. Create a new Azure Log Analytics workspace and instrument the Azure Function app with Application Insights.
- C. Update the Azure Function app with extension methods from Microsoft.Extensions.Logging to log events by using the log instance.
- D. Add a new diagnostic setting to the Azure Function app to send logs to Log Analytics.

Correct Answer: A

Azure Functions offers built-in integration with Azure Application Insights to monitor functions.

The following areas of Application Insights can be helpful when evaluating the behavior, performance, and errors in your functions:

Live Metrics: View metrics data as it's created in near real-time. Failures Performance Metrics

Reference: <https://docs.microsoft.com/en-us/azure/azure-functions/functions-monitoring>

QUESTION 5

HOTSPOT

You are building a traffic monitoring system that monitors traffic along six highways. The system produces time series analysis-based reports for each highway. Data from traffic sensors are stored in Azure Event Hub.

Traffic data is consumed by four departments. Each department has an Azure Web App that displays the time series-based reports and contains a WebJob that processes the incoming data from Event Hub. All Web Apps run on App Service

Plans with three instances.

Data throughput must be maximized. Latency must be minimized.

You need to implement the Azure Event Hub.

Which settings should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

Setting	Value
Number of partitions	<input type="text" value="3"/> ▼ 3 4 6 12
Partition Key	<input type="text" value="Highway"/> ▼ Highway Department Timestamp VM name

Correct Answer:



Answer Area

Setting	Value
Number of partitions	<input type="text" value="6"/>
Partition Key	Highway

Box 1: 6

The number of partitions is specified at creation and must be between 2 and 32.

There are 6 highways.

Box 2: Highway

Reference:

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

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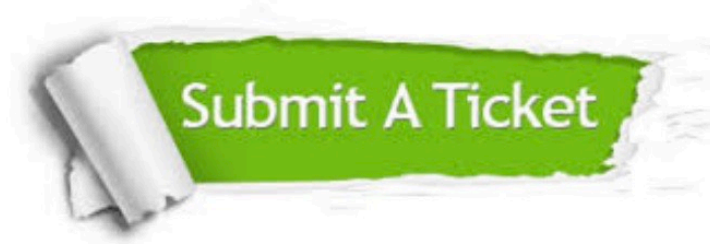
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