

Q1) A company is developing an API system that will be hosted behind an Azure API Management service. You have to implement response caching. Here the user ID of the client must be detected and then the response must be cached for the given user ID.

You need to add the following policies to the policies file:

- A set-variable policy to store the detected user identity
- A cache-lookup-value policy
- A cache-store-value policy
- A find-and-replace policy to update the response body with the user profile information

To which policy section would you implement the policy for

"A cache-store-value policy"

Error

Outbound

Explanation:-An example of this is given in the Microsoft documentation as shown below

Inbound

Parameters

Q2) You are writing an application and want to sign in users in your own organization. This is an example of which Microsoft identity platform account type?

- Multi-tenant
- Azure Active Directory B2B
- Azure Active Directory B2C
- Single-tenant

Explanation:-If you're writing a line-of-business (LOB) application, you can sign in users in your own organization. Such an application is sometimes called single-tenant. Other account types are multi-tenant and Azure AD B2C.

Q3) To add a secret to an Azure key vault using the Azure CLI, which command should a developer use?

az keyvault secret set

Explanation:-The developer would use the az keyvault secret set command to add a secret to an Azure key vault using the Azure CLI. The following is an example of this command:

```
az keyvault secret set --vault-name "Contoso-Vault2" --name "ExamplePassword" --value "hVFkk965BuUv"
```

- az vault secret set
- az key vault secret add
- az keyvault secret

Q4)

A team is setting up an identity provider for sign-up and sign-in in an Azure Active Directory B2C (Azure AD B2C) application.

Which redirect URL should the team specify?

- Microsoft.online.com
- B2c.microsoft.com
- B2clogin.com
- Login.microsoftonline.com

Q5) In order to disable a system-assigned managed identity from an Azure VM, your account needs which role assignment?

- Classic Virtual Machine Contributor
- Virtual Machine Administrator Login
- Virtual Machine User Login
- Virtual Machine Contributor

Explanation:-To disable a system-assigned managed identity on a VM, your account needs the Virtual Machine Contributor role assignment. No additional Azure AD directory role assignments are required.

Q6) A team is writing an application that requires customer identity access management (IAM). Which Microsoft Identity Platform account type should the team use?

- Multi-Tenant
- Single-Tenant
- Azure Active Directory B2B
- Azure Active Directory B2C

Explanation:-Azure Active Directory B2C provides business-to-customer identity as a service. Customers use their preferred social, enterprise, or local account identities to get single sign-on access to the team's application and APIs.

Q7) Correct or Incorrect: Azure Key Vault is supported on both Windows and Linux VMs.

Correct

Explanation:-Azure Key Vault is supported on Windows and Linux VMs.

Incorrect

Q8) Correct or Incorrect: A user has inadvertently deleted an Azure key vault object, and this object can be recovered.

Correct

Explanation:-Azure key vaults are tracked resources that are managed by Azure Resource Manager. A soft delete feature addresses the recovery of the deleted object, whether the deletion was accidental or intentional.

Incorrect

Q9) To view an Azure Key Vault secret in plaintext by using the Azure CLI, which command should a developer use?

az keyvault secret show

Explanation:-The developer would use the az keyvault secret show command to view an Azure Key Vault secret by using the Azure CLI.

The following is an example of this command:

```
az keyvault secret show --name "ExamplePassword" --vault-name "Contoso-Vault2"
```

- az vault secret show
 - az keyvault show secret
 - az keyvault show
-

Q10) In an OAuth 2.0 flow, what is the OAuth client?

- Resource where the data resides
 - Microsoft's identity platform endpoint
 - The end user
 - The application
-

Q11) Can you scale a Premium cache to a Basic cache?

- Yes. In addition, all data will be retained.
- No. You can't scale from Premium to Basic.

Explanation:-You can scale your cache up to a higher tier after it has been created, but scaling down to a lower tier is not supported.

- Scaling is not supported.
 - Yes. However, all data will be lost.
-

Q12) You need to configure data persistence in Azure Cache for Redis. Which Redis Cache tier supports this?

Premium

Explanation:-Azure Redis Cache is available in three tiers: Basic, Standard, and Premium. Data persistence is supported only in the Premium tier. The Premium tier offers better performance, support for bigger workloads, disaster recovery, importing/exporting, and enhanced security.

- Basic
 - Data persistence is not supported.
 - Standard
-

Q13) Which of the following metrics can help you decide if you need to scale a Redis cache?

Redis Server Load

Explanation:-You can use the monitoring features of Azure Cache for Redis to monitor the health and performance of your cache and help determine when to scale the cache. You can monitor the following metrics to help determine if you need to scale:

- Redis Server Load
- Memory Usage
- Network Bandwidth
- CPU Usage
- Number of Connected Clients
- Redis Cache Size
- CPU Usage

Explanation:-You can use the monitoring features of Azure Cache for Redis to monitor the health and performance of your cache and help determine when to scale the cache. You can monitor the following metrics to help determine if you need to scale:

- Redis Server Load
 - Memory Usage
 - Network Bandwidth
 - CPU Usage
-

Q14) If you do not define a TTL (time-to-live) on a cached file, what is the default TTL that Azure CDN automatically applies for web delivery optimizations?

- 3 days
- 1 year
- 7 days

Explanation:-Azure CDN automatically applies a default TTL of 7 days unless you've set up caching rules in the Azure portal.

- No default is applied.
-

Q15) In the following code sample, what does the string /* denote?

Endpoint path

Explanation:-In this example, the string /* says to purge everything in the root of the endpoint path. This is equivalent to checking Purge All in the Azure portal's Purge dialog. However, Azure CDN from Akamai profiles does not support Purge All, so for an Akamai profile, you would need to include specific paths to purge.

- Endpoint name

- Purge path
 - Profile name
-

Q16) When purging an Azure CDN, how do you force a downstream client to request the latest file version?

- Update the file's time-to-live value.
- Give the file a unique name each time you update it.

Explanation:-Purging only clears the cached content on the CDN edge servers. Any downstream caches, such as proxy servers and local browser caches, may still hold a cached copy of the file. You can force a downstream client to request the latest version of a file by giving it a unique name every time you update it or by taking advantage of query string caching.

- Use query string caching.
 - Use only specific file types.
-

Q17)

A team is creating a content delivery network but needs to restrict content for specific locations.

Is this supported by Azure CDN?

- Correct

Explanation:-Azure CDN has a geo-filtering feature that allows a team to create specific paths on the CDN endpoint to allow or block content in selected regions or countries. To access the geo-filtering feature, select the CDN endpoint within the portal and then select Geo-filtering under Settings in the left-hand pane.

- Incorrect
-

Q18) You are enabling Application Insights. What is one type of test you can configure to monitor the availability of your application?

- Application availability test
- Insights availability test
- URL ping test

Explanation:-The URL ping test is a simple test you can create in the Azure portal. Other availability tests include the following:

- Multi-step web test: A recording of a sequence of web requests, which can be played back to test more complex scenarios. Multi-step web tests are created in Visual Studio Enterprise and uploaded to the portal for execution.
 - Custom track availability test: If you decide to create a custom application to run availability tests, you can use the TrackAvailability() method to send the results to Application Insights.
 - Web availability test
-

Q19)

A developer creates a CDN profile and an endpoint. The content is not available, and users are receiving an HTTP 404 error when accessing the CDN URL.

What is a possible cause?

- The file type is not supported.
- The CDN is in a different region than the user.
- The file size is too large.
- The endpoint has not had time to propagate throughout the CDN.

Explanation:-After an CDN endpoint is created, it is not immediately available for use, as it takes time for the registration to propagate through the CDN:

- For Azure CDN Standard from Microsoft profiles, propagation usually completes in 10 minutes.
 - For Azure CDN Standard from Akamai profiles, propagation usually completes within 1 minute.
 - For Azure CDN Standard from Verizon and Azure CDN Premium from Verizon profiles, propagation usually completes within 90 minutes.
-

Q20) Your team is enabling Application Insights. Which availability test would you use to record a sequence of web requests?

- URL ping test
- Web availability test
- Multi-step availability test
- Multi-step web test

Explanation:-A multi-step web test records a sequence of web requests, which can be played back to test more complex scenarios. Multi-step web tests are created in Visual Studio Enterprise and uploaded to the portal for execution. Other types of availability tests include the following:

- URL ping test: Uses HTTP request functionality to validate whether an endpoint is responding.
 - Custom track availability test: If you decide to create a custom application to run availability tests, the TrackAvailability() method can be used to send the results to Application Insights.
-

Q21) You are developing a CDN that requires asset preloading. Which of the following Azure CDN products support this requirement?

- Standard Verizon

Explanation:-Asset preloading is available only with the Standard Verizon and Premium Verizon products.

- Standard Microsoft
- Standard Akamai
- Premium Verizon

Explanation:-Asset preloading is available only with the Standard Verizon and Premium Verizon products.

Q22) Correct or Incorrect: A team is creating resources using ARM templates. The team needs to order the resources in the order it wants them deployed.

- Correct
- Incorrect

Explanation:-Template resources provide a dependsOn property that determines the order in which to apply resources. The following is an example of a template using the dependsOn property:

```
{  
  "name": "[concat(variables('vmName'), '/', 'ConfigureIIS')]",  
  "type": "Microsoft.Compute/virtualMachines/extensions",  
  "apiVersion": "2018-06-01",  
  "location": "[parameters('location')]",  
  "properties": {  
    "publisher": "Microsoft.Compute",  
    "type": "CustomScriptExtension",  
    "typeHandlerVersion": "1.9",  
    "autoUpgradeMinorVersion": true,  
    "settings": {  
      "fileUris": [  
        "https://raw.githubusercontent.com/MicrosoftDocs/mslearn-welcome-to-azure/master/configure-iis.ps1"  
      ]  
    },  
    "protectedSettings": {  
      "commandToExecute": "powershell -ExecutionPolicy Unrestricted -File configure-iis.ps1"  
    }  
  },  
  "dependsOn": [  
    "[resourceId('Microsoft.Compute/virtualMachines/', variables('vmName'))]"  
  ]  
}
```

Q23)

You are a developer working for XYZ Corp. and need to provision a new resource group for a VM using PowerShell.

What command should you run?

- New-AzVMConfig
- New-AzVM
- New-AzResourceGroup

Explanation:-In order to provision a new resource group using PowerShell, you would need to run the New-AzResourceGroup cmdlet. Here is an example of this cmdlet in use: PS> New-AzResourceGroup -Name RG01 -Location "South Central US".

- New-AzHost
-

Q24) To create a container with a large partition key using the .NET SDK, which property should you specify?

- PartitionKeyDefinitionVersion.V2

Explanation:-To create a container with a large partition key using the .NET SDK, you need to specify the PartitionKeyDefinitionVersion.V2 property. Note that PartitionKeyDefinitionVersion.V2 uses less storage and is the preferred hash function for partition keys with high cardinality.

- PartitionVersion.V2
 - Large partition key containers cannot be created with the .NET SDK.
 - PartitionKeyVersion.V2
-

Q25) Correct or Incorrect: A developer can create a Linux virtual machine in Azure by using C#.

- Correct

Explanation:-Link - <https://docs.microsoft.com/en-us/learn/modules/create-linux-virtual-machine-in-azure/2-create-a-linux-virtual-machine>

- Incorrect
-

Q26) Correct or Incorrect: Azure Web App logs can be streamed live in Azure Cloud Shell.

- Correct

Explanation:-To stream logs live in Azure Cloud Shell, you can use one of the following commands:

- To stream logs, use the following:
`az webapp log tail --name appname --resource-group myResourceGroup`
- To filter specific events, such as errors, use the --Filter parameter:
`az webapp log tail --name appname --resource-group myResourceGroup --filter Error`
- To filter specific log types, such as HTTP, use the --Path parameter:
`az webapp log tail --name appname --resource-group myResourceGroup --path http`

- Incorrect
-

Q27) To list VM sizes available in a particular region, what Azure CLI command should a developer run?

- az vm list-sizes

Explanation:-To see a list of VM sizes available in a particular region, use the az vm list-sizes command. The following is an example of this command, along with partial output:

```
az vm list-sizes --location eastus --output table
```

- az vm sizes
 - az list vm
 - az list sizes
-

Q28) What are two benefits of using the Azure Functions Premium plan?

- Premium instance sizes

Explanation:-The Azure Functions Premium plan supports the following features:

- Perpetually warm instances to avoid cold starts
- Virtual network connectivity
- Unlimited execution duration (60 minutes guaranteed)
- Premium instance sizes (one-core, two-core, and four-core instances)
- More predictable pricing
- High-density app allocation for plans with multiple function apps
- Ability to leverage existing, underutilized VMs
- Custom images

- No cold start

Explanation:-The Azure Functions Premium plan supports the following features:

- Perpetually warm instances to avoid cold starts
 - Virtual network connectivity
 - Unlimited execution duration (60 minutes guaranteed)
 - Premium instance sizes (one-core, two-core, and four-core instances)
 - More predictable pricing
 - High-density app allocation for plans with multiple function apps
-

Q29)

A developer is creating an Azure Logic Apps custom connector that will require authentication.

What authentication types are currently supported by Azure Logic Apps?

- Azure Active Directory
- HTTPS
- API key-based authentication

Explanation:-Azure Logic Apps supports four different authentication types:

- No authentication
- Basic authentication
- API key-based authentication
- OAuth 2.0
- OAuth 2.0

Explanation:-Azure Logic Apps supports four different authentication types:

- No authentication
 - Basic authentication
 - API key-based authentication
 - OAuth 2.0
-

Q30) A team is deploying a new Linux app to Azure App Service. Which of the following is NOT a viable deployment source?

- Dropbox folder

Explanation:-A deployment source is a location for application code. Azure Web Apps for Linux currently supports the following deployment sources:

- GitHub repository
 - Bitbucket repository
 - FTP
 - Local Git repository
 - Bitbucket repository
 - GitHub repository
 - FTP
-

Q31)

A company is deploying a website to Azure and needs a custom domain name. Currently the website is running on an App Service Free plan.

In order to use custom domains, what should the company do in its Azure environment?

- Custom URLs are not supported by Azure App Service.
- Scale up to a non-free tier (D1, B1, B2, B3, or any tier in the Production category).

Explanation:-App Service Free and Shared (preview) hosting plans are base tiers that run on the same Azure virtual machines as other App Service apps. Some apps might belong to other customers. These tiers are intended to be used only for development and testing purposes. To map a custom domain name to a web app, the web app's App Service plan must be a paid tier (Shared, Basic, Standard, Premium, or Consumption for Azure Functions).

- Scale out to a second Azure App Service instance.
 - Nothing. Custom domains are supported in Free tiers.
-

Q32)

You are using the following method to retrieve blob properties. However, the property values are not populating.

What line of code should you add?

- await blob.Attributes();
- await blob.GetAttributesAsync();
- await blob.GetAttributes();
- await blob.FetchAttributesAsync();

Explanation:-If you find that property or metadata values for a storage resource have not been populated, make sure your code calls the FetchAttributes() method or the FetchAttributesAsync() method.

Q33) A company has an application that provides product data to external consultants.

Azure API Management is used to publish API's to the consultants.

The API needs to meet the following requirements

- Support alternative input parameters.
- Remove formatting text from responses.
- Provide additional context to back-end services.

Which type of policy would you use for the following requirement "Remove formatting text from responses"

- Error
- Backend
- Outbound

Explanation:-You can use policy expressions and find and replace to format the text in the response. An example of this is given in the Microsoft documentation

- Inbound
-

Q34) A company has an application that provides product data to external consultants.

Azure API Management is used to publish API's to the consultants.

The API needs to meet the following requirements

- Support alternative input parameters.
- Remove formatting text from responses.
- Provide additional context to back-end services.

Which type of policy would you use for the following requirement "Forward the user ID that is associated with the subscription key for the original request to the back-end service"

- Error
- Backend
- Outbound
- Inbound

Explanation:-An example of this is given in the Microsoft documentation

Q35) A development team is developing an application. The application will be working with customer data. The application will also be making use of Azure Redis Cache. You need to invalidate the cache when the customer data is changed.

You have to complete the below code to comply with the requirement

Which of the following will go into Slot1?

- ICache cache=Connection.GetCache();
- ICache cache=Connection.GetDatabase();
- IDatabase cache=Connection.GetCache();
- IDatabase cache=Connection.GetDatabase();

Explanation:-The right way is to use the IDatabase interface. Also you need to use the GetDatabase() method. This is also mentioned in the Microsoft documentation.

Q36) A development team is developing an application. The application will be working with customer data. The application will also be making use of Azure Redis Cache. You need to invalidate the cache when the customer data is changed.

You have to complete the below code to comply with the requirement

Which of the following will go into Slot2?

- cache.StringGet(p_Customer);
- cache.ValueDelete(p_Customer);
- cache.KeyDelete(p_Customer);

Explanation:-Since you have to invalidate the cache, you have to delete the Key itself

- cache.StringSet(p_Customer);
-

Q37) To use an Azure messaging service to manage order processing and financial transactions, which messaging service would a team select?

- Event Hubs
- Event Grid
- Service Bus

Explanation:-Azure Service Bus is intended for traditional enterprise applications. These enterprise applications require transactions, ordering, duplicate detection, and instantaneous consistency. Service Bus enables cloud-native applications to provide reliable state transition management for business processes. When handling high-value messages that cannot be lost or duplicated, use Azure Service Bus. Service Bus also facilitates highly secure communication across hybrid cloud solutions and can connect existing on-premises systems to cloud solutions.

- Queue Bus
-

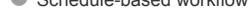
Q38) What type of workflow is shown in the following image?

- HTTPS-based workflow
- Approval-based workflow



Trigger-based workflow

Explanation:-This is an example of the Office 365 trigger. Other examples include schedule- and approval-based workflows.



Schedule-based workflow

Q39) What is the maximum retention period for the Azure Event Hubs Standard tier?

- 5 days
- 7 days

Explanation:-The Azure Event Hubs Standard tier currently supports a maximum retention period of 7 days. Event hubs aren't intended to be permanent data stores. If you need message retention beyond 7 days, enabling Event Hubs Capture on your event hub pulls the data from your event hub into the Storage account or Azure Data Lake Service account of your choosing.

- 3 days
 - 24 hours
-

Q40) Which PowerShell command creates a new Azure notification hub?

- New-AzAppNotificationHub
- New-AzNotifications
- New-AzNotificationsHub

Explanation:-The New-AzNotificationsHub command creates a new notification hub. The following is an example of this command:

```
# Create a notification hub
```

```
New-AzNotificationHub -ResourceGroup $resourceGroupName -Namespace $hubnamespace -InputFile .\inputfile.json
```

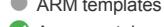
- New-AzNotificationsHubsNamespace
-

Q41) What methods can a developer use to create an Azure API Management service instance?



PowerShell

Explanation:-Azure API Management service supports using PowerShell and the Azure portal.



ARM templates



Azure portal

Explanation:-Azure API Management service supports using PowerShell and the Azure portal.



Azure CLI

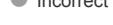
Q42) Correct or Incorrect: Azure Notification Hubs supports sending scheduled notifications.



Correct

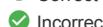
Explanation:-Standard tier Notification Hubs supports a feature that enables you to schedule notifications up to seven days in the future. When sending a notification, simply use the ScheduleNotification class in the Notification Hubs SDK, as shown in the following example:

```
Notification notification = new AppleNotification("{\"aps\":{\"alert\":\"Happy birthday!\"]});  
var scheduled = await hub.ScheduleNotificationAsync(notification, new DateTime(2014, 7, 19, 0, 0, 0));
```

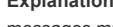


Incorrect

Q43) Correct or Incorrect: When sessions are enabled on a Service Bus queue, the client application can still send and receive regular messages.



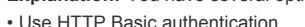
Correct



Incorrect

Explanation:-When sessions are enabled on a queue or on a subscription, the client applications can no longer send/receive regular messages. All messages must be sent as part of a session (with the session ID set) and received by the session.

Q44) What are the two methods you can use to secure the connection between the API Management gateway and a back-end service?



Use HTTP Basic authentication.

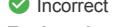
Explanation:-You have several options for securing the connection between the API Management gateway and your back-end services:

- Use HTTP Basic authentication.
 - Use TLS mutual authentication.
 - Use IP whitelisting on your back-end service. In all tiers of API Management, with the exception of the Consumption tier, the IP address of the gateway remains constant.
 - Connect your API Management instance to an Azure virtual network.
 - Configure OAuth 2.0.
 - Use SOAP pass-through.
 - Connect your API instance to an Azure virtual network.
- Explanation:**-You have several options for securing the connection between the API Management gateway and your back-end services:
- Use HTTP Basic authentication.
 - Use TLS mutual authentication.
 - Use IP whitelisting on your back-end service. In all tiers of API Management, with the exception of the Consumption tier, the IP address of the gateway remains constant.
 - Connect your API Management instance to an Azure virtual network.
-

Q45) Correct or Incorrect: Azure Notification Hub can be configured to send text messages and emails.



Correct



Incorrect

Explanation:-Azure Notification Hub currently supports sending notifications to devices running mobile apps. It does not provide email or text

Q46) You are creating an Azure logic app. Which attribute is required in the workflow definition structure?

- Definition

Explanation:-Definition is the starting element of the workflow definition and is a required element. The following table lists the other attributes that are part of the workflow structure:

- Parameters
 - ContentVersion
 - Actions
-

Q47) Correct or Incorrect: An existing VM can be added to an availability set.

- Correct
 Incorrect

Explanation:-A VM can only be added to an availability set when it is created. To change an availability set, you need to delete and then re-create the virtual machine.

Q48)

You are a developer working for XYZ Corp. and need to get a list of VM publishers that are using PowerShell.

What command should you run?

- Get-AzVMPublisher
- Get-AzVMIImagePublisher

Explanation:-In order to get a list of VM publishers that are using PowerShell, you need to run the Get-AzVMIImagePublisher cmdlet. Here is an example of this cmdlet being used to get VM publishers for a specific region:

PS> Get-AzVMIImagePublisher -Location "Central US"

- Get-AzVMIImages
 - Get-AzVMOffer
-

Q49) Correct or Incorrect: Azure App Service apps support partial backup.

- Correct

Explanation:-Azure App Service apps support partial backups. In some cases you may want to exclude files that are backed up. To exclude files and folders, you need to create a _backup.filter file in the D:\home\site\wwwroot folder of your app. You can specify the files and folders you want to exclude in this file.

- Incorrect
-

Q50)

The marketing department wants to create a product recommendation engine on your e-commerce site.

Which Cosmos DB API would you recommend for this use case?

- Azure Table storage
- Core (SQL)
- MongoDB
- Gremlin (graph)

Explanation:-A graph database is a perfect fit for modeling this kind of data. Gremlin, the graph query language, supports the marketing department's requirements. The following table describes why the other solutions would not be appropriate in this use case:

Q51) Which App Service plans do NOT allow you to scale out?

- Standard
 - Basic
 - Shared
 - Free
-

Q52) To stream logs live in Azure Cloud Shell, which of following Azure CLI commands would you run?

- az logtail
- az tail
- az webapp log tail

Explanation:-To stream logs live in Azure Cloud Shell, you run the az webapp log tail command. The following is an example of this command:
az webapp log tail --name appname --resource-group myResourceGroup

- az tail azurewebapp
-

Q53) A team wants to take advantage of Azure Cosmos DB's global distribution. Which of the following is the optional parameter the team would set to specify the preferred location list when initializing a connection using the SQL SDK?

- CurrentLocations
- DefaultLocations
- PreferredLocations

Explanation:-A preference list is specified when initializing a connection using the SQL SDKs. The SDKs accept the optional parameter

PreferredLocations, which is an ordered list of Azure regions. All reads are sent to the first available region in the PreferredLocations list. If a request fails, the client fails down the list to the next region, and so on. The following C# code sample demonstrates this:

```
// Getting endpoints from application settings or other configuration location
Uri accountEndPoint = new Uri(Properties.Settings.Default.GlobalDatabaseUri);
string accountKey = Properties.Settings.Default.GlobalDatabaseKey;

ConnectionPolicy connectionPolicy = new ConnectionPolicy();

//Setting read region selection preference
connectionPolicy.PreferredLocations.Add(LocationNames.WestUS); // first preference
connectionPolicy.PreferredLocations.Add(LocationNames.EastUS); // second preference
connectionPolicy.PreferredLocations.Add(LocationNames.NorthEurope); // third preference

// initialize connection
DocumentClient docClient = new DocumentClient(
accountEndPoint,
accountKey,
connectionPolicy);

// connect to DocDB
await docClient.OpenAsync().ConfigureAwait(false);
```

DesiredLocations

Q54) To get the details of an Azure web app's settings, which Azure CLI command should a developer execute?

- az webapp config appsettings show
- az webapp config appsettings list

Explanation:-In order to get the details of an Azure web app's settings, you run the az webapp config appsettings list command. The following is an example of this command:

```
az webapp config appsettings list --name MyWebapp --resource-group MyResourceGroup --subscription MySubscription
```

- az webapp config appsettings display
 - az webapp config appsettings set
-

Q55)

A team needs a VM for a daily batch processing job. This workload runs overnight and can be interrupted.

Which VM type would you recommend for this use case?

- Storage optimized
 - Spot instances
 - Memory optimized
 - High-performance compute
-

Q56) Correct or Incorrect: Azure Container Registry does not support pushing more than one container image.

- Correct
- Incorrect

Explanation:-Azure Container Registry uses multistep tasks to build or push several images in series or in parallel. Multistep tasks extend the single-image build-and-push capability of Azure Container Registry tasks

Q57) Which NuGet package provides management capabilities for Microsoft Azure?

- Microsoft .Azure.Management.Fluent

Explanation:-Microsoft.Azure.Management.Fluent provides management (Fluent) capabilities for Microsoft Azure. It is part of the Azure Management Libraries for .NET, which is a higher-level, object-oriented API for managing Azure resources.

- Microsoft.Management.Azure
 - Azure.Management.Fluent
 - Microsoft.Azure.Fluent
-

Q58) Your team is enabling Application Insights. Which availability test should the team use to validate whether an endpoint is responding?

- URL ping test

Explanation:-The URL ping test uses advanced HTTP request functionality to validate whether an endpoint is responding. It also measures the performance associated with that response and adds the ability to set custom success criteria coupled with more advanced features, such as parsing dependent requests and allowing for retries. Other types of availability tests include the following:

- Multi-step web test: This test records of a sequence of web requests, which can be played back to test more complex scenarios. Multi-step web tests are created in Visual Studio Enterprise and uploaded to the portal for execution.
- Custom track availability test: If you decide to create a custom application to run availability tests, the TrackAvailability() method can be used to send the results to Application Insights.

- Multi-step availability test
 - Web availability test
 - Multi-step web test
-

Q59)

A developer has created a CDN profile and endpoint, but the content isn't available on the CDN. Users who are trying to access the CDN URL receive an HTTP 404 status code.

What are two possible causes of this?

- The file's origin isn't visible to the CDN.

Explanation:-There are several possible reasons the CDN URL might return an HTTP 404 status code:

- The file's origin isn't visible to the CDN.
- The endpoint is misconfigured, causing the CDN to look in the wrong place.
- The host is rejecting the host header from the CDN.
- The endpoint hasn't had time to propagate throughout the CDN.

- The host is rejecting the host header from the CDN.

Explanation:-There are several possible reasons the CDN URL might return an HTTP 404 status code:

- The file's origin isn't visible to the CDN.
- The endpoint is misconfigured, causing the CDN to look in the wrong place.
- The host is rejecting the host header from the CDN.
- The endpoint hasn't had time to propagate throughout the CDN.

- The CDN is trying to serve unsupported file types.

- The file's TTL (time-to-live) has expired.

Q60)

Your team is implementing an Azure Redis cache. Two of the requirements are that the cache be replicated with a high availability SLA and Redis data persistence.

Which tier of Azure Redis Cache should the team select?

- Isolated
- Shared
- Premium

Explanation:-There are three tiers of Azure Cache for Redis offerings:

- Basic
- Standard
- Premium

The following table provides a feature comparison:

- Standard

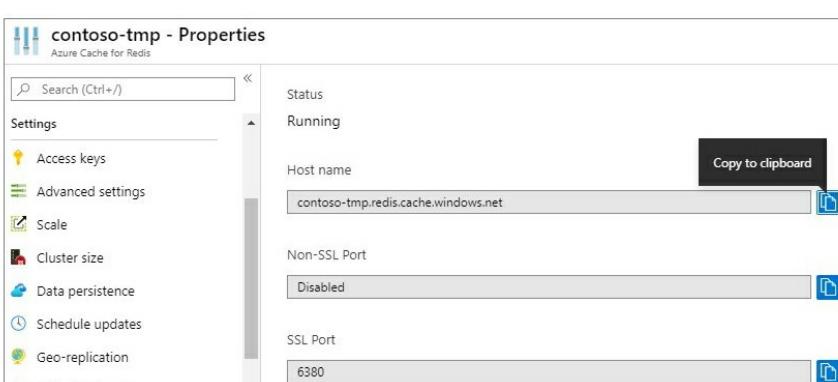
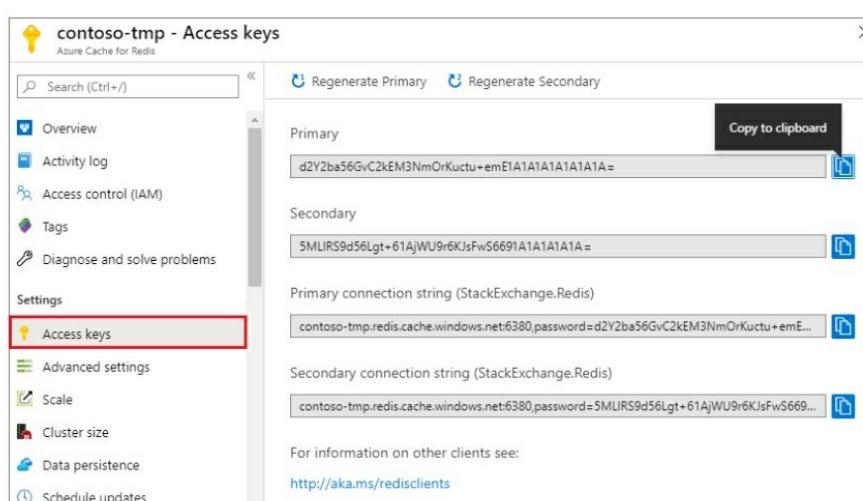
Q61)

A team is deploying an ASP.NET application that connects to an Azure Redis cache. Based on the two screens shown here, what data would the team use to update the following CacheSecrets.config file's access key?

<appSettings>

```
<add key="CacheConnection" value=".redis.cache.windows.net,abortConnect=false,ssl=true,password=<access-key>"/>
```

</appSettings>





Location
Central US

- Primary access key

Explanation:-To connect to Redis Cache, the team needs to create a CacheSecrets.config file. The file should be updated to include the with the cache host name from the first image, and should be updated with the primary key from the second image.

- Primary connection string
- Host name
- Secondary access key

Q62) Correct or Incorrect: If your team wants to monitor the health of individual Azure CDN endpoints, it can use Azure CDN Resource Health to accomplish this.

- Correct
- Incorrect

Explanation:-Azure CDN Resource Health only currently accounts for the health of global CDN delivery and API capabilities. Azure CDN Resource Health does not verify individual CDN endpoints.

Q63) You are creating a content delivery network in Azure. What determines what resources can be cached?

- HTTP request
- HTTP response

Explanation:-Not all resources can be cached. The following table shows what resources can be cached, based on the type of HTTP response. Resources delivered with HTTP responses that don't meet all of these conditions cannot be cached.

- File extension
- File size

Q64) You are enabling Application Insights. If both agent-based monitoring and manual SDK-based instrumentation are detected, which will be honored?

- Both will be honored.
- They will cancel each other out, and monitoring will be disabled.
- Manual SDK-based instrumentation

Explanation:-There are two ways to enable Application Insights. If both agent-based monitoring and manual SDK-based instrumentation are detected, only the manual instrumentation settings will be honored. This prevents duplicate data from being sent.

- Agent-based monitoring

Q65) A developer is writing a method to purge an Azure CDN endpoint. Based on the following code sample, what property should the developer call (in the blank shown in the code sample) to accomplish this?

```
private static void PromptPurgeCdnEndpoint(CdnManagementClient cdn)
{
    if (PromptUser(String.Format("Purge CDN endpoint {0}?", endpointName)))
    {
        Console.WriteLine("Purging endpoint. Please wait...");
        cdn.Endpoints._____.
        Console.WriteLine("Done.");
        Console.WriteLine();
    }
}
```

- DeleteContent
- PurgeEndpoint
- PurgeContent

Explanation:-The developer would use the PurgeContent method:

```
PurgeContent(endpointName, profileName, resourceGroupName, new List() { /* */ });

The following is an example of the full method:
private static void PromptPurgeCdnEndpoint(CdnManagementClient cdn)
{
    if (PromptUser(String.Format("Purge CDN endpoint {0}?", endpointName)))
    {
        Console.WriteLine("Purging endpoint. Please wait...");
        cdn.Endpoints.PurgeContent(endpointName, profileName, resourceGroupName, new List() { /* */ });
        Console.WriteLine("Done.");
        Console.WriteLine();
    }
}
```

- DeleteEndpoint

Q66)

A team is implementing Azure Redis Cache. Two of the requirements are that the cache be geo-replicated and that it provide encryption in transit.

Which tier of Azure Redis Cache should the team select?

- Premium

Explanation:-There are three tiers of Azure Cache for Redis offerings:

- Basic
- Standard
- Premium

The following table provides a feature comparison:

- Shared
- Standard
- Isolated

Q67) Correct or Incorrect: Azure CDN Resource Health verifies individual CDN endpoints

- Correct
- Incorrect

Explanation:-Azure CDN Resource Health only accounts for the health of global CDN delivery and API capabilities. Azure CDN Resource Health does not verify individual CDN endpoints.

Q68) The logs indicate that a developer deleted an Azure Key Vault key 118 days ago. Can the developer recover the key?

- Correct
- Incorrect

Explanation:-Azure Key Vault's soft-delete feature allows recovery of deleted vaults and vault objects. Specifically, it addresses the following scenarios:

- Support for recoverable deletion of a key vault
- Support for recoverable deletion of key vault objects (for example, keys, secrets, certificates)

When soft-delete is enabled, resources marked as deleted resources are retained for a specified period (90 days). The service further provides a mechanism for recovering the deleted object, essentially making it possible to undo the deletion.

Q69) What types of shared access signatures (SASs) does Azure Storage support?

- Account-level SAS

Explanation:-Azure Storage supports the following shared access signatures:

- Account-level SAS: Delegates access to resources in one or more of the storage services.
- Service-level SAS: Delegates access to a resource in just one of the storage services.
- User-delegation SAS: Delegates access to only containers and blobs and is secured with AD credentials.
- Application-level SAS
- Individual-level SAS
- User-delegation SAS

Explanation:-Azure Storage supports the following shared access signatures:

- Account-level SAS: Delegates access to resources in one or more of the storage services.
- Service-level SAS: Delegates access to a resource in just one of the storage services.
- User-delegation SAS: Delegates access to only containers and blobs and is secured with AD credentials.

Q70) When soft delete is enabled in Azure Key Vault, what is the default retention period?

- 30 days
- 90 days

Explanation:-When soft delete is enabled, resources marked as deleted resources are retained for a specified period (90 days by default)

- 120 days
- 60 days

Q71) Correct or Incorrect: Managed identities for Azure resources are supported only on Windows virtual machines.

- Correct
- Incorrect

Explanation:-Managed identities for Azure resources are supported on both Windows and Linux VMs.

Q72) A team wants to migrate an existing App Service app to a different subscription. Once the app is migrated, the managed identities should follow and should not need to be updated.

- Correct
- Incorrect

Explanation:-Managed identities for App Service and Azure Functions do not behave as expected if an app is migrated across subscriptions/tenants. The app needs to obtain a new identity, which can be done by disabling and re-enabling the feature. Downstream resources also need to have access policies updated to use the new identity.

Q73) In the following method, what does the AddSignIn extension do?

```
public class Startup
{
    ...
    // This method gets called by the runtime. Use this method to add services to the container.
    public void ConfigureServices(IServiceCollection services)
    {
        services.AddSignIn(Configuration, "AzureAd");

        services.AddRazorPages().AddMvcOptions(options =>
        {
            var policy = new AuthorizationPolicyBuilder()
```

```
.RequireAuthenticatedUser()
.Build();
options.Filters.Add(new AuthorizeFilter(policy));
}).AddMicrosoftIdentityUI();
```

- Enables single sign-on
- Adds the authentication service

Explanation:-The AddSignIn extension method is defined in Microsoft.Identity.Web. It does the following:

- Adds the authentication service
- Configures options to read the configuration file (such as from the AzureAD section)
- Configures the OpenID Connect options so that the authority is the Microsoft identity platform endpoint
- Validates the issuer of the token
- Ensures that the claims corresponding to name are mapped from the preferred_username claim in the ID token
- Validates the issuer of the token

Explanation:-The AddSignIn extension method is defined in Microsoft.Identity.Web. It does the following:

- Adds the authentication service
- Configures options to read the configuration file (such as from the AzureAD section)
- Configures the OpenID Connect options so that the authority is the Microsoft identity platform endpoint
- Validates the issuer of the token
- Ensures that the claims corresponding to name are mapped from the preferred_username claim in the ID token
- Configures Azure AD

Q74)

A developer is developing an application that will use an authorization code flow to exchange an authorization code for an access token in Azure Active Directory B2C.

What should the developer create in the Azure portal to support this?

- Web app
- Login page
- Client secret

Explanation:-If an application exchanges an authorization code for an access token, you need to create a client secret. To set up the client secret in the Azure portal, follow these steps:

1. In the Azure AD B2C - App Registrations page, select the application you created (for example webapp1).
2. Under Manage, select Certificates & Secrets.
3. Select New Client Secret.
4. Enter a description for the client secret in the Description box (for example, clientsecret1).
5. Under Expires, select a duration for which the secret is valid and then click Add.
6. Record the secret's value, which you then use as the application secret in your application's code.

- None of these

Q75) Correct or Incorrect: By default, App Service provides authentication but doesn't restrict authorized access to your site content and APIs.

- Correct

Explanation:-By default, Azure App Service provides authentication but not authorization.

- Incorrect

Q76) Based on the following diagram, what owns the data and has the power to allow third parties to access that data or resources?

- OAuth client
- Authorization server
- Resource owner

Explanation:-The resource owner is typically the end user. It's the party that owns the data and has the power to allow third parties to access that data or resource.

- Resource server

Q77) Correct or Incorrect: A developer who is creating an Azure key vault for a web application can use the same key vault name he is using for the associated storage account.

- Incorrect

Explanation:-Vault names and Managed HSM pool names are selected by the user and are globally unique. Refer - <https://docs.microsoft.com/en-us/azure/key-vault/general/about-keys-secrets-certificates>

- Correct

Q78) Which of the following PowerShell commands creates or updates a secret in Azure Key Vault?

- Set-NewAzKeyVaultSecret
- Set-AzSecret
- New-AzKeyVault
- Set-AzKeyVaultSecret

Explanation:-To create or update a secret in Azure Key Vault using PowerShell, you run the Set-AzKeyVaultSecret command.

Q79) You need to add a user to view only existing Azure resources. What role do you assign to the user?

- Owner
- Contributor
- Viewer
- Reader

Explanation:-The Reader role can only view existing Azure resources. The following table outlines the built-in general roles available in Azure:

Q80) Which of the following uniquely identifies your app in Azure?

- Endpoint
- Application ID

Explanation:-The application ID uniquely identifies your app in Azure.

- Resource owner
- OAuth client

Q81) Which of the following must you configure in order for your App Service app to use Azure AD?

- Client secret
- Redirect URI
- Tenant ID

Explanation:-You need the following information when you configure your App Service app for Azure AD:

Client ID
Tenant ID
Client secret (optional)
Application ID URI
 Application ID URI

Q82)

A team is developing an application to use OAuth 2.0. When registering the application in the Azure portal, the team needs to specify who can use the application.

Which of the following are supported account types?

- Accounts in only personal Microsoft accounts
- Accounts in any organizational directory

Explanation:-The following table describes the supported account types:

- Accounts in this organizational directory only

Explanation:-The following table describes the supported account types:

- Accounts in any organizational directory and personal Microsoft accounts

Explanation:-The following table describes the supported account types:

Q83) A company has developed an application and deployed it to the Azure App Service. They have defined a scale out condition that will scale the App if the average number of Active messages in a service bus queue is greater than 1000.

You need to ensure that the App service continually scales down with a scale down rule.

The scale rule is given below. You have to choose the right options for the scale rule to ensure the scaling down process occurs.

Which of the following would you choose as the operation for the rule?

- Decrease percent by
- Increase percent by
- Increase count by
- Decrease count by

Explanation:-The scale down rule should be used to reduce the number of instances, so we can use the Decrease count by rule. Use the "decrease percent by" when you want to reduce it by a particular percentage.

Q84) A development team needs to create an Azure Function that would perform the following tasks

- Read messages from a queue defined as XYZqueue**
 - Write the subsequent data read from the messages to Azure Table storage**
- You need to complete the following function.json file for this scenario**

Which of the following would go into Slot1?

- in

Explanation:-Since we need to read messages from the queue, hence this needs to be tagged as the 'in' direction in the json settings file. An example of this is provided in the Microsoft documentation

- out
- target
- source

Q85) A development team needs to create an Azure Function that would perform the following tasks

- Read messages from a queue defined as XYZqueue**
 - Write the subsequent data read from the messages to Azure Table storage**
- You need to complete the following function.json file for this scenario**

Which of the following would go into Slot2?

- table

Explanation:-Since the messages need to be written by the Azure function into an Azure storage table, we need to mention the type as 'table'. An example of this is provided in the Microsoft documentation

- storage

- account
 - db
-

Q86) A development team needs to create an Azure Function that would perform the following tasks

- Read messages from a queue defined as XYZqueue
- Write the subsequent data read from the messages to Azure Table storage

You need to complete the following function.json file for this scenario

Which of the following would go into Slot3?

- target
- out

Explanation:-Since the messages need to be written by the Azure function into an Azure storage table, we need to mention the parameter as an 'out' parameter. An example of this is provided in the Microsoft documentation

- in
 - source
-

Q87) 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 Slot3?

- CreateInstallation
- CreateClientFromConnectionString

Explanation:-An example of this is given in the Microsoft documentation

- GetInstallation
 - PatchInstallation
-

Q88) 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 Slot4?

- ScheduleNotification
- SendWindowsNativeNotificationAsync

Explanation:-An example of this is given in the Microsoft documentation

- SendWindowsNativeAsync
 - ScheduleNotificationAsync
-