AZ-204 Valid Test Registration Exam 100% Pass | Microsoft AZ-204: Developing Solutions for Microsoft Azure

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When preparing to take the Developing Solutions for Microsoft Azure (AZ-204) exam dumps, knowing where to start can be a little frustrating, but with Microsoft AZ-204 practice questions, you will feel fully prepared. Using our Microsoft AZ-204 practice test Test4Engine, you can prepare for the increased difficulty on AZ-204 Exam day. Plus, we have various question types and difficulty levels so that you can tailor your Microsoft AZ-204 exam dumps preparation to your requirements.

Microsoft AZ-204 exam is a certification exam designed for developers who want to validate their skills in developing solutions for Microsoft Azure. AZ-204 exam is part of the Azure Developer Associate certification, which is suitable for developers who are interested in building cloud solutions using the Azure platform. AZ-204 Exam validates the candidate's skills in developing Azure solutions using various programming languages, tools, and services.

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To take the AZ-204 exam, candidates should have experience developing solutions using C#, Node.js, Azure CLI, Azure

PowerShell, and Azure Functions. Candidates should also have a strong understanding of Azure services, including Azure App Service, Azure Functions, Azure Storage, and Azure Cosmos DB. AZ-204 exam is intended for developers with at least one year of experience developing scalable solutions through all phases of software development and deployment. Passing the AZ-204 Exam will earn the candidate the Microsoft Certified: Azure Developer Associate certification. Developing Solutions for Microsoft Azure certification demonstrates to employers that the candidate has the skills and knowledge to develop applications using Microsoft Azure.

Microsoft Developing Solutions for Microsoft Azure Sample Questions (Q328-Q333):

NEW QUESTION # 328
Case Study 5
Requirements
Receipt processing
Concurrent processing of a receipt must be prevented.
Logging
Azure Application Insights is used for telemetry and logging in both the processor and the web application. The processor also has TraceWriter logging enabled. Application Insights must always contain all log messages.
Disaster recovery
Regional outage must not impact application availability. All DR operations must not be dependent on application running and must ensure that data in the DR region is up to date.
Security
* Users' SecurityPin must be stored in such a way that access to the database does not allow the viewing of SecurityPins. The web application is the only system that should have access to SecurityPins.
* All certificates and secrets used to secure data must be stored in Azure Key Vault.
* You must adhere to the principle of least privilege and provide privileges which are essential to perform the intended function.
* All access to Azure Storage and Azure SQL database must use the application's Managed Service Identity (MSI)
* Receipt data must always be encrypted at rest.
* All data must be protected in transit
* User's expense account number must be visible only to logged in users. All other views of the expense account number should include only the last segment, with the remaining parts obscured.
* In the case of a security breach access to all summary reports must be revoked without impacting other parts of the system.
Issues
Upload format issue
Employees occasionally report an issue with uploading a receipt using the web application. They report that when they upload a receipt using the Azure File Share, the receipt does not appear in their profile. When this occurs, they delete the file in the file share and use the web application, which returns a 500 Internal Server error page.
Capacity issue
During busy periods, employees report long delays between the time they upload the receipt and when it appears in the web application.
Log capacity issue
Developers report that the number of log message in the trace output for the processor is too high, resulting in lost log messages.
Application code
Processing.cs

```
PC02 {
PC03 public static class Function
PC04 {
PC05   [FunctionName("IssueWork")]
PC06   public static async Task Run([TimerTrigger("0*/5" * * *")] TimerInfo timer, ILogger log
PC07   {
PC08     var container = await GetCloudBlobContainer();
PC09     foreach (var fileItem in await ListFiles())
PC10     {
PC11       var file = new CloudFile(fileItem.StorageUri.PrimaryUri);
PC12       var ms = new MemoryStream();
PC13       await file.DownloadToStream();
PC14       var blob = container.GetBlockBlobReference(fileItem.Uri.ToString());
PC15       await blob.UploadFromStreamAsync(ms);
PC16
PC17  }
PC18  }
PC19  private static CloudBlockBlob GetDRBlob(CloudBlockBlob sourceBlob)
PC20  {
PC21  . . .
PC22 }
PC23 private static async Task<CloudBlobContainer>GetCloudBlobContainer()
PC24 {
PC25     var cloudBlobClient = new CloudBlobClient(new Uri(" . . ."), await GetCredentials());
PC26
PC27     await cloudBlobClient.GetRootContainerReference().CreareIfNoExistsAsync();
PC28     return cloudBlobClient.GetRootContainerReference();
PC29 }
PC30   private static async Task<StorageCredentials>GetCredentials()
PC31    {
PC32    . . .
PC33    }
PC34    private static async Task<List<IlistFileItem>> ListFiles()
PC35     {
PC36       . . .
PC37     }
PC37     private KeyVaultClient _keyVaultClient = new KeyVaultClient(" . . .");
PC38   }
```

Database.cs

```
DB01   public class Database
DB02   {
DB03      private string ConnectionString =
DB04
DB05     public async Task<Object> LoadUserDetails(string userId)
DB06     {
DB07
DB08     return await policy.ExecuteAsync(async () =>
DB09     {
DB10       using (var connection = new SqlConnection(ConnectionString))
DB11       {
DB12       await connection.OpenAsync();
DB13       using (var command = new SqlCommand("_", connection))
DB14       using (var reader = command.ExecuteReader())
DB15       {
DB16         _
DB17       }
DB18          }
DB19     });
DB20   }
DB21 }
```

ReceiptUploader.cs

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```
RU01 public class ReceiptUploader
RU02 {
RU03    public async Task UploadFile(string file, byte[] binary)
RU04    {
RU05    var httpClient = new HttpClient();
RU06    var response = await httpClient.PutAsync("_", new ByteArrayContent(binary));
RU07    while (ShouldRetry(response))
RU08    {
RU09      response = await httpClient.PutAsync("_", new ByteArrayContent(binary));
RU10    }
RU11       }
RU12       private bool ShouldRetry(HttpResponseMessage response)
RU13       {
RU14
RU15       }
RU16   }
```

ConfigureSSE.ps1

```
CS01 $storageAccount = Get-AzureRmStorageAccount -ResourceGroupName "…" -AccountName "…"
CS02 $keyVault = Get-AzureRmKeyVault -VaultName "…"
CS03 $key = Get-AzureKeyVaultKey -VaultName $keyVault.VaultName -Name "…"
CS04   Set-AzureRmKeyVaultAccessPolicy `
CS05   -VaultName $keyVault.VaultName `
CS06   -ObjectId $storageAccount.Identity.PrincilalId `
CS07
CS08
CS09   Set-AzureRmStorageAccount `
CS10  -ResourceGroupName $storageAccount.ResourceGroup Name `
CS11  -AccountName $storageAccount.StorageAccountName `
CS12  -EnableEncryptionService File `
CS13  -KeyvaultEncryption `
CS14  -KeyName $key.Name
CS15  -KeyVersion $key.Version `
CS16  -KeyVaultUri $keyVault.VaultUri
```

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You need to ensure that the SecurityPin security requirements are met.

Solution: Enable Always Encrypted for the SecurityPin column using a certificate contained in Azure Key Vault and grant the WebAppIdentity service principal access to the certificate.

Does the solution meet the goal?

- A. No
- B. Yes

Answer: B

Explanation:

Scenario: Users' SecurityPin must be stored in such a way that access to the database does not allow the viewing of SecurityPins. The web application is the only system that should have access to SecurityPins.

NEW QUESTION # 329

You develop software solutions for a mobile delivery service. You are developing a mobile app that users can use to order from a restaurant in their are a. The app uses the following workflow:

A driver selects the restaurants from which they will deliver orders.

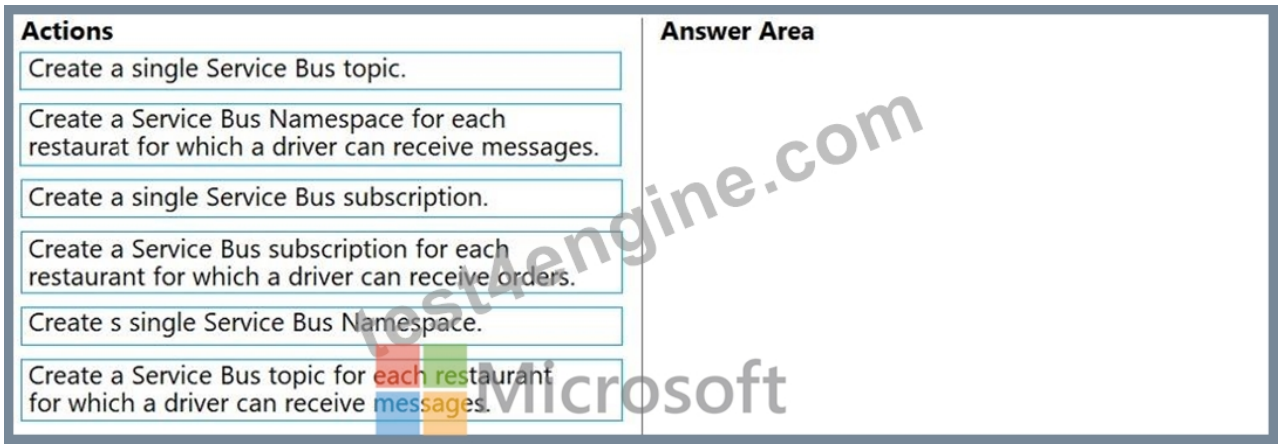
Orders are sent to all available drivers in an area.

Only orders for the selected restaurants will appear for the driver.

The first driver to accept an order removes it from the list of available orders.

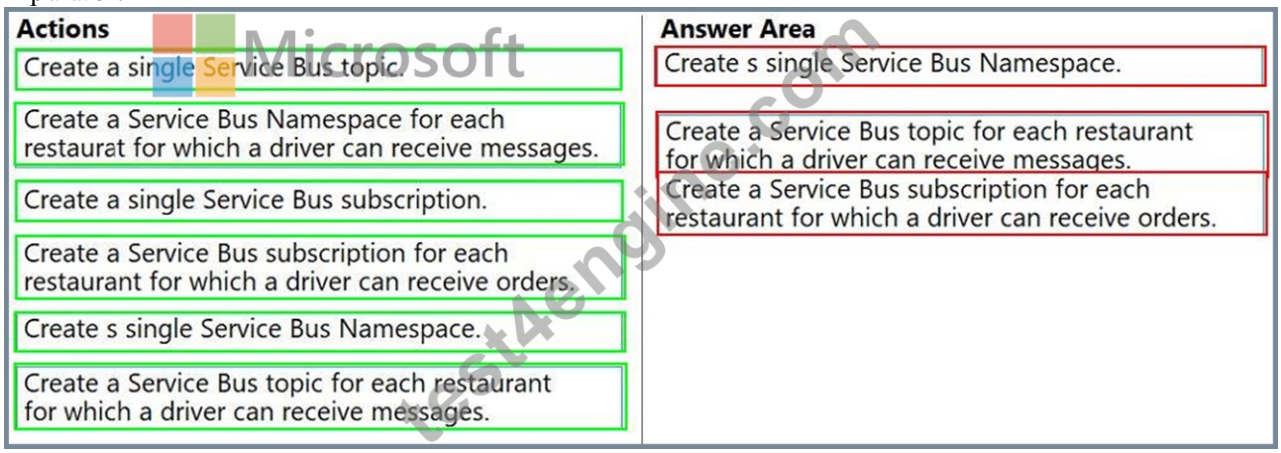
You need to implement an Azure Service Bus solution.

Which three 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.



Answer:

Explanation:



Reference:
https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-messaging-overview

NEW QUESTION # 330

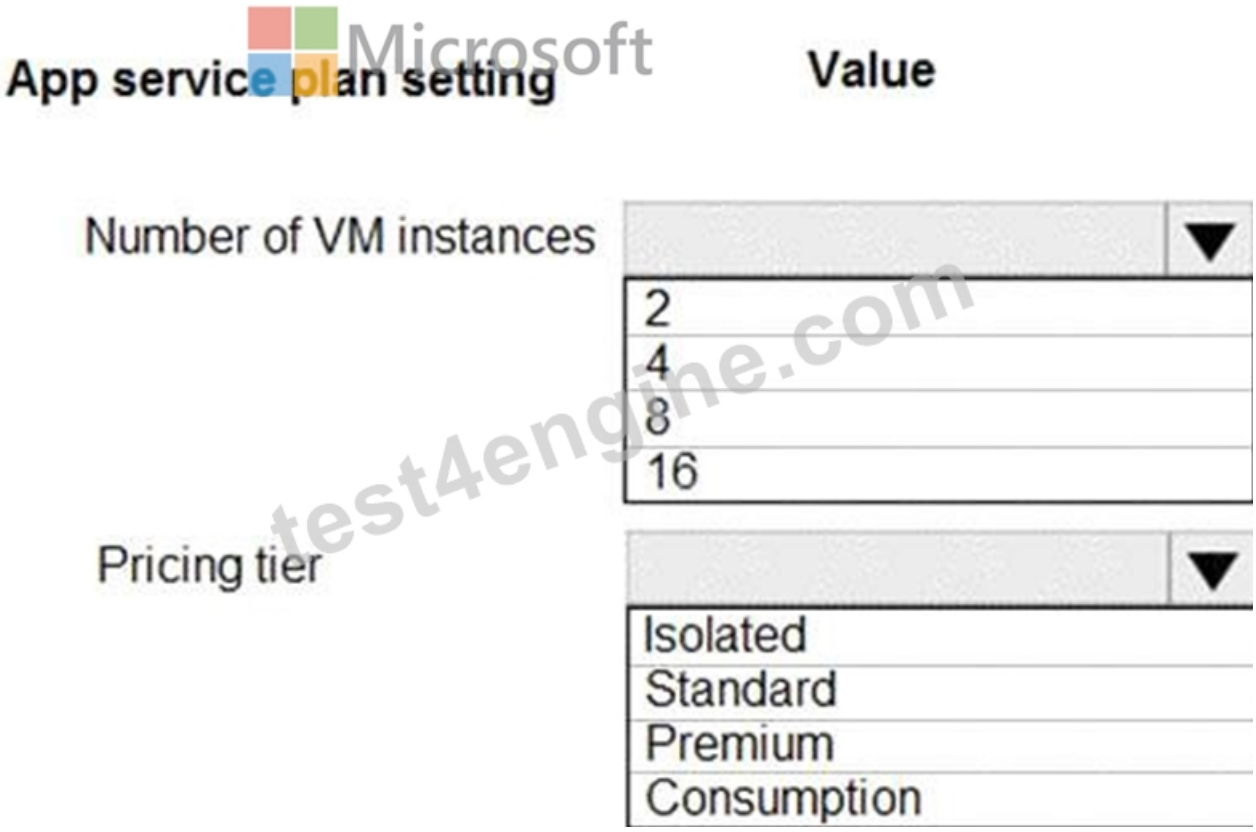
You are implementing a software as a service (SaaS) ASP.NET Core web service that will run as an Azure Web App. The web service will use an on-premises SQL Server database for storage. The web service also includes a WebJob that processes data updates. Four customers will use the web service.

* Each instance of the WebJob processes data for a single customer and must run as a singleton instance.
* Each deployment must be tested by using deployment slots prior to serving production data.
* Azure costs must be minimized.
* Azure resources must be located in an isolated network.

You need to configure the App Service plan for the Web App.

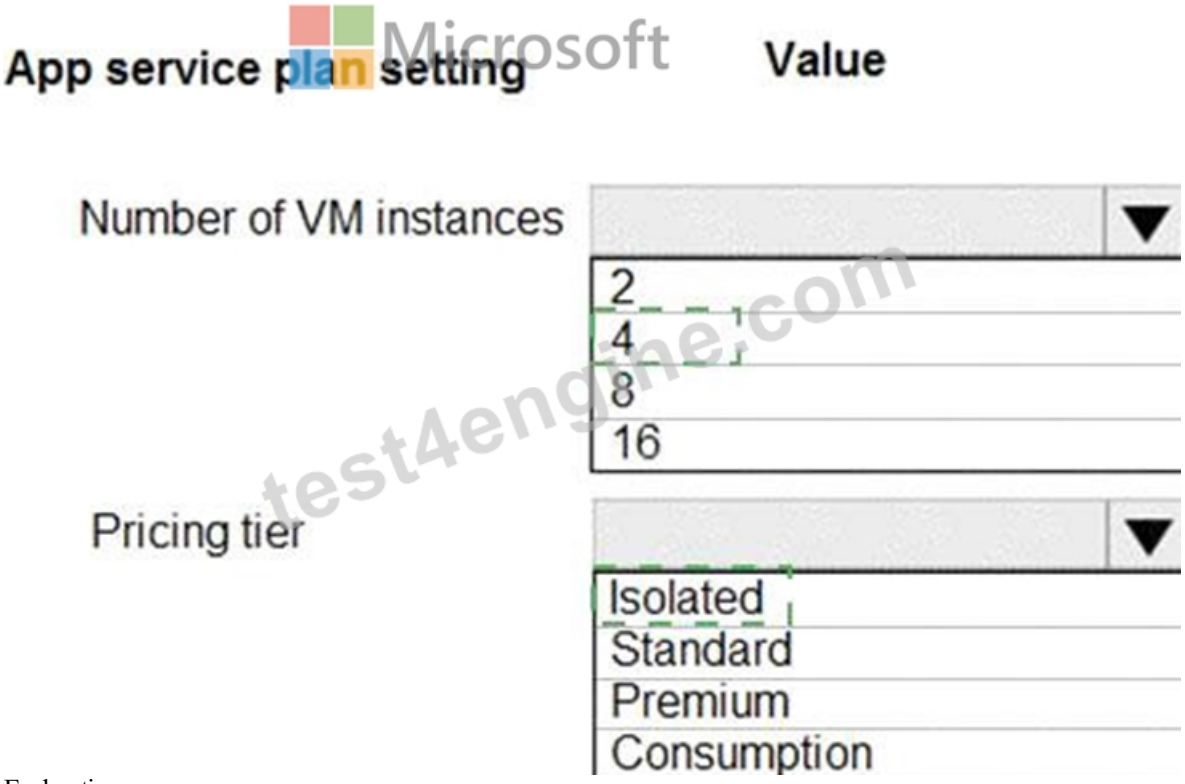
How should you configure the App Service plan? To answer, select the appropriate settings in the answer area.

NOTE: Each correct selection is worth one point.

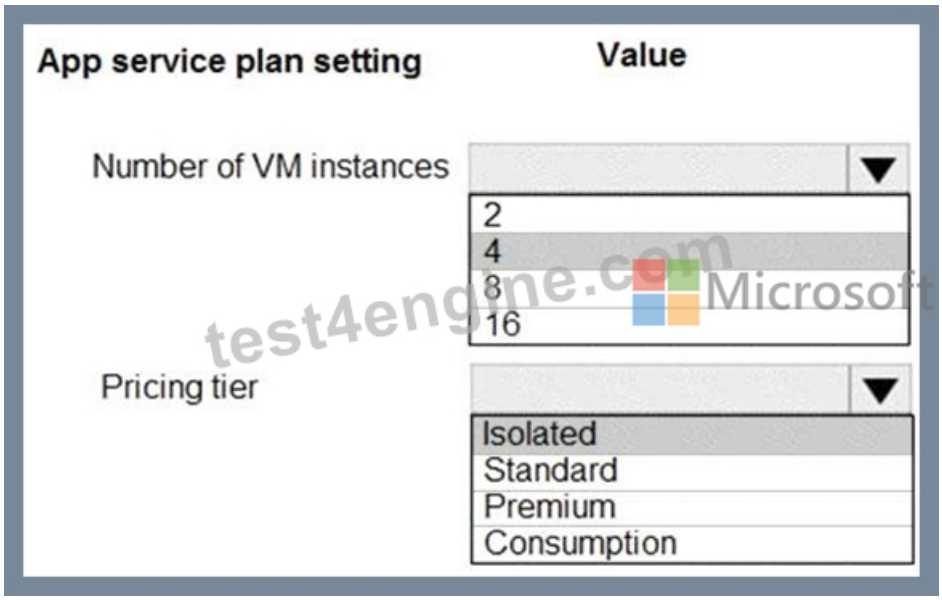


Answer:

Explanation:

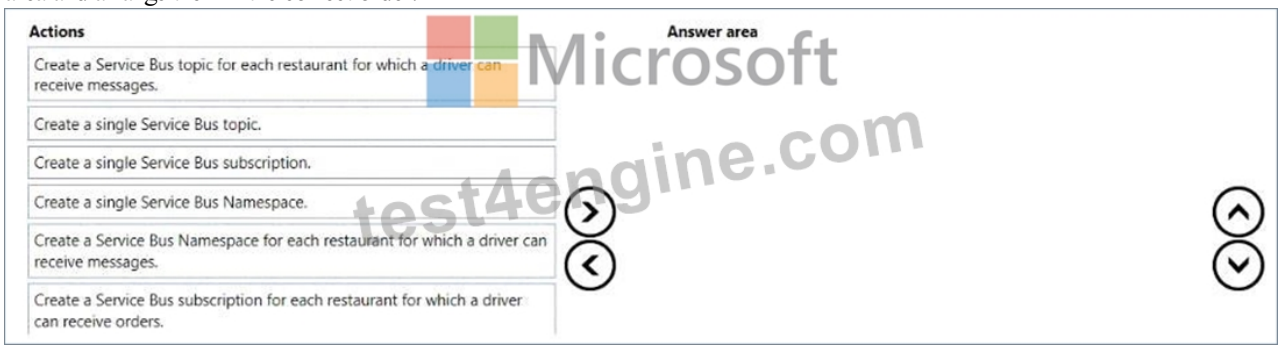


Explanation



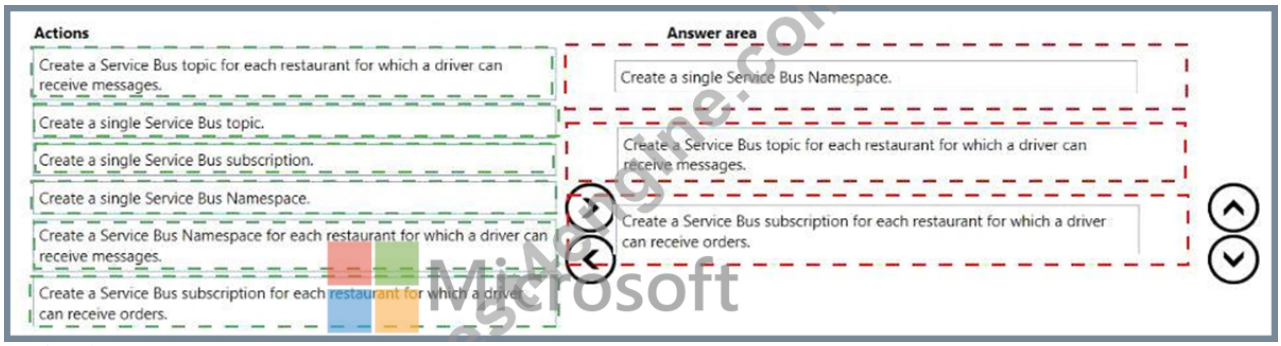
Number of VM instances: 4
You are not charged extra for deployment slots.
Pricing tier: Isolated
The App Service Environment (ASE) is a powerful feature offering of the Azure App Service that gives network isolation and improved scale capabilities. It is essentially a deployment of the Azure App Service into a subnet of a customer's Azure Virtual Network (VNet).
References:
https://azure.microsoft.com/sv-se/blog/announcing-app-service-isolated-more-power-scale-and-ease-of-use/

NEW QUESTION # 331
You develop software solutions for a mobile delivery service. You are developing a mobile app that users can use to order from a restaurant in their area. The app uses the following workflow:
1. A driver selects the restaurants for which they will deliver orders.
2. Orders are sent to all available drivers in an area.
3. Only orders for the selected restaurants will appear for the driver.
4. The first driver to accept an order removes it from the list of available orders.
You need to implement an Azure Service Bus solution.
Which three 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.



Answer:

Explanation:



Explanation

Box 1: Create a single Service Bus Namespace

To begin using Service Bus messaging entities in Azure, you must first create a namespace with a name that is unique across Azure. A namespace provides a scoping container for addressing Service Bus resources within your application.

Box 2: Create a Service Bus Topic for each restaurant for which a driver can receive messages.

Create topics.

Box 3: Create a Service Bus subscription for each restaurant for which a driver can receive orders.

Topics can have multiple, independent subscriptions.

References:

https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-messaging-overview

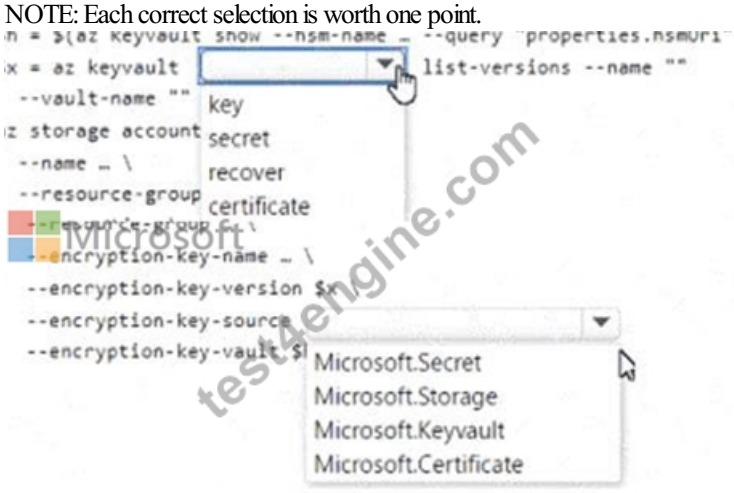
NEW QUESTION # 332

You are developing an application that uses Azure Storage to store customer data. The data must only be decrypted by the customer and the customer must be provided a script to rotate keys.

You need to provide a script to rotate keys to the customer.

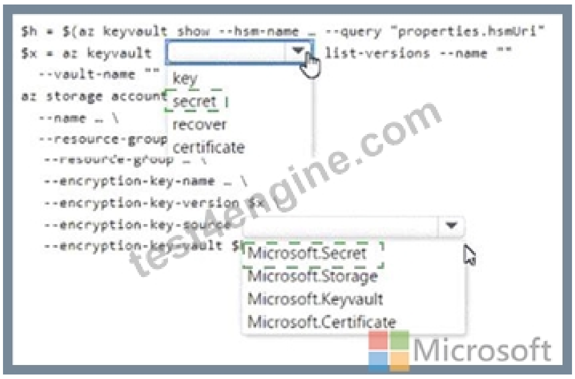
How should you complete the command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer:

Explanation:



NEW QUESTION # 333

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