Free Test

Completed on 14-July-2020

Attempt	Marks Obtained	Your score	Time Taken	Result
01	11 / 15	73.33%	00 H 22 M 12 S	Failed

Domains wise Quiz Performance Report

No	Domain	Total Question	Correct	Incorrect	Unattempted	Marked as Review
1	Connect to and consume Azure services and third-party services	4	3	1	0	0
2	Develop Azure compute solutions	5	5	0	0	0
3	Implement Azure security	2	0	2	0	0
4	Monitor, troubleshoot, and optimize Azure solutions	2	1	1	0	0
5	Develop for Azure storage	2	2	0	0	0
Total	All Domain	15	11	4	0	0

Review the Answers

Sorting by All

Question 1 Correct

Domain :Connect to and consume Azure services and third-party services

A company is building a traffic monitoring system. The system would be monitoring the traffic along 4 highways. The system would be responsible for producing a time series-based analysis report for each highway.
The traffic sensors on each highway have been configured to send its data to Azure Event Hubs. The data from Event Hubs is then consumed by three departments. Each department makes use of an Azure Web App to display the data.
You have to implement the Azure Event Hub instance. You need to implement a solution which ensures data throughput is maximized and latency is minimized.
Which of the following would you use as the partition key?

- A. **Highway**
- B. **Department**
- C. **Timestamp**
- D. **Datestamp**

Explanation:

Answer - A

Since the data would come in for each highway, the highway represented by probably a highway number would be ideal for the partition key.

The other options are incorrect since they would not provide ideal values for the distribution of data across the partitions.

For more information on partition keys, please visit the following URL

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

Ask our Experts Rate this Question?

View Queries open

Question 2 Correct

Domain :Develop Azure compute solutions

You are going to deploy a web application onto Azure. You would make use of the App Service on Linux. You go ahead and create an App Service Plan. You then go ahead and publish a custom docker image onto the Azure Web App. You need to access the console logs generated from the container in real time.
You need to complete the following Azure CLI script for this

az webapp log **Slot 1** --name whizlabwebapp --resource-group whizlab-rg **Slot 2**
filesystem

az **Slot 3** log **Slot 4** --name whizlabwebapp --resource-group whizlab-rg

Which of the following would go into Slot 1?

- ✓ A. **config**
- B. **download**
- C. **show**
- D. **tail**

Explanation:

Answer – A

To configure "logging" we need to use the "az webapp log configure" command

The Microsoft documentation mentions the following

az webapp log config

Configure logging for a web app.

Azure CLI | Copy

```
az webapp log config [--application-logging {false, true}]
                     [--detailed-error-messages {false, true}]
                     [--docker-container-logging {filesystem, off}]
                     [--failed-request-tracing {false, true}]
                     [--ids]
                     [--level {error, information, verbose, warning}]
                     [--name]
                     [--resource-group]
                     [--slot]
                     [--subscription]
                     [--web-server-logging {filesystem, off}]
```

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on the command, please visit the following URL

https://docs.microsoft.com/en-us/cli/azure/webapp/log?view=azure-cli-latest#az-webapp-log-config

Ask our Experts Rate this Question?

View Queries open

Question 3 Correct

Domain :Develop Azure compute solutions

You have to develop an Azure Function that would perform the following activities
Read messages from an Azure Storage Queue

Process the messages and add entities to Azure Table Storage

You have to define the correct bindings in the function.json file

```
{
 "bindings": [
  {
   "type": "queueTrigger",
   "direction": Area 1 ,
   "name": "neworder",
   "queueName": "whizlab-queue",
   "connection": "STORAGE_CONNECTION_3000"
  },
  {
   "type": "table",
   "direction": Area 2 ,
   "name": Area 3 ,
   "tableName": "Orders",
   "connection": " STORAGE_CONNECTION_3000"  } ] }
```

Which of the following would go into Area 1?

- ✓ A. "in"
- B. "out"
- C. "trigger"

D. "$return"

E. "$table"

Explanation:

Answer – A

Here we have to mention the binding as an input binding.

An example of this also given in the Microsoft documentation

Suppose you want to write a new row to Azure Table storage whenever a new message appears in Azure Queue storage. This scenario can be implemented using an Azure Queue storage trigger and an Azure Table storage output binding.

Here's a *function.json* file for this scenario.

JSON Copy

```
{
  "bindings": [
    {
      "type": "queueTrigger",
      "direction": "in",
      "name": "order",
      "queueName": "myqueue-items",
      "connection": "MY_STORAGE_ACCT_APP_SETTING"
    },
    {
      "type": "table",
      "direction": "out",
      "name": "$return",
      "tableName": "outTable",
      "connection": "MY_TABLE_STORAGE_ACCT_APP_SETTING"
    }
  ]
}
```

For more information on function bindings, please refer to the below link

https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-example

Ask our Experts Rate this Question?

View Queries open

Question 4 Correct

Domain :Develop Azure compute solutions

You have to deploy a microservice based application to Azure. The application needs to be deployed to an Azure Kubernetes cluster. The solution has the following requirements

Reverse proxy capabilities

Ability to configure traffic routing

Termination of TLS with a custom certificate

Which of the following would you use to implement a single public IP endpoint to route traffic to multiple microservices?

A. **Helm**

B. **Brigade**

C. **Kubectl**

✓ D. **Ingress Controller**

E. **Virtual Kubelet**

Explanation:

Answer – D

You can use the Ingress controller to route traffic at the application layer

The Microsoft documentation mentions the following

> An ingress controller is a piece of software that provides reverse proxy, configurable traffic routing, and TLS termination for Kubernetes services. Kubernetes ingress resources are used to configure the ingress rules and routes for individual Kubernetes services. Using an ingress controller and ingress rules, a single IP address can be used to route traffic to multiple services in a Kubernetes cluster.

Since this is clearly given in the documentation, all other options are incorrect

For more information on Ingress controllers, please visit the following URL

https://docs.microsoft.com/en-us/azure/aks/ingress-basic

Ask our Experts Rate this Question?

View Queries open

Question 5 Incorrect

Domain :Implement Azure security

You have to develop an ASP.Net Core application. The application is used to work with blobs in an Azure storage account. The application authenticates via Azure AD credentials.
Role based access has been implemented on the containers that contain the blobs. These roles have been assigned to the users.
You have to configure the application so that the user's permissions can be used with the Azure Blob containers.
Which of the following would you use as the Permission for the Microsoft Graph API?

A. **User.Read**

B. **User.Write**

C. **client_id**

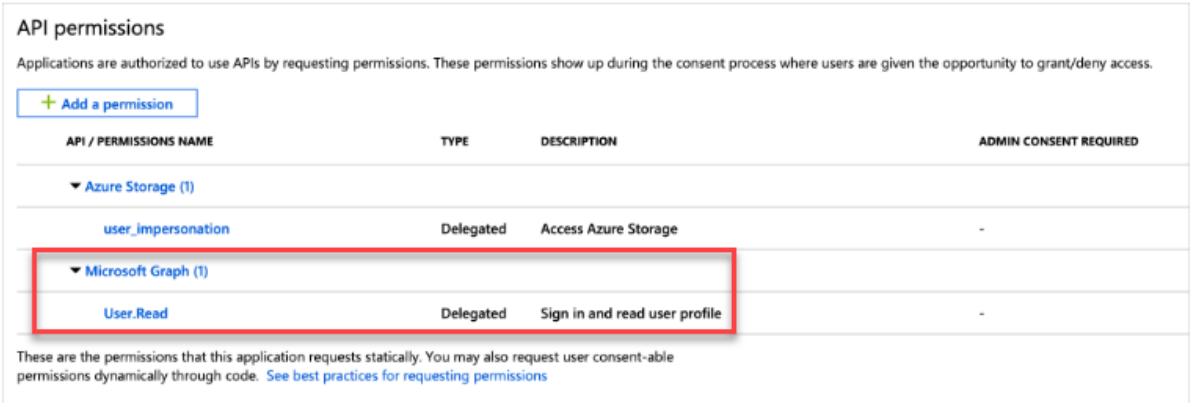
D. **user_impersonation**

Explanation:

Answer – A

For the Microsoft Graph API, we need to use the User.Read permission. This is also given in the Microsoft documentation

The **API permissions** pane now shows that your registered Azure AD application has access to both Microsoft Graph and the Azure Storage. Permissions are granted to Microsoft Graph automatically when you first register your app with Azure AD.



Since this is clearly given in the documentation, all other options are incorrect

For more information on permissions for an application for accessing Azure storage, please visit the following URL

https://docs.microsoft.com/en-us/azure/storage/common/storage-auth-aad-app

Ask our Experts Rate this Question?

View Queries open

Question 6 Incorrect

Domain :Implement Azure security

You have to build a web application that would be deployed onto Azure. The web application would not allow anonymous access. The authentication would be carried out via Azure AD.
The application needs to above by the following requirements
Users must be able to log into the web application using their Azure AD credentials

The personalization of the web application must be based on the membership in Active Directory groups

You have to configure the application manifest file

{

...

“appId” :” 44d3ece4-2c21-48c1-8857-db3524a086b0”

Slot 1 : “All”,

Slot 2 : true

}

Which of the following would go into Slot 2?

A. **“allowPublicClient”**

B. **“oauth2Permissions”**

C. **“requiredResourceAccess”**

D. **“oauth2AllowImplicitFlow”**

Explanation:

Answer – B

The “oAuth2Permissions” is used for web API permissions

The Microsoft documentation mentions the following

`oauth2Permissions`	Collection	Specifies the collection of OAuth 2.0 permission scopes that the web API (resource) app exposes to client apps. These permission scopes may be granted to client apps during consent.

Option A is incorrect since this is used to specify a fallback application type

Option C is incorrect since this is used to provide a list of permission scopes and app roles that an application requires from a specified resource.

Option D is incorrect since this is used for single page applications

For more information on the reference app manifest, please visit the following URL

https://docs.microsoft.com/en-us/azure/active-directory/develop/reference-app-manifest

Ask our Experts Rate this Question?

View Queries open

Question 7 Incorrect

Domain :Connect to and consume Azure services and third-party services

View Case Study

Which of the following needs to be used to secure the Logic App?

A. Azure App Service Environment

B. Azure AD B2B Integration

C. Integration Service Environment

D. VNet service endpoint

Explanation:

Answer – C

Here we need to comply with the following requirement of the case study

"Resources used by the Azure Logic App must be secured to the corporate virtual network and also use dedicated storage resources with a fixed costing model"

For this we should use Integration Service Environment

The Microsoft documentation mentions the following

What is an Integration Service Environment?

An Integration Service Environment is a fully isolated and dedicated environment for all enterprise-scale integration needs. When you create a new Integration Service Environment, it is injected into your Azure virtual network, which allows you to deploy Logic Apps as a service on your VNET.

- **Direct, secure access to your virtual network resources.** Enables Logic Apps to have secure, direct access to private resources, such as virtual machines, servers, and other services in your virtual network including Azure services with service endpoints and on-premises resources via an Express Route or site to site VPN.
- **Consistent, highly reliable performance.** Eliminates the noisy neighbor issue, removing fear of intermittent slowdowns that can impact business critical processes with a dedicated runtime where only your Logic Apps execute in.
- **Isolated, private storage.** Sensitive data subject to regulation is kept private and secure, opening new integration opportunities.
- **Predicable pricing. Provides a fixed monthly cost for Logic Apps.** Each Integration Service Environment includes the free usage of 1 Standard Integration Account and 1 Enterprise connector. If your Logic Apps action execution count exceeds 50 million action executions per month, the Integration Service Environment could provide better value.

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on Azure Integration service environment, please visit the following URL

https://azure.microsoft.com/en-us/blog/announcing-azure-integration-service-environment-for-logic-apps/

Ask our Experts Rate this Question?

View Queries open

Question 8 Correct

Domain :Connect to and consume Azure services and third-party services

You are developing an application that is going to making use of the Azure Service Bus. You have to create filters based on the different types of subscribers that would subscribe to the topic. The broad classification of these subscribers are

Subscribers should be able to receive all messages being sent to the topic

Subscribers should **NOT** be able to receive all messages being sent to the topic

Subscribers should be able to receive messages based on a SQL-like conditional expression

Which of the following would you use as the filter condition for the requirement?
"Subscribers should be able to receive all messages being sent to the topic"

- ✓ A. **Boolean filters**
- B. **Primary filters**
- C. **SQL filters**
- D. **Correlation filters**

Explanation:

Answer – A

Here we have to make use of Boolean filters which could either accept or reject all messages

Service Bus supports three filter conditions:

- *Boolean filters* - The **TrueFilter** and **FalseFilter** either cause all arriving messages (**true**) or none of the arriving messages (**false**) to be selected for the subscription.
- *SQL Filters* - A **SqlFilter** holds a SQL-like conditional expression that is evaluated in the broker against the arriving messages' user-defined properties and system properties. All system properties must be prefixed with `sys.` in the conditional expression. The SQL-language subset for filter conditions tests for the existence of properties (`EXISTS`), as well as for null-values (`IS NULL`), logical NOT/AND/OR, relational operators, simple numeric arithmetic, and simple text pattern matching with `LIKE`.
- *Correlation Filters* - A **CorrelationFilter** holds a set of conditions that are matched against one or more of an arriving message's user and system properties. A common use is to match against the **CorrelationId** property, but the application can also choose to match against **ContentType**, **Label**, **MessageId**, **ReplyTo**, **ReplyToSessionId**, **SessionId**, **To**, and any user-defined properties. A match exists when an arriving message's value for a property is equal to the value specified in the correlation filter. For string expressions, the comparison is case-sensitive. When specifying multiple match properties, the filter combines them as a logical AND condition, meaning for the filter to match, all conditions must match.

Since this is clear from the Microsoft documentation, all other options are incorrect

For more information on topic filters, please visit the following URL

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

Ask our Experts Rate this Question?

View Queries open

Question 9 Correct

Domain :Develop Azure compute solutions

Your company has an Azure Kubernetes cluster in place named "whizlabcluster". The company wants to create a new Azure AD Group and provide RBAC access for the group to the cluster.
You have to complete the below Azure CLI script to fulfil this requirement

```
whizlabcluster_id=$( Slot 1 \
  --resource-group whizlabs-rg \
  --name whizlabcluster \
  --query id -o tsv)

whizlab_grp=$( Slot 2 --display-name whizlabdevelopers --mail-nickname whizlabdev –
query objectId -o tsv)

 Slot 3 \
 --assignee $whizlab_grp \
 --role "Azure Kubernetes Service Cluster User Role" \
 --scope $whizlabcluster_id
```

Which of the following would go into Slot 2?

A. az role assignment create

B. az role assignment update

✓ C. az ad group create

D. az aks show

Explanation:

Answer - C

Next, we have to create the Azure AD group

An example of this is given in the Microsoft documentation

Create the first example group in Azure AD for the application developers using the az ad group create command. The following example creates a group named *appdev*:

Since this is clear from the Microsoft documentation, all other options are incorrect

For more information on assigning RBAC roles to Kubernetes clusters, please visit the following URL

https://docs.microsoft.com/en-us/azure/aks/azure-ad-rbac

Ask our Experts

Rate this Question?

View Queries open

Question 10

Incorrect

Domain :Monitor, troubleshoot, and optimize Azure solutions

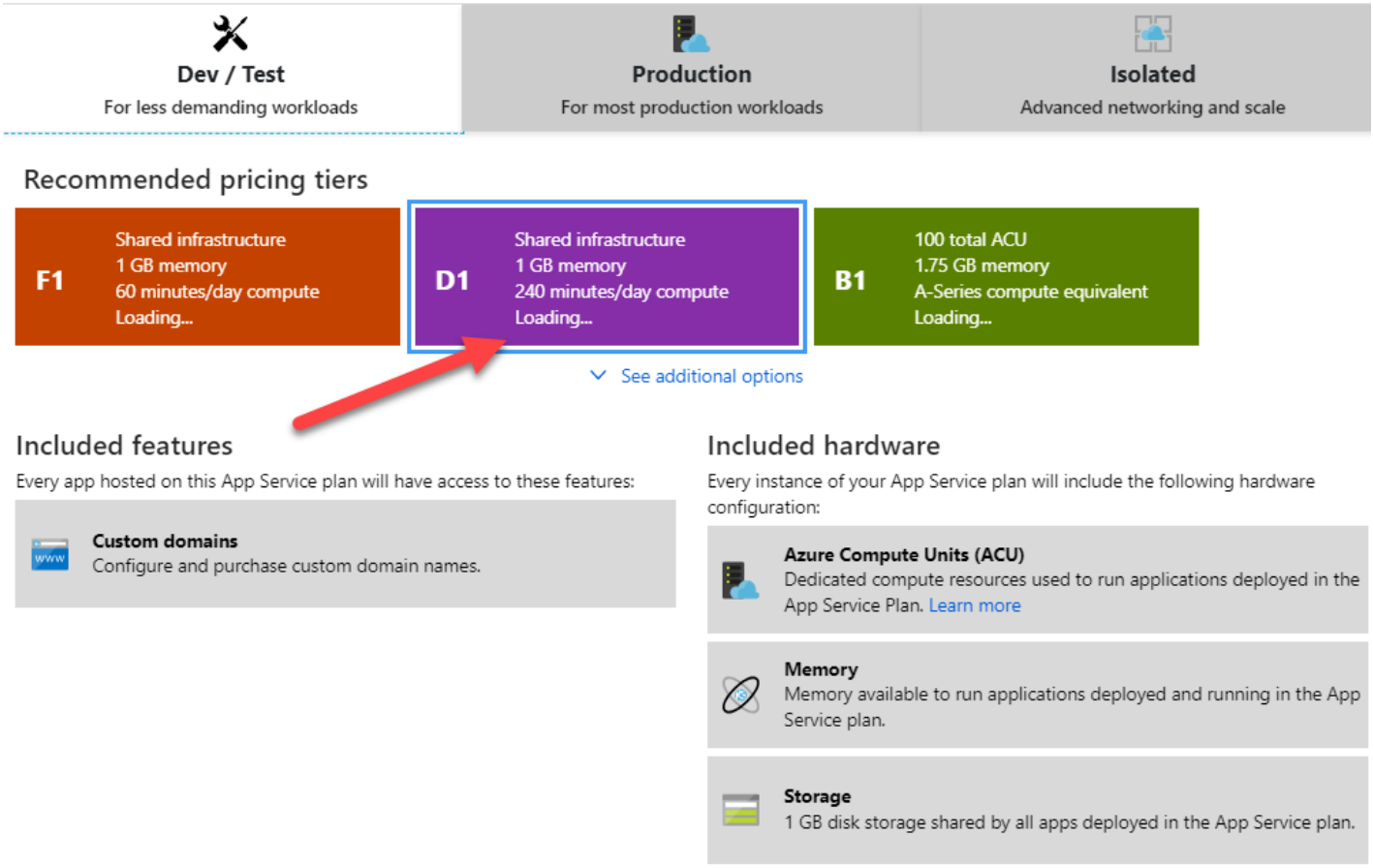
A company has a web application that has been deployed using the Azure Web App service. The current service plan being used is D1. It needs to be ensured that the application infrastructure can automatically scale when the CPU load reaches 85 percent. You also have to ensure costs are minimized. Which of the following steps would you implement to achieve the requirements? Choose 4 answers from the options given below

- ✓ A. **Enable autoscaling on the Web application**
- ✓ B. **Configure a scale condition**
- C. **Configure the web application to use the Standard App Service Plan**
- ✓ D. **Configure the web application to use the Premium App Service Plan**
- ✓ E. **Add a scale rule.**

Explanation:

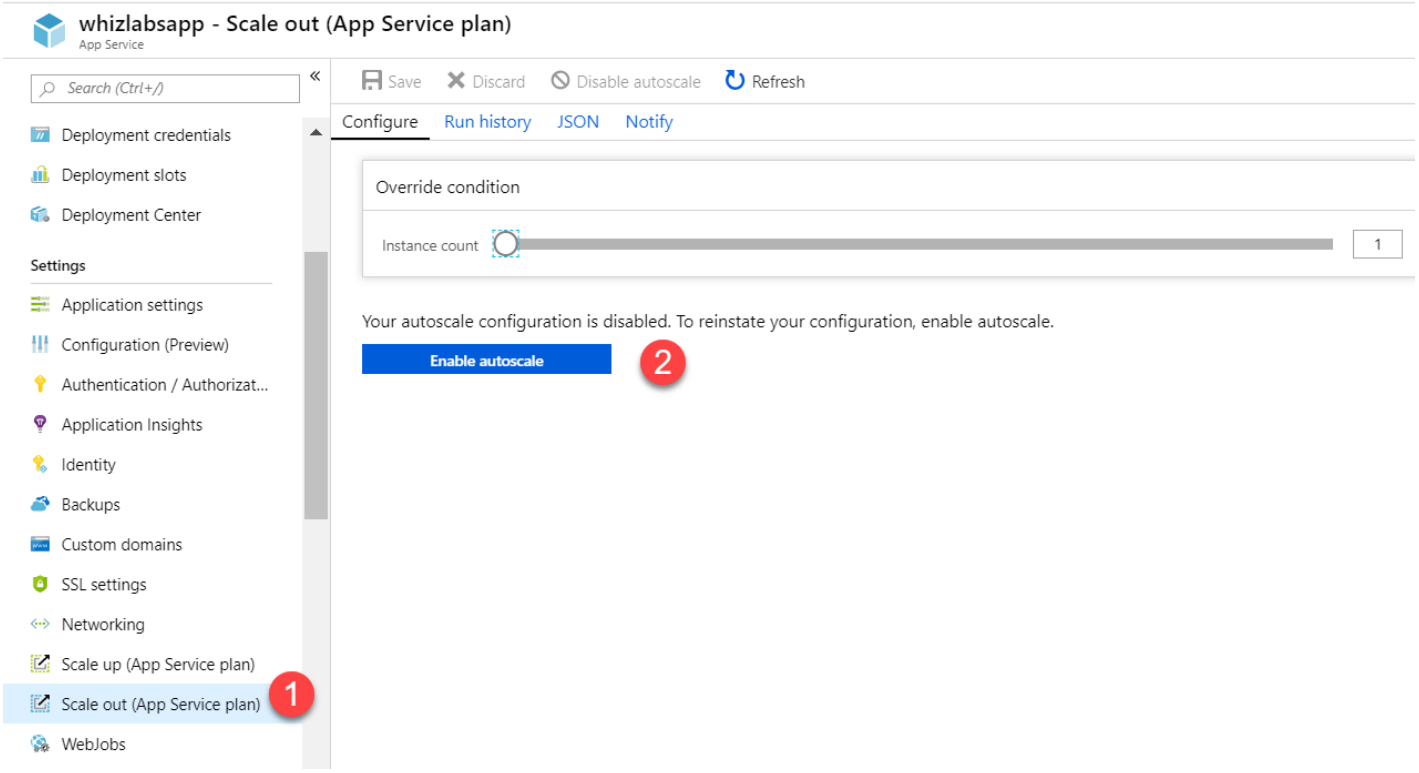
Answer – A, B, C and E

Since the app service plan being used is D1, that means this is the Shared Service Plan as shown below. And this plan does not have support for Autoscaling

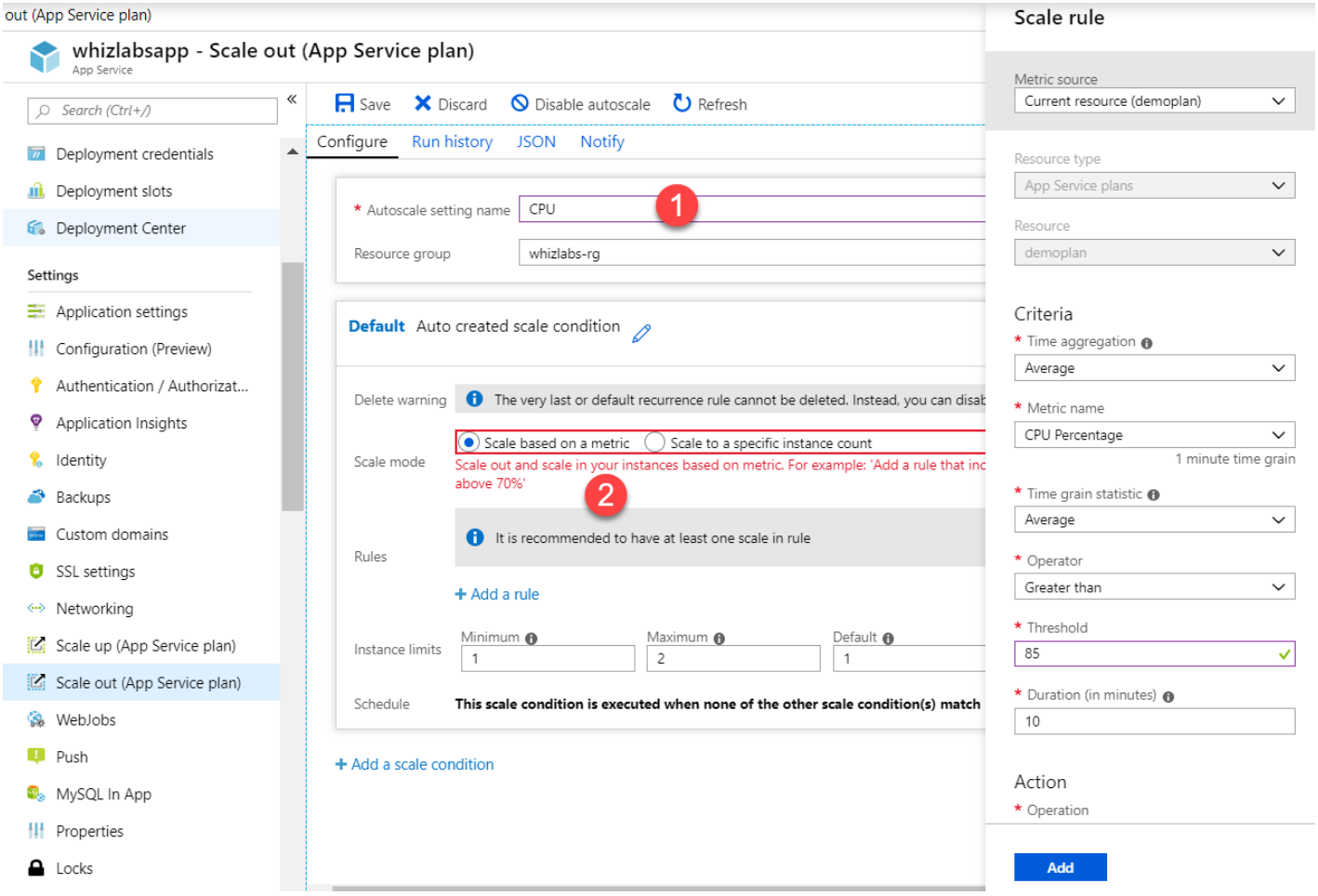


Step 1) We have to scale up to at least the Standard App service plan.

Once this is done, you can now see the ability to enable Autoscale when you go to the Scale out section for the Azure Web App



Step 2) Next you add a scale condition and a rule for autoscaling based on a CPU threshold.



Option D is incorrect since the Premium app service plan would be a more expensive option.

For more information on Azure Web App Autoscaling, one can go to the below link

https://blogs.msdn.microsoft.com/benjaminperkins/2017/07/26/how-to-configure-auto-scaling-for-an-azure-app-service-with-powershell/

Ask our Experts

Rate this Question?

View Queries

open

Question 11

Correct

Domain :Connect to and consume Azure services and third-party services

A company is implementing an order processing system. The orders are going to be published to an Azure Service Bus topic. The properties of the messages that would be sent are as follows

Property	Description

Location	The region of the shipment
CorrelationId	Used as the priority value for the order
Quantity	User defined property that defines the order quantity
Audited	User defined property that defines the order date

The following subscriptions will be created. The requirement for each subscription is also given

Property	Description
LaterOrders	This subscription will be used in the future and should not accept any orders at the moment
HighPriorityOrders	Here all the high priority orders should be sent
GlobalOrders	Here the order where the region is not USA should be sent
HighOrders	Orders where the quantity is greater than 1000 should be sent
AllOrders	For auditing purposes, all orders should be sent here

You need to implement the right filters for each of the subscriptions given above.
Which of the following would you implement for the Subscription – AllOrders?

A. **SqlFilter**

B. **CorrelationFilter**

C. **TrueFilter**

✓ D. **No Filter**

E. **FalseFilter**

Explanation:

Answer – D

Here since you want all messages to come for the subscription, there is no need to add any filter.

For more information on topic filters, one can go to the below link

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

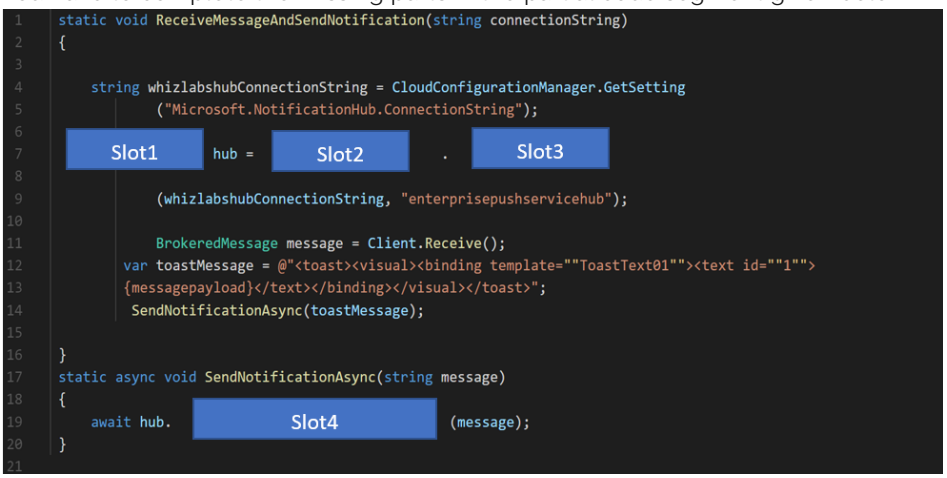
Ask our Experts Rate this Question?

View Queries open

Question 12 Correct

Domain :Develop Azure compute solutions

A company is developing a shopping application for Windows devices. A notification needs to be sent on a user's device whenever a new product is entered into the application. You have to implement push notifications.
You have to complete the missing parts in the partial code segment given below



Which of the following would go into Slot2?

- A. NotificationHubClient
- B. NotificationHubClientSettings
- C. NotificationHubJob
- D. NotificationDetails

Explanation:

Answer - A

An example of this is given in the Microsoft documentation

Copy

```csharp
static void ReceiveMessageAndSendNotification(string connectionString)
{
    // Initialize the Notification Hub
    string hubConnectionString = CloudConfigurationManager.GetSetting
            ("Microsoft.NotificationHub.ConnectionString");
    hub = NotificationHubClient.CreateClientFromConnectionString
            (hubConnectionString, "enterprisepushservicehub");

    SubscriptionClient Client =
        SubscriptionClient.CreateFromConnectionString
                (connectionString, sampleTopic, sampleSubscription);

    Client.Receive();

    // Continuously process messages received from the subscription
    while (true)
    {
        BrokeredMessage message = Client.Receive();
        var toastMessage = @"<toast><visual><binding template=""ToastText01""><text id=""1"">{messag

        if (message != null)
        {
            try
            {
                Console.WriteLine(message.MessageId);
                Console.WriteLine(message.SequenceNumber);
                string messageBody = message.GetBody<string>();
                Console.WriteLine("Body: " + messageBody + "\n");

                toastMessage = toastMessage.Replace("{messagepayload}", messageBody);
                SendNotificationAsync(toastMessage);
```

Since this is clearly given in the documentation, all other options are incorrect

For more information on enterprise push notification architecture, one can go to the below link

https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-enterprise-push-notification-architecture

Ask our Experts

Rate this Question?

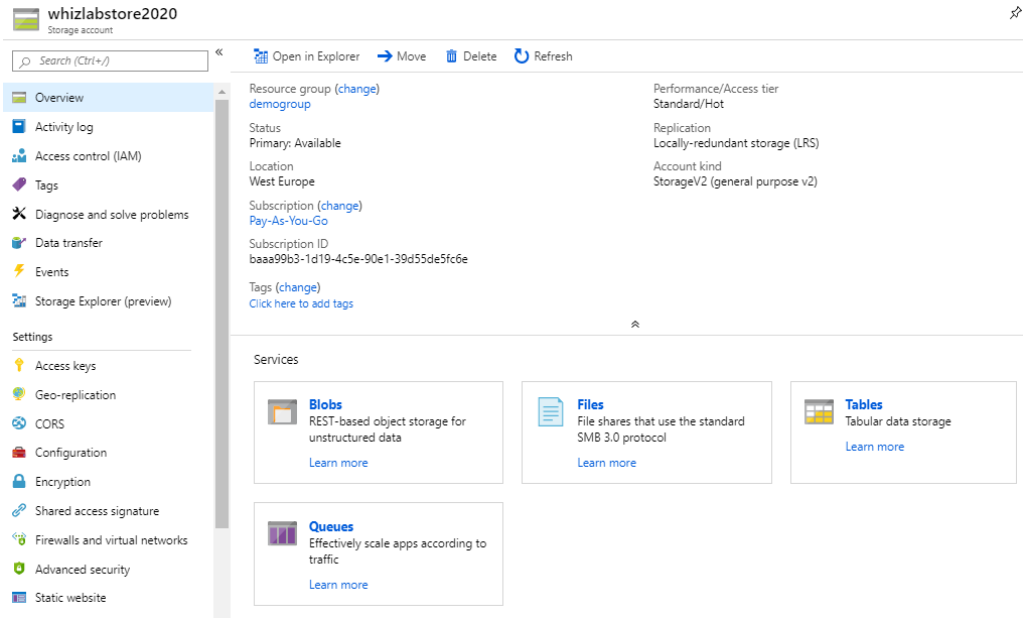
View Queries open

Question 13

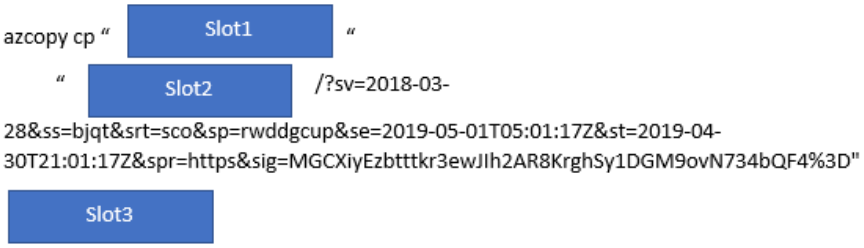
Correct

Domain :Develop for Azure storage

You have to implement the azcopy tool to copy objects from a local folder named D:\whizlabs to a container named “demo” within the below storage account



You have to complete the below command to copy all of the objects in the local folder



Which of the following would go into Slot2?

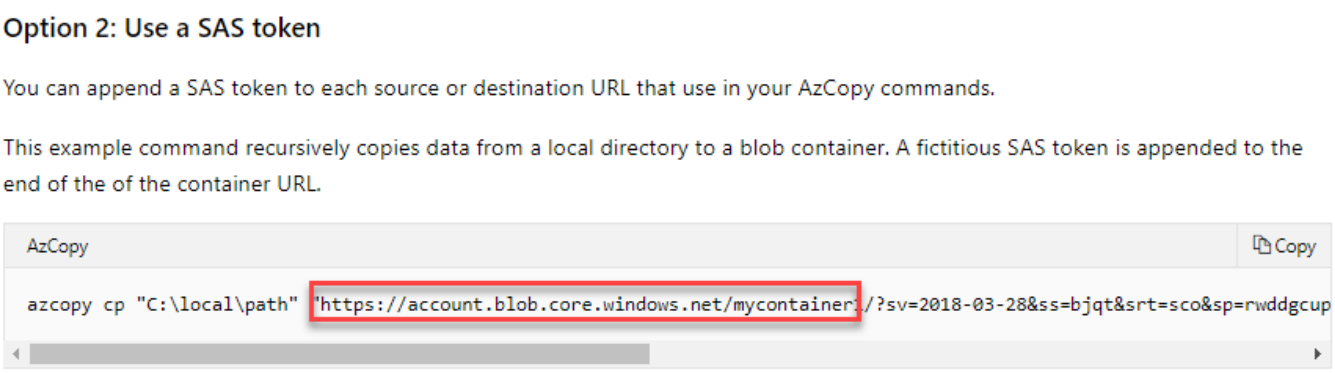
- ✓ A. **https://whizlabstore2020.blob.core.windows.net/demo**
- B. **https://whizlabstore2020/demo**
- C. **D:\whizlabs**
- D. **whizlabs**

Explanation:

Answer – A

Here since we need to copy it to the container, we have to mention the full URI of the container

An example of this is given in the Microsoft documentation



Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on using the AzCopy tool, please visit the below URL

https://docs.microsoft.com/en-us/azure/storage/common/storage-use-azcopy-v10

Ask our Experts Rate this Question?

View Queries open

Question 14 Correct

Domain :Develop for Azure storage

View Case Study

You have to update the below code snippet that would be used to upload images to the Blob container.
Which of the following would go into Slot2?

```
Slot1 whizlabcloudBlockBlob =
cloudBlobContainer.GetBlockBlobReference(imgName);
await Slot2 .UploadFromFileAsync(imgFile);
```

- A. whizlabcloudBlockBlob
- B. BlockBlob
- C. CloudBlockBlob
- D. Blob

Explanation:

Answer – A

The right data type is "whizlabcloudBlockBlob"

The Microsoft documentation gives an example on uploading content to Blob containers

Upload blobs to a container

The following code snippet gets a reference to a **CloudBlockBlob** object by calling the GetBlockBlobReference method on the container created in the previous section. It then uploads the selected local file to the blob by calling the UploadFromFileAsync method. This method creates the blob if it doesn't already exist, and overwrites it if it does.

C# Copy

```
// Create a file in your local MyDocuments folder to upload to a blob.
string localPath = Environment.GetFolderPath(Environment.SpecialFolder.MyDocuments);
string localFileName = "QuickStart_" + Guid.NewGuid().ToString() + ".txt";
string sourceFile = Path.Combine(localPath, localFileName);
// Write text to the file.
File.WriteAllText(sourceFile, "Hello, World!");

Console.WriteLine("Temp file = {0}", sourceFile);
Console.WriteLine("Uploading to Blob storage as blob '{0}'", localFileName);

// Get a reference to the blob address, then upload the file to the blob.
// Use the value of localFileName for the blob name.
CloudBlockBlob cloudBlockBlob = cloudBlobContainer.GetBlockBlobReference(localFileName);
await cloudBlockBlob.UploadFromFileAsync(sourceFile);
```

Since this is clear from the Microsoft documentation, all other options are incorrect

For more information on working with the Blob service from .Net, please visit the below URL

https://docs.microsoft.com/en-us/azure/storage/blobs/storage-quickstart-blobs-dotnet

Ask our Experts Rate this Question?

View Queries open

Question 15 Correct

Domain :Monitor, troubleshoot, and optimize Azure solutions

View Case Study

A developer needs to enable Application Insights for the Azure Web App. Which of the following feature on the Web app needs to be enabled prior to enabling Application Insights?

A. **CORS configuration**

✓ B. **Always On setting**

C. **Enable Identity**

D. **Enable Custom domains**

Explanation:

Answer - B

We have to enable the "Always On" setting.

This is also given in the Microsoft documentation

Enable Profiler for your app

To enable Profiler for an app, follow the instructions below. If you're running a different type of Azure service, here are instructions for enabling Profiler on other supported platforms:

- Cloud Services
- Service Fabric Applications
- Virtual Machines

Application Insights Profiler is pre-installed as part of the App Services runtime. The steps below will show you how to enable it for your App Service. Follow these steps even if you've included the App Insights SDK in your application at build time.

1. Enable "Always On" setting for your app service. You can update the setting in the Configuration page of your App Service under General Settings.
2. Go to the **App Services** pane in the Azure portal.
3. Navigate to **Settings** > **Application Insights** pane.

Since this is clearly given in the documentation, all other options are incorrect

For more information on enabling Application Insights for the Azure Web App, please visit the below URL

https://docs.microsoft.com/en-us/azure/azure-monitor/app/profiler

---

Ask our Experts

Rate this Question? 

View Queries open

Finish Review