Actual exam question from Microsoft's AZ-204

Question #: 1

Topic #: 1

[All AZ-204 Questions]

You have two Hyper-V hosts named Host1 and Host2. Host1 has an Azure virtual machine named VM1 that was deployed by using a custom Azure Resource Manager template.

You need to move VM1 to Host2.

What should you do?

    A. From the Update management blade, click Enable.

    B. From the Overview blade, move VM1 to a different subscription.

    C. From the Redeploy blade, click Redeploy.

    D. From the Profile blade, modify the usage location.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 2

Topic #: 1

[All AZ-204 Questions]

DRAG DROP -

You have downloaded an Azure Resource Manager template to deploy numerous virtual machines. The template is based on a current virtual machine, but must be adapted to reference an administrative password.

You need to make sure that the password is not stored in plain text.

You are preparing to create the necessary components to achieve your goal.

Which of the following should you create to achieve your goal? Answer by dragging the correct option from the list to the answer area.

Select and Place:

Options

An Azure Key Vault

An Azure Storage account

Azure Active Directory (AD) Identity Protection

An access policy

An Azure policy

A backup policy

Answer

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 3

Topic #: 1

[All AZ-204 Questions]

Your company has an Azure Kubernetes Service (AKS) cluster that you manage from an Azure AD-joined device. The cluster is located in a resource group.

Developers have created an application named MyApp. MyApp was packaged into a container image.

You need to deploy the YAML manifest file for the application.

Solution: You install the Azure CLI on the device and run the kubectl apply `"f myapp.yaml command.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 4

Topic #: 1

[All AZ-204 Questions]

Your company has an Azure Kubernetes Service (AKS) cluster that you manage from an Azure AD-joined device. The cluster is located in a resource group.

Developers have created an application named MyApp. MyApp was packaged into a container image.

You need to deploy the YAML manifest file for the application.

Solution: You install the docker client on the device and run the docker run -it microsoft/azure-cli:0.10.17 command.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 5

Topic #: 1

[All AZ-204 Questions]

Your company has a web app named WebApp1.

You use the WebJobs SDK to design a triggered App Service background task that automatically invokes a function in the code every time new data is received in a queue.

You are preparing to configure the service processes a queue data item.

Which of the following is the service you should use?

    A. Logic Apps

    B. WebJobs

    C. Flow

    D. Functions

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 6

Topic #: 1

[All AZ-204 Questions]

Your company has an Azure subscription.

You need to deploy a number of Azure virtual machines to the subscription by using Azure Resource Manager (ARM) templates. The virtual machines will be included in a single availability set.

You need to ensure that the ARM template allows for as many virtual machines as possible to remain accessible in the event of fabric failure or maintenance.

Which of the following is the value that you should configure for the platformFaultDomainCount property?

A. 10

B. 30

C. Min Value

D. Max Value

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 7

Topic #: 1

[All AZ-204 Questions]

Your company has an Azure subscription.

You need to deploy a number of Azure virtual machines to the subscription by using Azure Resource Manager (ARM) templates. The virtual machines will be included in a single availability set.

You need to ensure that the ARM template allows for as many virtual machines as possible to remain accessible in the event of fabric failure or maintenance.

Which of the following is the value that you should configure for the platformUpdateDomainCount property?

A. 10

B. 20

C. 30

D. 40

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 8

Topic #: 1

[All AZ-204 Questions]

DRAG DROP -

You are creating an Azure Cosmos DB account that makes use of the SQL API. Data will be added to the account every day by a web application.

You need to ensure that an email notification is sent when information is received from IoT devices, and that compute cost is reduced.

You decide to deploy a function app.

Which of the following should you configure the function app to use? Answer by dragging the correct options from the list to the answer area.

Select and Place:

Options

Azure Cosmos DB connector

SendGrid action

Consumption plan

Azure Event Hubs binding

SendGrid binding

Answer

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 9

Topic #: 1

[All AZ-204 Questions]

This question requires that you evaluate the underlined text to determine if it is correct.

You company has an on-premises deployment of MongoDB, and an Azure Cosmos DB account that makes use of the MongoDB API.

You need to devise a strategy to migrate MongoDB to the Azure Cosmos DB account.

You include the Data Management Gateway tool in your migration strategy.

Instructions: Review the underlined text. If it makes the statement correct, select `No change required.` If the statement is incorrect, select the answer choice that makes the statement correct.

    A. No change required

    B. mongorestore

    C. Azure Storage Explorer

    D. AzCopy

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 10

Topic #: 1

[All AZ-204 Questions]

You are developing an e-Commerce Web App.

You want to use Azure Key Vault to ensure that sign-ins to the e-Commerce Web App are secured by using Azure App Service authentication and Azure Active Directory (AAD).

What should you do on the e-Commerce Web App?

A. Run the az keyvault secret command.

B. Enable Azure AD Connect.

C. Enable Managed Service Identity (MSI).

D. Create an Azure AD service principal.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 11

Topic #: 1

[All AZ-204 Questions]

This question requires that you evaluate the underlined text to determine if it is correct.

Your Azure Active Directory Azure (Azure AD) tenant has an Azure subscription linked to it.

Your developer has created a mobile application that obtains Azure AD access tokens using the OAuth 2 implicit grant type.

The mobile application must be registered in Azure AD.

You require a redirect URI from the developer for registration purposes.

Instructions: Review the underlined text. If it makes the statement correct, select `No change is needed.` If the statement is incorrect, select the answer choice that makes the statement correct.

A. No change required.

B. a secret

C. a login hint

D. a client ID

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 12

Topic #: 1

[All AZ-204 Questions]

You are creating an Azure key vault using PowerShell. Objects deleted from the key vault must be kept for a set period of 90 days.

Which two of the following parameters must be used in conjunction to meet the requirement? (Choose two.)

    A. EnabledForDeployment

    B. EnablePurgeProtection

    C. EnabledForTemplateDeployment

    D. EnableSoftDelete

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 13

Topic #: 1

[All AZ-204 Questions]

HOTSPOT -

You have an **Azure Active Directory (Azure AD)** tenant.

You want to implement multi-factor authentication by making use of a conditional access policy. The conditional access policy must be applied to all users when they access the Azure portal.

Which three settings should you configure? To answer, select the appropriate settings in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Require MFA for Azure port...   ▢   ✕

ⓘ Info   🗑 Delete

* Name

`MFA required for Azure portal access`

Assignments

Users and groups ⓘ
0 users selected   ＞

Cloud apps ⓘ
0 apps selected   ＞

Conditions ⓘ
0 conditions selected   ＞

Access controls

Grant ⓘ
0 controls selected   ＞

Session ⓘ
0 controls selected   ＞

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 14

Topic #: 1

[All AZ-204 Questions]

You manage an Azure SQL database that allows for Azure AD authentication.

You need to make sure that database developers can connect to the SQL database via Microsoft SQL Server Management Studio (SSMS). You also need to make sure the developers use their on-premises Active Directory account for authentication. Your strategy should allow for authentication prompts to be kept to a minimum. Which of the following should you implement?

    A. Azure AD token.

    B. Azure Multi-Factor authentication.

    C. Active Directory integrated authentication.

    D. OATH software tokens.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 15

Topic #: 1

[All AZ-204 Questions]

You are developing an application to transfer data between on-premises file servers and Azure Blob storage. The application stores keys, secrets, and certificates in Azure Key Vault and makes use of the Azure Key Vault APIs.

You want to configure the application to allow recovery of an accidental deletion of the key vault or key vault objects for 90 days after deletion.

What should you do?

A. Run the Add-AzKeyVaultKey cmdlet.

B. Run the az keyvault update --enable-soft-delete true --enable-purge-protection true CLI.

C. Implement virtual network service endpoints for Azure Key Vault.

D. Run the az keyvault update --enable-soft-delete false CLI.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 16

Topic #: 1

[All AZ-204 Questions]

HOTSPOT -

You have developed a Web App for your company. The Web App provides services and must run in multiple regions.

You want to be notified whenever the Web App uses more than 85 percent of the available CPU cores over a 5 minute period. Your solution must minimize costs.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

az monitor metrics alert create -n myAlert -g myResourceGroup

--scopes targetResourceID --condition " [_____ ⌄] > 85"

[_____ ⌄] 5m

--window size

--evaluation-frequency

--auto-mitigate

CPU Usage

Percentage CPU

avg Percentage CPU

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 17

Topic #: 1

[All AZ-204 Questions]

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are configuring a web app that delivers streaming video to users. The application makes use of continuous integration and deployment.

You need to ensure that the application is highly available and that the users' streaming experience is constant. You also want to configure the application to store data in a geographic location that is nearest to the user.

Solution: You include the use of Azure Redis Cache in your design.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 18

Topic #: 1

[All AZ-204 Questions]

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are configuring a web app that delivers streaming video to users. The application makes use of continuous integration and deployment.

You need to ensure that the application is highly available and that the users' streaming experience is constant. You also want to configure the application to store data in a geographic location that is nearest to the user.

Solution: You include the use of an Azure Content Delivery Network (CDN) in your design.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 19

Topic #: 1

[All AZ-204 Questions]

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are configuring a web app that delivers streaming video to users. The application makes use of continuous integration and deployment.

You need to ensure that the application is highly available and that the users' streaming experience is constant. You also want to configure the application to store data in a geographic location that is nearest to the user.

Solution: You include the use of a Storage Area Network (SAN) in your design.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 20

Topic #: 1

[All AZ-204 Questions]

You develop a Web App on a tier D1 app service plan.

You notice that page load times increase during periods of peak traffic.

You want to implement automatic scaling when CPU load is above 80 percent. Your solution must minimize costs.

What should you do first?

A. Enable autoscaling on the Web App.

B. Switch to the Premium App Service tier plan.

C. Switch to the Standard App Service tier plan.

D. Switch to the Azure App Services consumption plan.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 21

Topic #: 1

[All AZ-204 Questions]

Your company's Azure subscription includes an Azure Log Analytics workspace.

Your company has a hundred on-premises servers that run either Windows Server 2012 R2 or Windows Server 2016, and is linked to the Azure Log Analytics workspace. The Azure Log Analytics workspace is set up to gather performance counters associated with security from these linked servers.

You must configure alerts based on the information gathered by the Azure Log Analytics workspace.

You have to make sure that alert rules allow for dimensions, and that alert creation time should be kept to a minimum. Furthermore, a single alert notification must be created when the alert is created and when the alert is resolved.

You need to make use of the necessary signal type when creating the alert rules.

Which of the following is the option you should use?

A. The Activity log signal type.

B. The Application Log signal type.

C. The Metric signal type.

D. The Audit Log signal type.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 22

Topic #: 1

[All AZ-204 Questions]

You are developing a .NET Core MVC application that allows customers to research independent holiday accommodation providers.

You want to implement Azure Search to allow the application to search the index by using various criteria to locate documents related to accommodation.

You want the application to allow customers to search the index by using regular expressions.

What should you do?

A. Configure the SearchMode property of the SearchParameters class.

B. Configure the QueryType property of the SearchParameters class.

C. Configure the Facets property of the SearchParameters class.

D. Configure the Filter property of the SearchParameters class.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 23

Topic #: 1

[All AZ-204 Questions]

You are a developer at your company.

You need to update the definitions for an existing Logic App.

What should you use?

A. the Enterprise Integration Pack (EIP)

B. the Logic App Code View

C. the API Connections

D. the Logic Apps Designer

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 24

Topic #: 1

[All AZ-204 Questions]

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are developing a solution for a public facing API.

The API back end is hosted in an Azure App Service instance. You have implemented a RESTful service for the API back end.

You must configure back-end authentication for the API Management service instance.

Solution: You configure Basic gateway credentials for the Azure resource.

Does the solution meet the goal?

    A. Yes

    B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 25

Topic #: 1

[All AZ-204 Questions]

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are developing a solution for a public facing API.

The API back end is hosted in an Azure App Service instance. You have implemented a RESTful service for the API back end.

You must configure back-end authentication for the API Management service instance.

Solution: You configure Client cert gateway credentials for the HTTP(s) endpoint.

Does the solution meet the goal?

    A. Yes

    B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 26

Topic #: 1

[All AZ-204 Questions]

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are developing a solution for a public facing API.

The API back end is hosted in an Azure App Service instance. You have implemented a RESTful service for the API back end.

You must configure back-end authentication for the API Management service instance.

Solution: You configure Basic gateway credentials for the HTTP(s) endpoint.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 27

Topic #: 1

[All AZ-204 Questions]

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are developing a solution for a public facing API.

The API back end is hosted in an Azure App Service instance. You have implemented a RESTful service for the API back end.

You must configure back-end authentication for the API Management service instance.

Solution: You configure Client cert gateway credentials for the Azure resource.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 28

Topic #: 1

[All AZ-204 Questions]

You are developing a .NET Core MVC application that allows customers to research independent holiday accommodation providers.

You want to implement Azure Search to allow the application to search the index by using various criteria to locate documents related to accommodation venues.

You want the application to list holiday accommodation venues that fall within a specific price range and are within a specified distance to an airport.

What should you do?

A. Configure the SearchMode property of the SearchParameters class.

B. Configure the QueryType property of the SearchParameters class.

C. Configure the Facets property of the SearchParameters class.

D. Configure the Filter property of the SearchParameters class.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 29

Topic #: 1

[All AZ-204 Questions]

You are a developer at your company.

You need to edit the workflows for an existing Logic App.

What should you use?

A. the Enterprise Integration Pack (EIP)

B. the Logic App Code View

C. the API Connections

D. the Logic Apps Designer

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 30

Topic #: 1

[All AZ-204 Questions]

DRAG DROP -

You are a developer for a company that provides a bookings management service in the tourism industry. You are implementing Azure Search for the tour agencies listed in your company's solution.

You create the index in Azure Search. You now need to use the Azure Search .NET SDK to import the relevant data into the Azure Search service.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions from left to right and arrange them in the correct order.

Select and Place:

Answer Area

Create a DataSource instance and set its Container property to the DataContainer.

Create an IndexBatch that contains the documents which must be added.

Set the DataSources property of the SearchServiceClient.

Create a SearchIndexClient object to connect to the search index.

Call the Documents.Index method of the SearchIndexClient and pass the IndexBatch.

Call the Documents.Suggest method of the SearchIndexClient and pass the DataSource.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 31

Topic #: 1

[All AZ-204 Questions]

You are developing an application that applies a set of governance policies for internal and external services, as well as for applications.

You develop a stateful ASP.NET Core 2.1 web application named PolicyApp and deploy it to an Azure App Service Web App. The PolicyApp reacts to events from Azure Event Grid and performs policy actions based on those events.

You have the following requirements:

☞ Authentication events must be used to monitor users when they sign in and sign out.

☞ All authentication events must be processed by PolicyApp.

☞ Sign outs must be processed as fast as possible.

What should you do?

A. Create a new Azure Event Grid subscription for all authentication events. Use the subscription to process sign-out events.

B. Create a separate Azure Event Grid handler for sign-in and sign-out events.

C. Create separate Azure Event Grid topics and subscriptions for sign-in and sign-out events.

D. Add a subject prefix to sign-out events. Create an Azure Event Grid subscription. Configure the subscription to use the subjectBeginsWith filter.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 32

Topic #: 1

[All AZ-204 Questions]

HOTSPOT -

You are developing a C++ application that compiles to a native application named process.exe. The application accepts images as input and returns images in one of the following image formats: GIF, PNG, or JPEG.

You must deploy the application as an Azure Function.

You need to configure the function and host json files.

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

NOTE: Each correct selection is worth one point.

Hot Area:

```
function.json
{
```

▼
"type": "http"
"platform": "gcm"
"datatype": "stream"
"path": "process.exe"

```
   "direction": "out",
   "name" : "result"
}
host.json
```

▼
"customHandler": { "description": {
"languageWorker": { "path": {
"extensions": {"worker": {
"extensionBundle": {

```
      "defaultExecutablePath": "process.exe"
},
```

▼
"enableForwardingHttpRequest": true
"enableForwardingHttpRequest": false

```
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 33

Topic #: 1

[All AZ-204 Questions]

HOTSPOT

-

You are developing an Azure Static Web app that contains training materials for a tool company. Each tool's training material is contained in a static web page that is linked from the tool's publicly available description page.

A user must be authenticated using Azure AD prior to viewing training.

You need to ensure that the user can view training material pages after authentication.

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

NOTE: Each correct selection is worth one point.

Answer Area

```
{
    "  [ ▼ ]  ": {
        routes
        headers
        responseOverrides
        navigationFallback

    "  [ ▼ ]  ": {
        400
        401
        403
        404

    "redirect": "/auth/login/   ?post_l  [ ▼ ]
                                  add
                                  azure
                                  graph
                                  microsoftonline

    "statusCode":302  [ ▼ ]
                       orig
                       route
                       return
                       .referrer

        }
    }
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 34

Topic #: 1

[All AZ-204 Questions]

HOTSPOT

-

You are authoring a set of nested Azure Resource Manager templates to deploy Azure resources. You author an Azure Resource Manager template named mainTemplate.json that contains the following linked templates: linkedTemplate1.json, linkedTemplate2.json.

You add parameters to a parameters template file named mainTemplate.parameters,json. You save all templates on a local device in the C:\templates\ folder.

You have the following requirements:

• Store the templates in Azure for later deployment.
• Enable versioning of the templates.
• Manage access to the templates by using Azure RBAC.
• Ensure that users have read-only access to the templates.
• Allow users to deploy the templates.

You need to store the templates in Azure.

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 Area

```
az [                    ▼ ] \
      ts create
      storage account create
      storage account update
      blueprint artifact template create

   --name templateStore \
    --version "1.0" \
    --resource-group templatesRG \
    --location "eastus" \

   --template-file [              ▼ ] "\
                      mainTemplate.json
                      linkedTemplate1.json
                      linkedTemplate2.json
                      mainTemplate.parameters.json

   "C:\templates\
     --tags Dept=HumanResources Environment=Production
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 35

Topic #: 1

[All AZ-204 Questions]

HOTSPOT

-

You are developing a service where customers can report news events from a browser using Azure Web PubSub. The service is implemented as an Azure Function App that uses the JSON WebSocket subprotocol to receive news events.

You need to implement the bindings for the Azure Function App.

How should you configure the binding? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
{
  "bindings": [
    {
      "type": "            ▼ ",
              user
              system
              message
              connected
              webPubSubTrigger
              webPubSubConnection
      "direction": "in",
      "name": "data",
      "eventName": "message",
      "eventType": "          ▼ "
              user
              system
              message
              connected
              webPubSubTrigger
              webPubSubConnection
    }
  ]
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 36

Topic #: 1

[All AZ-204 Questions]

HOTSPOT

-

You are building a software-as-a-service (SaaS) application that analyzes DNA data that will run on Azure virtual machines (VMs) in an availability zone. The data is stored on managed disks attached to the VM. The performance of the analysis is determined by the speed of the disk attached to the VM.

You have the following requirements:

• The application must be able to quickly revert to the previous day's data if a systemic error is detected.
• The application must minimize downtime in the case of an Azure datacenter outage.

You need to provision the managed disk for the VM to maximize performance while meeting the requirements.

Which type of Azure Managed Disk should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Solution
Disk type	▼
	Premium SSD
	Standard SSD
	Standard HDD
Redundancy	▼
	Geo-redundant storage (GRS)
	Zone-redundant storage (ZRS)
	Locally-redundant storage (LRS)

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 37

Topic #: 1

[All AZ-204 Questions]

HOTSPOT

-

You are developing an application that includes two Docker containers.

The application must meet the following requirements:

• The containers must not run as root.
• The containers must be deployed to Azure Container Instances by using a YAML file.
• The containers must share a lifecycle, resources, local network, and storage volume.
• The storage volume must persist through container crashes.
• The storage volume must be deployed on stop or restart of the containers.

You need to configure Azure Container Instances for the application.

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

NOTE: Each correct selection is worth one point.

Answer Area

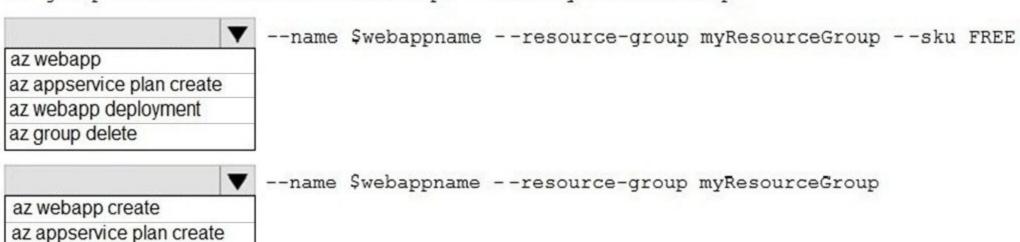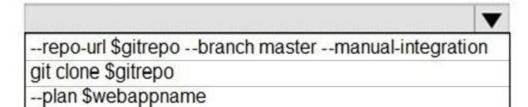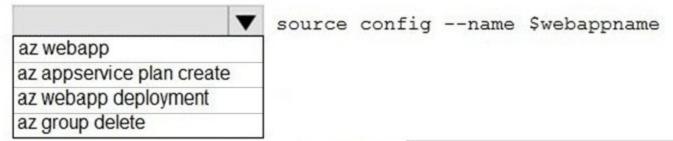**Configuration setting   Configuration value**

Shared lifecycle

Container group
Container image
Service endpoint
Resource group

Storage volume

Azure file share
Secret
Empty directory
Cloned Git repo

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 1

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

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.
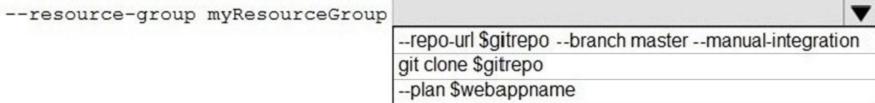
Hot Area:

Answer Area

App service plan setting	Value
Number of VM instances	▼
	2
	4
	8
	16
Pricing tier	▼
	Isolated
	Standard
	Premium
	Consumption

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 2

Topic #: 2

[All AZ-204 Questions]

DRAG DROP -

You are a developer for a software as a service (SaaS) company that uses an Azure Function to process orders. The Azure Function currently runs on an Azure Function app that is triggered by an Azure Storage queue.

You are preparing to migrate the Azure Function to Kubernetes using Kubernetes-based Event Driven Autoscaling (KEDA).

You need to configure Kubernetes Custom Resource Definitions (CRD) for the Azure Function.

Which CRDs should you configure? To answer, drag the appropriate CRD types to the correct locations. Each CRD type may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

CRD types	Setting	CRD type
Secret	Azure Function code	
Deployment		
ScaledObject	Polling interval	
TriggerAuthentication	Azure Storage connection string	

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 3

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

You are creating a CLI script that creates an Azure web app and related services in Azure App Service. The web app uses the following variables:

Variable name	Value
$gitrepo	https://github.com/Contos/webapp
$webappname	Webapp1103

You need to automatically deploy code from GitHub to the newly created web app.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
az group create --location westeurope --name myResourceGroup
```

▼	--name $webappname --resource-group myResourceGroup --sku FREE
az webapp	
az appservice plan create	
az webapp deployment	
az group delete	

▼	--name $webappname --resource-group myResourceGroup
az webapp create	
az appservice plan create	
az webapp deployment	
az group delete	

▼
--repo-url $gitrepo --branch master --manual-integration
git clone $gitrepo
--plan $webappname

▼	source config --name $webappname
az webapp	
az appservice plan create	
az webapp deployment	
az group delete	

```
--resource-group myResourceGroup
```

▼
--repo-url $gitrepo --branch master --manual-integration
git clone $gitrepo
--plan $webappname

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 4

Topic #: 2

[All AZ-204 Questions]

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

You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage Blob storage. The storage account type is General-purpose V2.

When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute.

You need to design the process that starts the photo processing.

Solution: Trigger the photo processing from Blob storage events.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 5

Topic #: 2

[All AZ-204 Questions]

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

You develop and deploy an Azure App Service API app to a Windows-hosted deployment slot named Development. You create additional deployment slots named Testing and Production. You enable auto swap on the Production deployment slot.

You need to ensure that scripts run and resources are available before a swap operation occurs.

Solution: Update the web.config file to include the applicationInitialization configuration element. Specify custom initialization actions to run the scripts.

Does the solution meet the goal?

A. No

B. Yes

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 6

Topic #: 2

[All AZ-204 Questions]

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

You develop and deploy an Azure App Service API app to a Windows-hosted deployment slot named Development. You create additional deployment slots named Testing and Production. You enable auto swap on the Production deployment slot.

You need to ensure that scripts run and resources are available before a swap operation occurs.

Solution: Enable auto swap for the Testing slot. Deploy the app to the Testing slot.

Does the solution meet the goal?

    A. No

    B. Yes

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 7

Topic #: 2

[All AZ-204 Questions]

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

You develop and deploy an Azure App Service API app to a Windows-hosted deployment slot named Development. You create additional deployment slots named Testing and Production. You enable auto swap on the Production deployment slot.

You need to ensure that scripts run and resources are available before a swap operation occurs.

Solution: Disable auto swap. Update the app with a method named statuscheck to run the scripts. Re-enable auto swap and deploy the app to the Production slot.

Does the solution meet the goal?

    A. No

    B. Yes

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 8

Topic #: 2

[All AZ-204 Questions]

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

You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage Blob storage. The storage account type is General-purpose V2.

When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute.

You need to design the process that starts the photo processing.

Solution: Convert the Azure Storage account to a BlockBlobStorage storage account.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 9

Topic #: 2

HOTSPOT -

You are developing an Azure Web App. You configure TLS mutual authentication for the web app.

You need to validate the client certificate in the web app. To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Property	Value
Client certificate location	▼
	HTTP request header
	Client cookie
	HTTP message body
	URL query string
Encoding type	▼
	HTML
	URL
	Unicode
	Base64

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 10

Topic #: 2

[All AZ-204 Questions]

DRAG DROP -

You are developing a Docker/Go using Azure App Service Web App for Containers. You plan to run the container in an App Service on Linux. You identify a Docker container image to use.

None of your current resource groups reside in a location that supports Linux. You must minimize the number of resource groups required.

You need to create the application and perform an initial deployment.

Which three Azure CLI commands should you use to develop the solution? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.
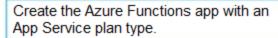
Select and Place:

Azure CLI Commands

az group create

az group update

az webapp update

az webapp create

az appservice plan create

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 11

Topic #: 2

[All AZ-204 Questions]

DRAG DROP -

Fourth Coffee has an ASP.NET Core web app that runs in Docker. The app is mapped to the www.fourthcoffee.com domain.

Fourth Coffee is migrating this application to Azure.

You need to provision an App Service Web App to host this docker image and map the custom domain to the App Service web app.

A resource group named FourthCoffeePublicWebResourceGroup has been created in the WestUS region that contains an App Service Plan named

AppServiceLinuxDockerPlan.

Which order should the CLI commands be used to develop the solution? To answer, move all of the Azure CLI commands from the list of commands to the answer area and arrange them in the correct order.

Select and Place:

Azure CLI Commands

```
az webapp config container set
  --docker-custom-image-name
$dockerHubContainerPath
  --name $appName
  --resource-group
fourthCoffeePublicWebResourceGroup
```

```
az webapp config hostname add
  --webapp-name $appName
  --resource-group
fourthCoffeePublicWebResourceGroup \
  --hostname $fqdn
```

```
az webapp create
  --name $appName
  --plan AppServiceLinuxDockerPlan
  --resource-group
fourthCoffeePublicWebResourceGroup
```

```
#/bin/bash
appName="FourthCoffeePublicWeb$random"
location="WestUS"
dockerHubContainerPath="FourthCoffee/publicweb:v1"
fqdn="http://www.fourthcoffee.com">www.fourthcoffee.com
```

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 12

Topic #: 2

[All AZ-204 Questions]

DRAG DROP -

You are developing a serverless Java application on Azure. You create a new Azure Key Vault to work with secrets from a new Azure Functions application.

The application must meet the following requirements:

☞ Reference the Azure Key Vault without requiring any changes to the Java code.

☞ Dynamically add and remove instances of the Azure Functions host based on the number of incoming application events.

☞ Ensure that instances are perpetually warm to avoid any cold starts.

☞ Connect to a VNet.

☞ Authentication to the Azure Key Vault instance must be removed if the Azure Function application is deleted.

You need to grant the Azure Functions application access to the Azure Key Vault.

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.

Select and Place:

Actions

Create a user-assigned managed identity for the application.

Create the Azure Functions app with a Premium plan type.

Create an access policy in Azure Key Vault for the application identity.

Create an SSL certification in Azure Key Vault for the application identity.

Create the Azure Functions app with an App Service plan type.

Create the Azure Functions app with a Consumption plan type.

Create a system-assigned managed identity for the application.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 13

Topic #: 2

[All AZ-204 Questions]

You develop a website. You plan to host the website in Azure. You expect the website to experience high traffic volumes after it is published.

You must ensure that the website remains available and responsive while minimizing cost.

You need to deploy the website.

What should you do?

    A. Deploy the website to a virtual machine. Configure the virtual machine to automatically scale when the CPU load is high.

    B. Deploy the website to an App Service that uses the Shared service tier. Configure the App Service plan to automatically scale when the CPU load is high.

    C. Deploy the website to a virtual machine. Configure a Scale Set to increase the virtual machine instance count when the CPU load is high.

    D. Deploy the website to an App Service that uses the Standard service tier. Configure the App Service plan to automatically scale when the CPU load is high.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 14

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

A company is developing a Java web app. The web app code is hosted in a GitHub repository located at https://github.com/Contoso/webapp.

The web app must be evaluated before it is moved to production. You must deploy the initial code release to a deployment slot named staging.

You need to create the web app and deploy the code.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
gitrepo=https://github.com/Contoso/webapp
webappname=businesswebapp
resourcegroupname=BusinessAppResourceGroup
```

az [▼] create --location centralus --name $resourcegroupname

```
group
webapp
appservice plan
webapp deployment slot
webapp deployment source
```

az [▼] create --name $webappname --resource-group $resourcegroupname --sku S3

```
group
webapp
appservice plan
webapp deployment slot
webapp deployment source
```

az [▼] create --name $webappname --resource-group $resourcegroupname --plan $webappname

```
group
webapp
appservice plan
webapp deployment slot
webapp deployment source
```

az [▼] create --name $webappname --resource-group $resourcegroupname --slot staging

```
group
webapp
appservice plan
webapp deployment slot
webapp deployment source
```

az [▼] config --name $webappname --resource-group $resourcegroupname \
--slot staging --repo-url $gitrepo --branch master --manual-integration

```
group
webapp
appservice plan
webapp deployment slot
webapp deployment source
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 15

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

You have a web service that is used to pay for food deliveries. The web service uses Azure Cosmos DB as the data store.

You plan to add a new feature that allows users to set a tip amount. The new feature requires that a property named tip on the document in Cosmos DB must be present and contain a numeric value.

There are many existing websites and mobile apps that use the web service that will not be updated to set the tip property for some time.

How should you complete the trigger?

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
function ensureTip() {
    var r = [                                    ▼]
        __.value();
        __.readDocument('item');
        getContext().getRequest();
        getContext().getResponse();

    var i = r.getBody();
    [                                            ▼]
        if (!("tip" in i)) {
        if (request.getValue("tip") = = = null) {
        if (isNaN(i)["tip"] || i["tip"] = = = null) {
        if (typeof __.pluck("tip") = = 'number') {

            i["tip"] = 0;
        }

    [                                            ▼]
        r.setBody(i);
        r.setValue(i);
        __.upsertDocument(i);
        __.replaceDocument(i);
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 16

Topic #: 2

[All AZ-204 Questions]

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

You develop an HTTP triggered Azure Function app to process Azure Storage blob data. The app is triggered using an output binding on the blob.

The app continues to time out after four minutes. The app must process the blob data.

You need to ensure the app does not time out and processes the blob data.

Solution: Use the Durable Function async pattern to process the blob data.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 17

Topic #: 2

[All AZ-204 Questions]

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.

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The app continues to time out after four minutes. The app must process the blob data.

You need to ensure the app does not time out and processes the blob data.

Solution: Pass the HTTP trigger payload into an Azure Service Bus queue to be processed by a queue trigger function and return an immediate HTTP success response.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 18

Topic #: 2

[All AZ-204 Questions]

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.

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You develop an HTTP triggered Azure Function app to process Azure Storage blob data. The app is triggered using an output binding on the blob.

The app continues to time out after four minutes. The app must process the blob data.

You need to ensure the app does not time out and processes the blob data.

Solution: Configure the app to use an App Service hosting plan and enable the Always On setting.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 19

Topic #: 2

[All AZ-204 Questions]

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

You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage Blob storage. The storage account type is General-purpose V2.

When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute.

You need to design the process that starts the photo processing.

Solution: Move photo processing to an Azure Function triggered from the blob upload.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 20

Topic #: 2

[All AZ-204 Questions]

You are developing an application that uses Azure Blob storage.

The application must read the transaction logs of all the changes that occur to the blobs and the blob metadata in the storage account for auditing purposes. The changes must be in the order in which they occurred, include only create, update, delete, and copy operations and be retained for compliance reasons.

You need to process the transaction logs asynchronously.

What should you do?

    A. Process all Azure Blob storage events by using Azure Event Grid with a subscriber Azure Function app.

    B. Enable the change feed on the storage account and process all changes for available events.

    C. Process all Azure Storage Analytics logs for successful blob events.

    D. Use the Azure Monitor HTTP Data Collector API and scan the request body for successful blob events.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 21

Topic #: 2

[All AZ-204 Questions]

DRAG DROP -

You plan to create a Docker image that runs an ASP.NET Core application named ContosoApp. You have a setup script named setupScript.ps1 and a series of application files including ContosoApp.dll.

You need to create a Dockerfile document that meets the following requirements:

☞ Call setupScripts.ps1 when the container is built.

☞ Run ContosoApp.dll when the container starts.

The Dockerfile document must be created in the same folder where ContosoApp.dll and setupScript.ps1 are stored.

Which five commands should you use to develop the solution? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

Select and Place:

Commands

```
FROM microsoft/aspnetcore:latest
```
```
WORKDIR /apps/ContosoApp
```
```
CMD ["dotnet", "ContosoApp.dll"]
```
```
COPY ./ .
```
```
RUN powershell ./setupScript.ps1
```

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 22

Topic #: 2

[All AZ-204 Questions]

You are developing an Azure Function App that processes images that are uploaded to an Azure Blob container.

Images must be processed as quickly as possible after they are uploaded, and the solution must minimize latency. You create code to process images when the Function App is triggered.

You need to configure the Function App.

What should you do?

    A. Use an App Service plan. Configure the Function App to use an Azure Blob Storage input trigger.

    B. Use a Consumption plan. Configure the Function App to use an Azure Blob Storage trigger.

    C. Use a Consumption plan. Configure the Function App to use a Timer trigger.

    D. Use an App Service plan. Configure the Function App to use an Azure Blob Storage trigger.

    E. Use a Consumption plan. Configure the Function App to use an Azure Blob Storage input trigger.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 23

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

You are configuring a new development environment for a Java application.

The environment requires a Virtual Machine Scale Set (VMSS), several storage accounts, and networking components.

The VMSS must not be created until the storage accounts have been successfully created and an associated load balancer and virtual network is configured.

How should you complete the Azure Resource Manager template? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
{
 . . .
 "resources": [
   {
     "apiVersion": "2016-01-01",
     "type": "Microsoft.Storage/storageAccounts",
     "name": "[concat(  [            ▼ ]  (), 'storage', uniqueString(resourceGroup().id))]",
                        copy
                        copyIndex
                        priority
                        dependsOn

     "location": "[resourceGroup().location]",
      . . .
       "sku": {
        "name": "Standard_LRS"
      },
      "kind": "Storage",
      "properties": {},
      " [           ▼ ] ": {
          copy
          copyIndex
          priority
          dependsOn

        "name": "storagesetup",
        "count": 3
      }
   },
   {
     "apiVersion": "2015-06-15",
     "type": "Microsoft.Compute/virtualMachines",
     "name": "[concat('VM', uniqueString(resourceGroup().id))]",
     " [           ▼ ] ": [
         copy
         copyIndex
         priority
         dependsOn

       "[variables('loadBalancerName')]",
       "[variables('virtualNetworkName')]",
       "storagesetup",
     ],
      . . .
   }
 ],
 "outputs": {}
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 24

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

You are developing an Azure Function App by using Visual Studio. The app will process orders input by an Azure Web App. The web app places the order information into Azure Queue Storage.

You need to review the Azure Function App code shown below.

```
public static class OrderProcessor
{
  [FunctionName("ProcessOrders")]
  public static void ProcessOrders([QueueTrigger("incoming-orders")]CloudQueueMessage myQueueItem, [Table("Orders")]ICollector<Order> tableBindings, TraceWriter log)
  {
    log.Info($"Processing Order: {myQueueItem.Id}");
    log.Info($"Queue Insertion Time: {myQueueItem.InsertionTime}");
    log.Info($"Queue Expiration Time: {myQueueItem.ExpirationTime}");
    tableBindings.Add(JsonConvert.DeserializeObject<Order>(myQueueItem.AsString));
  }
  [FunctionName("ProcessOrders-Poison")]
  public static void ProcessFailedOrders([QueueTrigger("incoming-orders-poison")]CloudQueueMessage myQueueItem, TraceWriter log)
  {
    log.Error($"Failed to process order: {myQueueItem.AsString}");
    . . .
  }
}
```

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

	Yes	No
The code will log the time that the order was processed from the queue.	○	○
When the ProcessOrders function fails, the function will retry up to five times for a given order, including the first try.	○	○
When there are multiple orders in the queue, a batch of orders will be retrieved from the queue and the ProcessOrders function will run multiple instances concurrently to process the orders.	○	○
The ProcessOrders function will output the order to an Orders table in Azure Table Storage.	○	○

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 25

Topic #: 2

[All AZ-204 Questions]

DRAG DROP -

You are developing a solution for a hospital to support the following use cases:

☞ The most recent patient status details must be retrieved even if multiple users in different locations have updated the patient record.

☞ Patient health monitoring data retrieved must be the current version or the prior version.

☞ After a patient is discharged and all charges have been assessed, the patient billing record contains the final charges.

You provision a Cosmos DB NoSQL database and set the default consistency level for the database account to Strong. You set the value for Indexing Mode to Consistent.

You need to minimize latency and any impact to the availability of the solution. You must override the default consistency level at the query level to meet the required consistency guarantees for the scenarios.

Which consistency levels should you implement? To answer, drag the appropriate consistency levels to the correct requirements. Each consistency level may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Consistency levels	
Strong	Bounded Staleness
Consistent Prefix	Eventual

Answer Area

Return the most recent patient status.　　　　　　Consistency level

Return health monitoring data that is no less than one version behind.　　　Consistency level

After patient is discharged and all charges are assessed, retrieve the correct billing data with the final charges.　　　Consistency level

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 26

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

You are configuring a development environment for your team. You deploy the latest Visual Studio image from the Azure Marketplace to your Azure subscription.

The development environment requires several software development kits (SDKs) and third-party components to support application development across the organization. You install and customize the deployed virtual machine (VM) for your development team. The customized VM must be saved to allow provisioning of a new team member development environment.

You need to save the customized VM for future provisioning.

Which tools or services should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Action	**Tool or service**
Generalize the VM.	Azure PowerShell / Visual Studio command prompt / Azure Migrate / Azure Backup
Store images.	Azure Blob Storage / Azure Data Lake Storage / Azure File Storage / Azure Table Storage

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 27

Topic #: 2

[All AZ-204 Questions]

You are preparing to deploy a website to an Azure Web App from a GitHub repository. The website includes static content generated by a script.

You plan to use the Azure Web App continuous deployment feature.

You need to run the static generation script before the website starts serving traffic.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Add the path to the static content generation tool to WEBSITE_RUN_FROM_PACKAGE setting in the host.json file.

B. Add a PreBuild target in the websites csproj project file that runs the static content generation script.

C. Create a file named run.cmd in the folder /run that calls a script which generates the static content and deploys the website.

D. Create a file named .deployment in the root of the repository that calls a script which generates the static content and deploys the website.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 28

Topic #: 2

[All AZ-204 Questions]

DRAG DROP -

You are developing an application to use Azure Blob storage. You have configured Azure Blob storage to include change feeds.

A copy of your storage account must be created in another region. Data must be copied from the current storage account to the new storage account directly between the storage servers.

You need to create a copy of the storage account in another region and copy the data.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Use AZCopy to copy the data to the new storage account.

Deploy the template to create a new storage account in the target region.

Export a Resource Manager template.

Create a new template deployment.

Modify the template by changing the storage account name and region.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 29

Topic #: 2

[All AZ-204 Questions]

DRAG DROP -

You are preparing to deploy an Azure virtual machine (VM)-based application.

The VMs that run the application have the following requirements:

☞ When a VM is provisioned the firewall must be automatically configured before it can access Azure resources.

☞ Supporting services must be installed by using an Azure PowerShell script that is stored in Azure Storage.

You need to ensure that the requirements are met.

Which features should you use? To answer, drag the appropriate features to the correct requirements. Each feature may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Features

Run Command

Serial console

Hybrid Runbook Worker

Custom Script Extension

Answer Area

Requirement	Feature
Firewall configuration	
Supporting services script	

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 30

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

A company is developing a Node.js web app. The web app code is hosted in a GitHub repository located at https://github.com/TailSpinToys/webapp.

The web app must be reviewed before it is moved to production. You must deploy the initial code release to a deployment slot named review.

You need to create the web app and deploy the code.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
$gitrepo="https://github.com/TailSpinToys/webapp"
$webappname="TailSpinToysWeb"
$location="WestUS2"
```

▼	-Name myResourceGroup -Location $location
New-AzWebAppSlot	
New-AzWebApp	
New-AzAppServicePlan	
New-AzResourceGroup	

▼	-Name $webappname -Location $location -ResourceGroupName myResourceGroup -Tier Standard
New-AzWebAppSlot	
New-AzWebApp	
New-AzAppServicePlan	
New-AzResourceGroup	

▼	-Name $webappname -Location $location -AppServicePlan $webappname -ResourceGroupName myResourceGroup
New-AzWebAppSlot	
New-AzWebApp	
New-AzAppServicePlan	
New-AzResourceGroup	

▼	-Name $webappname -ResourceGroupName myResourceGroup -Slot review
New-AzWebAppSlot	
New-AzWebApp	
New-AzAppServicePlan	
New-AzResourceGroup	

```
$PropertiesObject = @{repoUrl = "$gitrepo";branch = "master";}
Set-AzResource -PropertyObject $PropertiesObject -ResourceGroupName myResourceGroup -ResourceType
Microsoft.Web/sites/slots/sourcecontrols -ResourceName $webappname/review/web -ApiVersion 2015-08-01 -Force
Switch-AzWebAppSlot -Name $webappname -ResourceGroupName myResourceGroup
-SourceSlotName review -DestinationSlotName production
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 31

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

You are developing an application that needs access to an Azure virtual machine (VM).

The access lifecycle for the application must be associated with the VM service instance.

You need to enable managed identity for the VM.

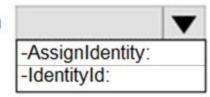How should you complete the PowerShell segment? To answer, select the appropriate options in the answer area.

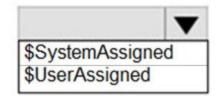NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

$vm = Get-AzVM -ResourceGroupName "ContosoRG" -Name "ContosoVM"

Update-AzVM -ResourceGroupName "ContosoRG" -VM $vm

▼
-AssignIdentity:
-IdentityId:

▼
$SystemAssigned
$UserAssigned

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 32

Topic #: 2

[All AZ-204 Questions]

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

You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure
Storage Blob storage. The storage account type is General-purpose V2.

When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the
image must start in less than one minute.

You need to design the process that starts the photo processing.

Solution: Create an Azure Function app that uses the Consumption hosting model and that is triggered from the blob upload.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 33

Topic #: 2

[All AZ-204 Questions]

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

You develop and deploy an Azure App Service API app to a Windows-hosted deployment slot named Development. You create additional deployment slots named Testing and Production. You enable auto swap on the Production deployment slot.

You need to ensure that scripts run and resources are available before a swap operation occurs.

Solution: Update the app with a method named statuscheck to run the scripts. Update the app settings for the app. Set the WEBSITE_SWAP_WARMUP_PING_PATH and WEBSITE_SWAP_WARMUP_PING_STATUSES with a path to the new method and appropriate response codes.

Does the solution meet the goal?

    A. No

    B. Yes

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 34

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

You create the following PowerShell script:

```
$source = New-AzScheduledQueryRuleSource -Query 'Heartbeat | where TimeGenerated > ago(1h)' -DataSourceId "contoso"
$schedule = New-AzScheduledQueryRuleSchedule -FrequencyInMinutes 60 -TimeWindowInMinutes 60
$triggerCondition = New-AzScheduledQueryRuleTriggerCondition -ThresholdOperator "LessThan" -Threshold 5
$aznsActionGroup = New-AzScheduledQueryRuleAznsActionGroup -ActionGroup "contoso" -EmailSubject "Custom email subject"
  -CustomWebhookPayload "{ '"alert'":'"#alertrulename'", '"IncludeSearchResults'"':true }"
$alertingAction = New-AzScheduledQueryRuleAlertingAction -AznsAction $aznsActionGroup -Severity "3" -Trigger $triggerCondition
New-AzScheduledQueryRule -ResourceGroupName "contoso" -Location "eastus" -Action $alertingAction -Enabled $true
  -Description "Alert description" -Schedule $schedule -Source $source -Name "Alert Name"
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A log alert is created that sends an email when the CPU percentage is above 60 percent for five minutes.	○	○
A log alert is created that sends an email when the number of virtual machine heartbeats in the past hour is less than five.	○	○
The log alert is scheduled to run every two hours.	○	○

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 35

Topic #: 2

DRAG DROP -

You are developing an Azure Function app.

The app must meet the following requirements:

☞ Enable developers to write the functions by using the Rust language.

☞ Declaratively connect to an Azure Blob Storage account.

You need to implement the app.

Which Azure Function app features should you use? To answer, drag the appropriate features to the correct requirements. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Features

Custom handler

Extension bundle

Trigger

Runtime

Policy

Hosting plan

Answer Area

Requirement	Feature
Enable developers to write the functions by using the Rust language.	Feature
Declaratively connect to an Azure Blob Storage account.	Feature

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 36

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

You are developing an ASP.NET Core web application. You plan to deploy the application to Azure Web App for Containers.

The application needs to store runtime diagnostic data that must be persisted across application restarts. You have the following code:
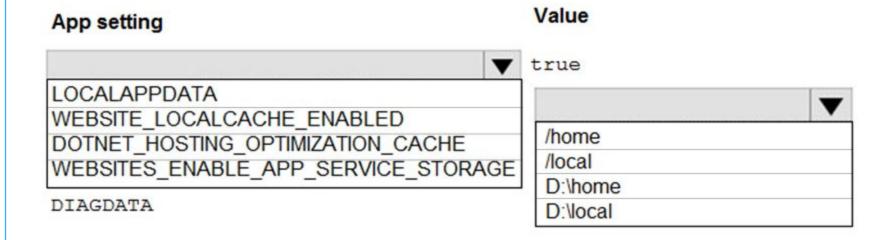
```
public void SaveDiagData(string data)
{
    var path = Environment.GetEnvironmentVariable("DIAGDATA");
    File.WriteAllText(Path.Combine(path, "data"), data);
}
```

You need to configure the application settings so that diagnostic data is stored as required.

How should you configure the web app's settings? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

App setting

LOCALAPPDATA
WEBSITE_LOCALCACHE_ENABLED
DOTNET_HOSTING_OPTIMIZATION_CACHE
WEBSITES_ENABLE_APP_SERVICE_STORAGE

DIAGDATA

Value

true

/home
/local
D:\home
D:\local

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 37

Topic #: 2

[All AZ-204 Questions]

You are developing a web app that is protected by Azure Web Application Firewall (WAF). All traffic to the web app is routed through an Azure Application Gateway instance that is used by multiple web apps. The web app address is contoso.azurewebsites.net.

All traffic must be secured with SSL. The Azure Application Gateway instance is used by multiple web apps.

You need to configure the Azure Application Gateway for the web app.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. In the Azure Application Gateway's HTTP setting, enable the Use for App service setting.

    B. Convert the web app to run in an Azure App service environment (ASE).

    C. Add an authentication certificate for contoso.azurewebsites.net to the Azure Application Gateway.

    D. In the Azure Application Gateway's HTTP setting, set the value of the Override backend path option to contoso22.azurewebsites.net.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 38

Topic #: 2

[All AZ-204 Questions]

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

You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage Blob storage. The storage account type is General-purpose V2.

When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute.

You need to design the process that starts the photo processing.

Solution: Use the Azure Blob Storage change feed to trigger photo processing.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 39

Topic #: 2

[All AZ-204 Questions]

You are developing a web application that runs as an Azure Web App. The web application stores data in Azure SQL Database and stores files in an Azure Storage account. The web application makes HTTP requests to external services as part of normal operations.

The web application is instrumented with Application Insights. The external services are OpenTelemetry compliant.

You need to ensure that the customer ID of the signed in user is associated with all operations throughout the overall system.

What should you do?

A. Add the customer ID for the signed in user to the CorrelationContext in the web application

B. On the current SpanContext, set the TraceId to the customer ID for the signed in user

C. Set the header Ocp-Apim-Trace to the customer ID for the signed in user

D. Create a new SpanContext with the TraceFlags value set to the customer ID for the signed in user

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 40

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

You are developing an Azure Function App. You develop code by using a language that is not supported by the Azure Function App host. The code language supports HTTP primitives.

You must deploy the code to a production Azure Function App environment.

You need to configure the app for deployment.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Configuration parameter	Configuration value
Publish	▼
	Code
	Docker Container
Runtime stack	▼
	Node.js
	Python
	PowerShell Core
	Custom Handler
Version	▼
	14 LTS
	7.0
	custom

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 41

Topic #: 2

[All AZ-204 Questions]

DRAG DROP -

You provision virtual machines (VMs) as development environments.

One VM does not start. The VM is stuck in a Windows update process. You attach the OS disk for the affected VM to a recovery VM.

You need to correct the issue.

In which order should you perform the actions? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Answer Area

Run the following command at an elevated command prompt:

```
dism /image:\ /get=packages > c:\temp\Patch.txt
```

Run the following command at an elevated command prompt:

```
dism /Image:<Attached OS disks>:\ /Remove
Package /PackageName:<package name to delete>
```

Detach the OS disk and recreate the VM

Open C:\temp\Patch.txt file and locate the update that is in a pending state

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 42

Topic #: 2

[All AZ-204 Questions]

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

You develop an HTTP triggered Azure Function app to process Azure Storage blob data. The app is triggered using an output binding on the blob.

The app continues to time out after four minutes. The app must process the blob data.

You need to ensure the app does not time out and processes the blob data.

Solution: Update the functionTimeout property of the host.json project file to 10 minutes.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 43

Topic #: 2

[All AZ-204 Questions]

HOTSPOT -

You are developing an Azure Durable Function based application that processes a list of input values. The application is monitored using a console application that retrieves JSON data from an Azure Function diagnostic endpoint.

During processing a single instance of invalid input does not cause the function to fail. Invalid input must be available to the monitoring application.

You need to implement the Azure Durable Function and the monitoring console application.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
[FunctionName("App")]
public static async Task<List<string>> RunOrchestrator(
    [OrchestrationTrigger] IDurableOrchestrationContext context) {
    EntityId[] input = . . .
    int errIndex =. . .
        [                                    ▼ ] ;
```

| context.SetOutput(input[errIndex]) |
| context.SetCustomStatus(input[errIndex]) |
| context.SignalEntity(input[errIndex], "error") |
| await context.CallEntityAsync(input[errIndex], "error") |

```
}
    using (var client = new HttpClient())
    {
        while (true)
        {
            var response = await client.GetAsync(". . .");
            response.EnsureSuccessStatusCode();
            var json = await response.Content.ReadAsStringAsync();
            dynamic result = JsonConvert.DeserializeObject(json);
            if (result.runtimeStatus == "        [          ▼ ]  ")
```

| Failed |
| Awaited |
| Listening |
| Completed |

```
            {
                return result.   [        ▼ ] ;
            }
        }
    }
}
```

| input |
| output |
| runtimeStatus |
| customStatus |

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 44

Topic #: 2

[All AZ-204 Questions]

You are developing an Azure Durable Function to manage an online ordering process.

The process must call an external API to gather product discount information.

You need to implement the Azure Durable Function.

Which Azure Durable Function types should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Orchestrator

B. Entity

C. Client

D. Activity

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 45

Topic #: 2

[All AZ-204 Questions]

DRAG DROP -

You are authoring a set of nested Azure Resource Manager templates to deploy multiple Azure resources.

The templates must be tested before deployment and must follow recommended practices.

You need to validate and test the templates before deployment.

Which tools should you use? To answer, drag the appropriate tools to the correct requirements. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Tools		Answer Area
Parameter file		**Requirement** **Tool**
Template function		Determine whether the templates follow recommended practices. `Tool`
Azure Resource Manager test toolkit		
User-defined function		Test and validate changes that templates will make to the environment. `Tool`
What-if operation		
Azure Deployment Manager		

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 46

Topic #: 2

[All AZ-204 Questions]

You develop Azure Durable Functions to manage vehicle loans.

The loan process includes multiple actions that must be run in a specified order. One of the actions includes a customer credit check process, which may require multiple days to process.

You need to implement Azure Durable Functions for the loan process.

Which Azure Durable Functions type should you use?

    A. orchestrator

    B. client

    C. entity

    D. activity

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 47

Topic #: 2

[All AZ-204 Questions]

HOTSPOT
-

You are developing an Azure Function app.

All functions in the app meet the following requirements:

• Run until either a successful run or until 10 run attempts occur.
• Ensure that there are at least 20 seconds between attempts for up to 15 minutes.

You need to configure the host.json file.

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

NOTE: Each correct selection is worth one point.

Answer Area

```
{
    "  [ ▼ ]  ": {
          retry
          healthMonitor
          singleton

        "strategy": "  [ ▼ ]  ",
                  exponentialBackoff
                  counterThreshold
                  fixedDelay

        "  [ ▼ ]  ": 10,
              maxRetryCount
              healthCheckInterval
              healthCheckThreshold

        "minimumInterval": "00:00:20",
        "maximumInterval": "00:15:00"
    }
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 48

Topic #: 2

[All AZ-204 Questions]

You develop Azure Web Apps for a commercial diving company. Regulations require that all divers fill out a health questionnaire every 15 days after each diving job starts.

You need to configure the Azure Web Apps so that the instance count scales up when divers are filling out the questionnaire and scales down after they are complete.

You need to configure autoscaling.

What are two possible auto scaling configurations to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Recurrence profile

- B. CPU usage-based autoscaling

- C. Fixed date profile

- D. Predictive autoscaling

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 49

Topic #: 2

[All AZ-204 Questions]

HOTSPOT
-

You are developing an online game that allows players to vote for their favorite photo that illustrates a word. The game is built by using Azure Functions and uses durable entities to track the vote count.

The voting window is 30 seconds. You must minimize latency.

You need to implement the Azure Function for voting.

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

Answer Area

```
[FunctionName("Vote")]
public static async Task<HttpResponseMessage> Run(
    [HttpTrigger("POST", Route = "pic/{id}")] HttpRequestMessage req,
    ┌──────────────────────────────────▼─┐   c,
    │ CallEntityAsync                     │
    │ SignalEntityAsync                   │
    │ [DurableClient] IDurableEntityClient│
    │ [DurableClient] IDurableOrchestrationClient │
    └─────────────────────────────────────┘
    string id)
{
    var eid = new EntityId("pic", id);

    await c. ┌────────────────────────────▼─┐ (eid, "vote");
             │ CallEntityAsync              │
             │ SignalEntityAsync            │
             │ [DurableClient] IDurableEntityClient │
             │ [DurableClient] IDurableOrchestrationClient │
             └──────────────────────────────┘

    return req.CreateResponse(HttpStatusCode.OK);
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 50

Topic #: 2

[All AZ-204 Questions]

HOTSPOT

-

You have an App Service plan named asp1 based on the Free pricing tier.

You plan to use asp1 to implement an Azure Function app with a queue trigger. Your solution must minimize cost.

You need to identify the configuration options that will meet the requirements.

Which value should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Configuration option	Value
Azure App Service feature	▼
	Always On
	Managed identity
	Continuous deployment
Azure App Service pricing tier	▼
	Basic
	Shared
	Standard

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 51

Topic #: 2

[All AZ-204 Questions]

DRAG DROP

-

You are developing several microservices to run on Azure Container Apps.

The microservices must allow HTTPS access by using a custom domain.

You need to configure the custom domain in Azure Container Apps.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Validate the custom domain name.

Enable ingress.

Bind the certificate.

Add DNS records to the domain provider.

Add the custom domain name.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 52

Topic #: 2

[All AZ-204 Questions]

You are developing several microservices to run on Azure Container Apps. External HTTP ingress traffic has been enabled for the microservices.

The microservices must be deployed to the same virtual network and write logs to the same Log Analytics workspace.

You need to deploy the microservices.

What should you do?

- A. Enable single revision mode.

- B. Use a separate environment for each container.

- C. Use a private container registry image and single image for all containers.

- D. Use a single environment for all containers.

- E. Enable multiple revision mode.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 53

Topic #: 2

[All AZ-204 Questions]

HOTSPOT

-

You are developing several microservices to run on Azure Container Apps. External HTTP ingress traffic has been enabled for the microservices.

A deployed microservice must be updated to allow users to test new features. You have the following requirements:

• Enable and maintain a single URL for the updated microservice to provide to test users.
• Update the microservice that corresponds to the current microservice version.

You need to configure Azure Container Apps.

Which features should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Feature
Single URL for test users	▼
Current microservice activation	

Revision label
Revision mode
Container image
Container registry

Current microservice activation	▼

Revision label
Revision mode
Container image
Container registry

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 54

Topic #: 2

[All AZ-204 Questions]

HOTSPOT

-

You plan to develop an Azure Functions app with an HTTP trigger.

The app must support the following requirements:

• Event-driven scaling
• Ability to use custom Linux images for function execution

You need to identify the app's hosting plan and the maximum amount of time that the app function can take to respond to incoming requests.

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

NOTE: Each correct selection is worth one point.

Answer Area

Configuration setting	Value
Hosting plan	▼
	Consumption
	Dedicated
	Premium
Timeout value	▼
	230 seconds
	10 minutes
	unlimited

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 55

Topic #: 2

[All AZ-204 Questions]

HOTSPOT

-

You develop a Python application for image rendering. The application uses GPU resources to optimize rendering processes.

You have the following requirements:

• The application must be deployed to a Linux container.

• The container must be stopped when the image rendering is complete.

• The solution must minimize cost.

You need to deploy the application to Azure.

Answer Area

Environment configuration	Configuration value
Compute target	⌄
	Azure Container Instances
	Azure Kubernetes Service
	Azure Container Apps
	Azure App Service
Container termination	⌄
	Restart policy
	Environment variable
	System-assigned Managed identity
	User-assigned Managed identity

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 56

Topic #: 2

[All AZ-204 Questions]

HOTSPOT

-

You plan to develop an Azure Functions app with an Azure Blob Storage trigger. The app will be used infrequently, with a limited duration of individual executions.
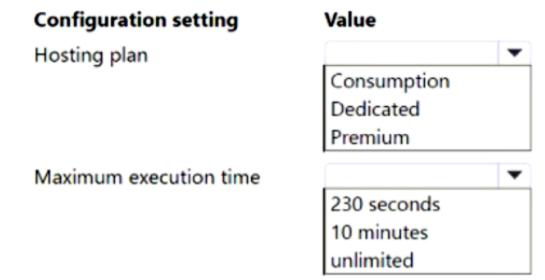
The app must meet the following requirements:

• Event-driven scaling
• Support for deployment slots
• Minimize costs

You need to identify the hosting plan and the maximum duration when executing the app.

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

NOTE: Each correct selection is worth one point.

Answer Area

Configuration setting	Value
Hosting plan	Consumption / Dedicated / Premium
Maximum execution time	230 seconds / 10 minutes / unlimited

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 57

Topic #: 2

[All AZ-204 Questions]

You are developing an ASP.NET Core app hosted in Azure App Service.

The app requires custom claims to be returned from Microsoft Entra ID for user authorization. The claims must be removed when the app registration is removed.

You need to include the custom claims in the user access token.

What should you do?

A. Require the https://graph.microsoft.com/.default scope during authentication.

B. Configure the app to use the OAuth 2.0 authorization code flow.

C. Implement custom middleware to retrieve role information from Azure AD.

D. Add the groups to the groupMembershipClaims attribute in the app manifest.

E. Add the roles to the appRoles attribute in the app manifest.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 58

Topic #: 2

[All AZ-204 Questions]

You are developing a microservice to run on Azure Container Apps for a company. External HTTP ingress traffic has been enabled.

The company requires that updates to the microservice must not cause downtime.

You need to deploy an update to the microservices.

What should you do?

- A. Enable single revision mode.

- B. Use multiple environments for each container.

- C. Use a private container registry and single image for all containers.

- D. Use a single environment for all containers.

- E. Enable multiple revision mode.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 59

Topic #: 2

[All AZ-204 Questions]

HOTSPOT

-

A company uses Azure Container Apps. A container app named App1 resides in a resource group named RG1.

The company requires testing of updates to App1.

You enable multiple revision modes on App1.

You need to ensure traffic is routed to each revision of App1.

How should you complete the code segment?

NOTE: Each correct selection is worth one point.

Answer Area

```
az  [ container     ▼ ] [ app        ▼ ] traffic set \
    [ containerapp  ]   [ connection ]
    [ network       ]   [ ingress    ]
    [ resource      ]   [ revision   ]

    --name App1 \
    --resource-group RG1 \
    --revision-weight <REVISION_1>=80 <REVISION_2>=20
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 60

Topic #: 2

[All AZ-204 Questions]

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

You deploy an Azure Container Apps app and disable ingress on the container app.

Users report that they are unable to access the container app. You investigate and observe that the app has scaled to 0 instances.

You need to resolve the issue with the container app.

Solution: Enable ingress, create an HTTP scale rule, and apply the rule to the container app.

Does the solution meet the goal?

    A. Yes

    B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 61

Topic #: 2

[All AZ-204 Questions]

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

You deploy an Azure Container Apps app and disable ingress on the container app.

Users report that they are unable to access the container app. You investigate and observe that the app has scaled to 0 instances.

You need to resolve the issue with the container app.

Solution: Enable ingress, create a custom scale rule, and apply the rule to the container app.

Does the solution meet the goal?

   A. Yes

   B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 62

Topic #: 2

[All AZ-204 Questions]

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

You deploy an Azure Container Apps app and disable ingress on the container app.

Users report that they are unable to access the container app. You investigate and observe that the app has scaled to 0 instances.

You need to resolve the issue with the container app.

Solution: Enable ingress and configure the minimum replicas to 1 for the container app.

Does the solution meet the goal?

    A. Yes

    B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 63
Topic #: 2
[All AZ-204 Questions]

HOTSPOT
-

Case study
-

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study
-

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

Background
-

Munson's Pickles and Preserves Farm is an agricultural cooperative corporation based in Washington, US, with farms located across the United States. The company supports agricultural production resources by distributing seeds fertilizers, chemicals, fuel, and farm machinery to the farms.

Current Environment
-

The company is migrating all applications from an on-premises datacenter to Microsoft Azure. Applications support distributors, farmers, and internal company staff.

Corporate website
-

• The company hosts a public website located at http://www.munsonspicklesandpreservesfarm.com. The site supports farmers and distributors who request agricultural production resources.

Farms
-

• The company created a new customer tenant in the Microsoft Entra admin center to support authentication and authorization for applications.

Distributors
-

• Distributors integrate their applications with data that is accessible by using APIs hosted at http://www.munsonspicklesandpreservesfarm.com/api to receive and update resource data.

Requirements
-

The application components must meet the following requirements:

Corporate website
-

• The site must be migrated to Azure App Service.
• Costs must be minimized when hosting in Azure.
• Applications must automatically scale independent of the compute resources.
• All code changes must be validated by internal staff before release to production.
• File transfer speeds must improve, and webpage-load performance must increase.
• All site settings must be centrally stored, secured without using secrets, and encrypted at rest and in transit.
• A queue-based load leveling pattern must be implemented by using Azure Service Bus queues to support high volumes of website agricultural production resource requests.

Farms
-

• Farmers must authenticate to applications by using Microsoft Entra ID.

Distributors
-

• The company must track a custom telemetry value with each API call and monitor performance of all APIs.
• API telemetry values must be charted to evaluate variations and trends for resource data.

Internal staff
-

• App and API updates must be validated before release to production.
• Staff must be able to select a link to direct them back to the production app when validating an app or API update.
• Staff profile photos and email must be displayed on the website once they authenticate to applications by using their Microsoft Entra ID.

Security
-

• All web communications must be secured by using TLS/HTTPS.
• Web content must be restricted by country/region to support corporate compliance standards.
• The principle of least privilege must be applied when providing any user rights or process access rights.
• Managed identities for Azure resources must be used to authenticate services that support Microsoft Entra ID authentication.

Issues
-

Corporate website
-

• Farmers report HTTP 503 errors at the same time as internal staff report that CPU and memory usage are high.
• Distributors report HTTP 502 errors at the same time as internal staff report that average response times and networking traffic are high.
• Internal staff report webpage load sizes are large and take a long time to load.
• Developers receive authentication errors to Service Bus when they debug locally.

Distributors
-

• Many API telemetry values are sent in a short period of time. Telemetry traffic, data costs, and storage costs must be reduced while preserving a statistically correct analysis of the data points sent by the APIs.

You need to configure App Service to support the corporate website migration.

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

NOTE: Each correct selection is worth one point.

Azure App Service configuration

Configuration setting	Configuration value
App Service plan	▼
	Basic
	Standard
	Premium
	Isolated
Code change validation feature	▼
	Deployment slot
	Custom container
	Domain certificate
	Deployment credentials

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 1

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

You are developing a solution that uses the Azure Storage Client library for .NET. You have the following code: (Line numbers are included for reference only.)

```
01 CloudBlockBlob src = null;
02 try
03 {
04    src = container.ListBlobs().OfType<CloudBlockBlob>().FirstOrDefault();
05    var id = await src.AcquireLeaseAsync(null);
06    var dst = container.GetBlockBlobReference(src.Name);
07    string cpid = await dst.StartCopyAsync(src);
08    await dst.FetchAttributeAsync();
09    return id;
10 }
11 catch (Exception e)
12 {
13    throw;
14 }
15 finally
16 {
17    if (src != null)
18    await src.FetchAttributesAsync();
19    if (src.Properties.LeaseState != LeaseState.Available)
20    await src.BreakLeaseAsync(new TimeSpan(0));
21 }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statement	Yes	No
The code creates an infinite lease	○	○
The code at line 06 always creates a new blob	○	○
The finally block releases the lease	○	○

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 2

Topic #: 3

[All AZ-204 Questions]

You are building a website that uses Azure Blob storage for data storage. You configure Azure Blob storage lifecycle to move all blobs to the archive tier after 30 days.

Customers have requested a service-level agreement (SLA) for viewing data older than 30 days.

You need to document the minimum SLA for data recovery.

Which SLA should you use?

    A. at least two days

    B. between one and 15 hours

    C. at least one day

    D. between zero and 60 minutes

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 3

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

You are developing a ticket reservation system for an airline.

The storage solution for the application must meet the following requirements:

➭ Ensure at least 99.99% availability and provide low latency.

➭ Accept reservations even when localized network outages or other unforeseen failures occur.

➭ Process reservations in the exact sequence as reservations are submitted to minimize overbooking or selling the same seat to multiple travelers.

➭ Allow simultaneous and out-of-order reservations with a maximum five-second tolerance window.

You provision a resource group named airlineResourceGroup in the Azure South-Central US region.
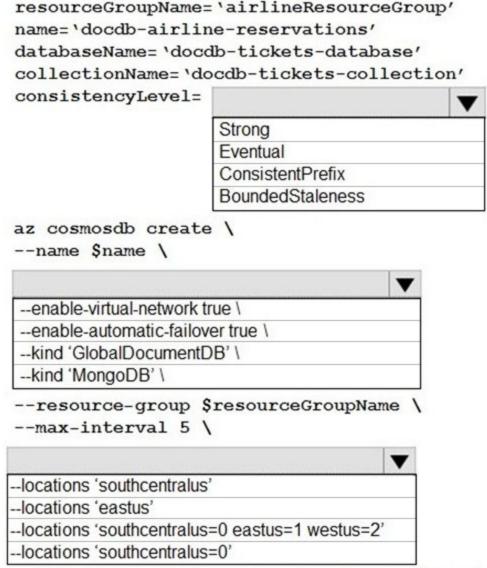
You need to provision a SQL API Cosmos DB account to support the app.

How should you complete the Azure CLI commands? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
resourceGroupName='airlineResourceGroup'
name='docdb-airline-reservations'
databaseName='docdb-tickets-database'
collectionName='docdb-tickets-collection'
consistencyLevel= [                    ▼ ]
```
Strong
Eventual
ConsistentPrefix
BoundedStaleness

```
az cosmosdb create \
--name $name \
```
[▼]
--enable-virtual-network true \
--enable-automatic-failover true \
--kind 'GlobalDocumentDB' \
--kind 'MongoDB' \

```
--resource-group $resourceGroupName \
--max-interval 5 \
```
[▼]
--locations 'southcentralus'
--locations 'eastus'
--locations 'southcentralus=0 eastus=1 westus=2'
--locations 'southcentralus=0'

```
--default-consistency-level = $consistencylevel
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 4

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

You are preparing to deploy a Python website to an Azure Web App using a container. The solution will use multiple containers in the same container group. The Dockerfile that builds the container is as follows:

```
FROM python:3
ADD website.py
CMD [ "python", "./website.py"]
```

You build a container by using the following command. The Azure Container Registry instance named images is a private registry.

```
docker build -t images.azurecr.io/website:v1.0.0
```

The user name and password for the registry is admin.

The Web App must always run the same version of the website regardless of future builds.

You need to create an Azure Web App to run the website.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
az configure --defaults web=website
az configure --defaults group=website
az appservice plan create --name websitePlan  [▼]
```

| --sku SHARED |
| --tags container |
| --sku B1 --hyper-v |
| --sku B1 --is-linux |

```
az webapp create --plan websitePlan  [▼]
```

| --deployment-source-url images.azurecr.io/website:v1.0.0 |
| --deployment-source-url images.azurecr.io/website:latest |
| --deployment-container-image-name images.azurecr.io/website:v1.0.0 |
| --deployment-container-image-name images.azurecr.io/website:latest |

```
az webapp config  [▼]
```

| set --python-version 2.7 --generic-configurations user=admin password=admin |
| set --python-version 3.6 --generic-configurations user=admin password=admin |
| container set --docker-registry-server-url https://images.azurecr.io --u admin --p admin |
| container set --docker-registry-server-url https://images.azurecr.io/website -u admin -p admin |

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 5

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

You are developing a back-end Azure App Service that scales based on the number of messages contained in a Service Bus queue.

A rule already exists to scale up the App Service when the average queue length of unprocessed and valid queue messages is greater than 1000.

You need to add a new rule that will continuously scale down the App Service as long as the scale up condition is not met.

How should you configure the Scale rule? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Scale rule   ✕

Metric source

▼

Storage queue
Service Bus queue
Current resource
Storage queue (classic)

Resource type

Service Bus Namespaces	⌄

Resource

MessageQueue1103	⌄

* Queues

itemqueue	⌄

Criteria

* Metric name

▼

Message Count
Active Message Count

1 minute time grain

* Time grain statistic ❶

▼

Total
Maximum
Average
Count

* Operator

▼

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 6

Topic #: 3

[All AZ-204 Questions]

DRAG DROP -

You have an application that uses Azure Blob storage.

You need to update the metadata of the blobs.

Which three methods should you use to develop the solution? To answer, move the appropriate methods from the list of methods to the answer area and arrange them in the correct order.

Select and Place:

Methods

Metadata.Add

SetMetadataAsync

FetchAttributesAsync

UploadFileStream

SetPropertiesAsync

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 7

Topic #: 3

[All AZ-204 Questions]

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

You are developing an Azure solution to collect point-of-sale (POS) device data from 2,000 stores located throughout the world. A single device can produce 2 megabytes (MB) of data every 24 hours. Each store location has one to five devices that send data.

You must store the device data in Azure Blob storage. Device data must be correlated based on a device identifier. Additional stores are expected to open in the future.

You need to implement a solution to receive the device data.

Solution: Provision an Azure Event Grid. Configure the machine identifier as the partition key and enable capture.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 8

Topic #: 3

[All AZ-204 Questions]

You develop Azure solutions.

A .NET application needs to receive a message each time an Azure virtual machine finishes processing data. The messages must NOT persist after being processed by the receiving application.

You need to implement the .NET object that will receive the messages.

Which object should you use?

A. QueueClient

B. SubscriptionClient

C. TopicClient

D. CloudQueueClient

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 9

Topic #: 3

[All AZ-204 Questions]

DRAG DROP -

You are maintaining an existing application that uses an Azure Blob GPv1 Premium storage account. Data older than three months is rarely used.

Data newer than three months must be available immediately. Data older than a year must be saved but does not need to be available immediately.

You need to configure the account to support a lifecycle management rule that moves blob data to archive storage for data not modified in the last year.

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.

Select and Place:

Actions

Upgrade the storage account to GPv2

Create a new GPv2 Standard account and set its default access tier level to **cool**

Change the storage account access tier from **hot** to **cool**
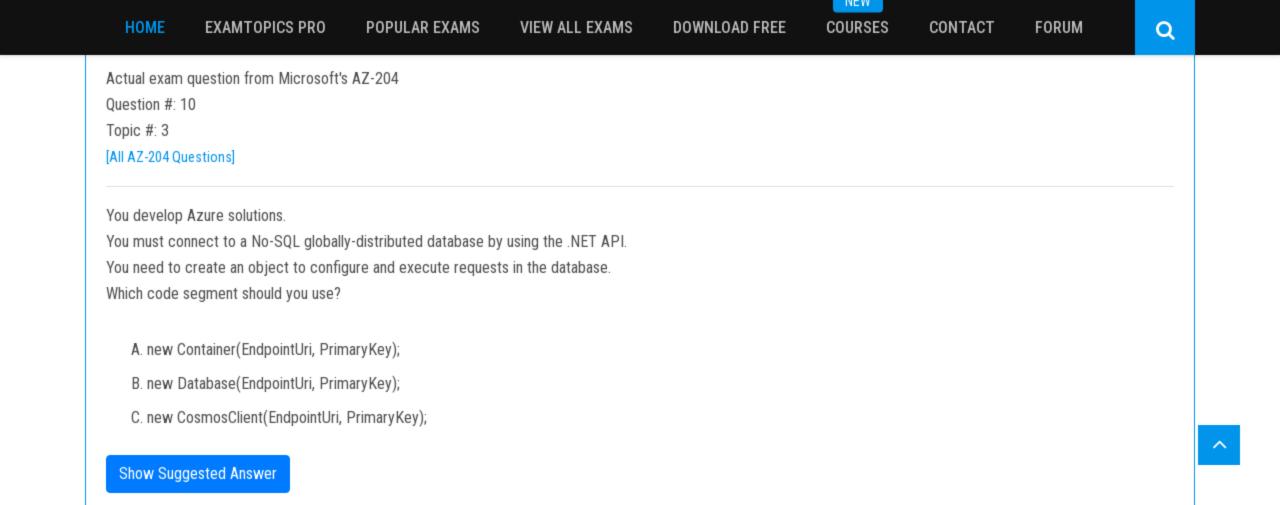
Copy the data to be archived to a Standard GPv2 storage account and then delete the data from the original storage account

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 10

Topic #: 3

[All AZ-204 Questions]

You develop Azure solutions.

You must connect to a No-SQL globally-distributed database by using the .NET API.

You need to create an object to configure and execute requests in the database.

Which code segment should you use?

A. new Container(EndpointUri, PrimaryKey);

B. new Database(EndpointUri, PrimaryKey);

C. new CosmosClient(EndpointUri, PrimaryKey);

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 11

Topic #: 3

[All AZ-204 Questions]

You have an existing Azure storage account that stores large volumes of data across multiple containers.

You need to copy all data from the existing storage account to a new storage account. The copy process must meet the following requirements:

☞ Automate data movement.

☞ Minimize user input required to perform the operation.

☞ Ensure that the data movement process is recoverable.

What should you use?

    A. AzCopy

    B. Azure Storage Explorer

    C. Azure portal

    D. .NET Storage Client Library

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 12

Topic #: 3

[All AZ-204 Questions]

DRAG DROP -

You are developing a web service that will run on Azure virtual machines that use Azure Storage. You configure all virtual machines to use managed identities.

You have the following requirements:

☞ Secret-based authentication mechanisms are not permitted for accessing an Azure Storage account.

☞ Must use only Azure Instance Metadata Service endpoints.

You need to write code to retrieve an access token to access Azure Storage. To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Code segment 1

```
http://localhost:50342/oauth2/token
```

```
http://169.254.169.254:50432/oauth2/token
```

```
http://localhost/metadata/identity/oauth2/token
```

```
http://169.254.169.254/metadata/identity/oauth2/token
```

Code segment 2

```
XDocument.Parse(payload);
```

```
new MultipartContent(payload);
```

```
new NetworkCredential("Azure", payload);
```

```
JsonConvert.DeserializeObject<Dictionary<string, string>>(payload);
```

Answer Area

```
var url = "          Code segment 1          " ;

var queryString = "...";
var client = new HttpClient();
var response = await client.GetAsync(url + queryString);
var payload = await response.Content.ReadAsStringAsync();

return          Code segment 2
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 13

Topic #: 3

[All AZ-204 Questions]

DRAG DROP -

You are developing a new page for a website that uses Azure Cosmos DB for data storage. The feature uses documents that have the following format:

```
{
     "name": "John",
     "city" : "Seattle"
}
```

You must display data for the new page in a specific order. You create the following query for the page:

```
SELECT*
FROM People p
ORDER BY p.name, p.city DESC
```

You need to configure a Cosmos DB policy to support the query.

How should you configure the policy? To answer, drag the appropriate JSON segments to the correct locations. Each JSON segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

JSON segments

orderBy

sortOrder

ascending

descending

compositeIndexes

Answer Area

```
{
     "automatic": true,
     "ngMode": "Consistent",
     "includedPaths": [
         {
             "path": "/*"
         }
     ], "excludedPaths": [],
     "[_____]": [
         [
             {
                 "path": "/name", "order": "descending"
             },
             {
                 "path": "/city", "order": "[_____]"
             }
         ]
     ]
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 14

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

You are building a traffic monitoring system that monitors traffic along six highways. The system produces time series analysis-based reports for each highway.

Data from traffic sensors are stored in Azure Event Hub.

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

Data throughput must be maximized. Latency must be minimized.

You need to implement the Azure Event Hub.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Setting	Value
Number of partitions	▼
	3
	4
	6
	12
Partition Key	▼
	Highway
	Department
	Timestamp
	VM name

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 15

Topic #: 3

[All AZ-204 Questions]

DRAG DROP -

You are developing a microservices solution. You plan to deploy the solution to a multinode Azure Kubernetes Service (AKS) cluster.

You need to deploy a solution that includes the following features:

☞ reverse proxy capabilities

☞ configurable traffic routing

☞ TLS termination with a custom certificate

Which components should you use? To answer, drag the appropriate components to the correct requirements. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Components	Action	Component
Helm		
Draft	Deploy solution.	_____
Brigade	View cluster and external IP addressing.	_____
KubeCtl	Implement a single, public IP endpoint that is routed to multiple microservices.	_____
Ingress Controller		
CoreDNS		
Virtual Kubelet		

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 16

Topic #: 3

[All AZ-204 Questions]

DRAG DROP -

You are implementing an order processing system. A point of sale application publishes orders to topics in an Azure Service Bus queue. The Label property for the topic includes the following data:

Property	Description
ShipLocation	the country/region where the order will be shipped
CorrelationId	a priority value for the order
Quantity	a user-defined field that stores the quantity of items in an order
AuditedAt	a user-defined field that records the date an order is audited

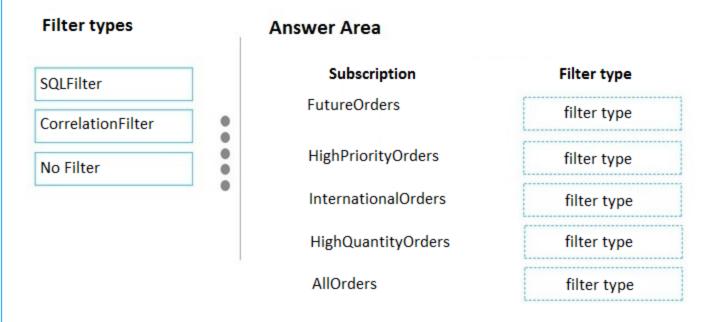The system has the following requirements for subscriptions:

Subscription type	Comments
FutureOrders	This subscription is reserved for future use and must not receive any orders
HighPriorityOrders	Handle all high priority orders and international orders
InternationalOrders	Handle orders where the country/region is not United States
HighQuantityOrders	Handle only orders with quantities greater than 100 units
AllOrders	This subscription is used for auditing purposes. This subscription must receive every single order. AllOrders has an Action defined that updates the AuditedAt property to include the date and time it was received by the subscription.

You need to implement filtering and maximize throughput while evaluating filters.

Which filter types should you implement? To answer, drag the appropriate filter types to the correct subscriptions. Each filter type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Filter types

SQLFilter

CorrelationFilter

No Filter

Answer Area

Subscription	Filter type
FutureOrders	filter type
HighPriorityOrders	filter type
InternationalOrders	filter type
HighQuantityOrders	filter type
AllOrders	filter type

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 17

Topic #: 3

[All AZ-204 Questions]

DRAG DROP -

Your company has several websites that use a company logo image. You use Azure Content Delivery Network (CDN) to store the static image.

You need to determine the correct process of how the CDN and the Point of Presence (POP) server will distribute the image and list the items in the correct order.

In which order do the actions occur? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

If no edge servers in the POP have the image in cache, the POP requests the file from the origin server.

A user requests the image from the CDN URL. The DNS routes the request to the best performing POP location.

Subsequent requests for the file may be directed to the same POP using the CDN logo image URL. The POP edge server returns the file from cache if the TTL has not expired.

The origin server returns the logo image to an edge server in the POP. An edge server in the POP caches the logo image and returns the image to the client.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 18

Topic #: 3

[All AZ-204 Questions]

You are developing an Azure Cosmos DB solution by using the Azure Cosmos DB SQL API. The data includes millions of documents. Each document may contain hundreds of properties.

The properties of the documents do not contain distinct values for partitioning. Azure Cosmos DB must scale individual containers in the database to meet the performance needs of the application by spreading the workload evenly across all partitions over time.

You need to select a partition key.

Which two partition keys can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. a single property value that does not appear frequently in the documents

    B. a value containing the collection name

    C. a single property value that appears frequently in the documents

    D. a concatenation of multiple property values with a random suffix appended

    E. a hash suffix appended to a property value

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 19

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

You are developing an Azure-hosted e-commerce web application. The application will use Azure Cosmos DB to store sales orders. You are using the latest SDK to manage the sales orders in the database.

You create a new Azure Cosmos DB instance. You include a valid endpoint and valid authorization key to an appSettings.json file in the code project.

You are evaluating the following application code: (Line number are included for reference only.)

```
01 using System;
02 using System.Threading.Tasks;
03 using Microsoft.Azure.Cosmos;
04 using Microsoft.Extensions.Configuration;
05 using Newtonsoft.Json;
06 namespace SalesOrders
07 {
08   public class SalesOrder
09   {
10     . . .
11   }
12   internal class ManageSalesOrders
13     {
14       private static async Task GenerateSalesOrders()
15         {
16           IConfigurationRoot configuration = new ConfigurationBuilder().AddJsonFile("appSettings.json").Build();
17           string endpoint = configuration["EndPointUrl"];
18           string authKey = configuration["AuthorizationKey"];
19           using CosmosClient client = new CosmosClient(endpoint, authKey);
20           Database database = null;
21           using (await client.GetDatabase("SalesOrders").DeleteStreamAsync()) { }
22           database = await client.CreateDatabaseIfNotExistsAsync("SalesOrders");
23           Container container1 = await database.CreateContainerAsync(id: "Container1", partitionKeyPath: "/AccountNumber");
24           Container container2 = await database.CreateContainerAsync(id: "Container2", partitionKeyPath: "/AccountNumber");
25           SalesOrder salesOrder1 = new SalesOrder() { AccountNumber = "123456" };
26           await container1.CreateItemAsync(salesOrder1, new PartitionKey(salesOrder1.AccountNumber));
27           SalesOrder salesOrder2 = new SalesOrder() { AccountNumber = "654321" };
28           await container1.CreateItemAsync(salesOrder2, new PartitionKey(salesOrder2.AccountNumber));
29           SalesOrder salesOrder3 = new SalesOrder() { AccountNumber = "109876" };
30           await container2.CreateItemAsync(salesOrder3, new PartitionKey(salesOrder3.AccountNumber));
31           _ = await database.CreateUserAsync("User1");
32           User user1 = database.GetUser("User1");
33           _ = await user1.ReadAsync();
34     }
35   }
36 }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A database named SalesOrders is created. The database will include two containers.	O	O
Container1 will contain two items.	O	O
Container2 will contain one item.	O	O

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 20

Topic #: 3

[All AZ-204 Questions]

DRAG DROP -

You develop an Azure solution that uses Cosmos DB.

The current Cosmos DB container must be replicated and must use a partition key that is optimized for queries.

You need to implement a change feed processor solution.

Which change feed processor components should you use? To answer, drag the appropriate components to the correct requirements. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view the content.

NOTE: Each correct selection is worth one point.

Select and Place:

Components

Host

Delegate

Lease container

Monitored container

Answer Area

Requirement	Component
Store the data from which the change feed is generated.	Component
Coordinate processing of the change feed across multiple workers.	Component
Use the change feed processor to listen for changes.	Component
Handle each batch of changes.	Component

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 21

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

You are developing a web application that will use Azure Storage. Older data will be less frequently used than more recent data.

You need to configure data storage for the application. You have the following requirements:

☞ Retain copies of data for five years.

☞ Minimize costs associated with storing data that is over one year old.

☞ Implement Zone Redundant Storage for application data.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Requirement	Solution
Configure an Azure Storage account	▼

Implement Blob Storage
Implement Azure Cosmos DB
Implement Storage (general purpose v1)
Implement StorageV2 (general purpose v2)

| Configure data retention | ▼ |

Snapshot blobs and move them to the archive tier
Set a lifecycle management policy to move blobs to the cool tier
Use AzCopy to copy the data to an on-premises device for backup
Set a lifecycle management policy to move blobs to the archive tier

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 22

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

A company develops a series of mobile games. All games use a single leaderboard service.

You have the following requirements:

▫ Code must be scalable and allow for growth.

▫ Each record must consist of a playerId, gameId, score, and time played.

▫ When users reach a new high score, the system will save the new score using the SaveScore function below.

Each game is assigned an Id based on the series title.

.

You plan to store customer information in Azure Cosmos DB. The following data already exists in the database:

PartitionKey	RowKey	Email
Harp	Walter	wharp@contoso.com
Smith	Steve	ssmith@contoso.com
Smith	Jeff	jsmith@contoso.com

You develop the following code to save scores in the data store. (Line numbers are included for reference only.)

```
01 public void SaveScore(string gameId, string playerId, int score, long timePlayed)
02 {
03 CloudStorageAccount storageAccount = CloudStorageAccount.Parse(connectionString);
04 CloudTableClient tableClient = storageAccount.CreateCloudTableClient();
05 CloudTable table = tableClient.GetTableReference("scoreTable");
06 table.CreateIfNotExists();
07 var scoreRecord = new PlayerScore(gameId, playerId, score, timePlayed);
08 TableOperation insertOperation = TableOperation.Insert(scoreRecord);
09 table.Execute(insertOperation);
10 }
```

You develop the following code to query the database. (Line numbers are included for reference only.)

```
01 CloudTableClient tableClient = account.CreateCloudTableClient();
02 CloudTable table = tableClient.GetTableReference ("people");
03 TableQuery < CustomerEntity> query = new TableQuery <CustomerEntity >( )
04 .Where( TableQuery.CombineFilters (
05 TableQuery.GenerateFilterCondition (PartitionKey, QueryComparisons.Equal , "Smith"),
06 TableOperators.And , TableQuery.GenerateFilterCondition(Email, QueryComparisons.Equal, "ssmith@contoso.com")
07 ));
08 await table.ExecuteQuerySegmentedAsync< CustomerEntity>(query, null);
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
SaveScore will work with Cosmos DB.	◯	◯
SaveScore will update and replace a record if one already exists with the same playerId and gameId.	◯	◯
Leader board data for the game will be automatically partitioned using gameId.	◯	◯
SaveScore will store the values for the gameId and playerId parameters in the database.	◯	◯

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 23

Topic #: 3

[All AZ-204 Questions]

You develop and deploy a web application to Azure App Service. The application accesses data stored in an Azure Storage account. The account contains several containers with several blobs with large amounts of data. You deploy all Azure resources to a single region.

You need to move the Azure Storage account to the new region. You must copy all data to the new region.

What should you do first?

    A. Export the Azure Storage account Azure Resource Manager template

    B. Initiate a storage account failover

    C. Configure object replication for all blobs

    D. Use the AzCopy command line tool

    E. Create a new Azure Storage account in the current region

    F. Create a new subscription in the current region

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 24

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

You are developing an application to collect the following telemetry data for delivery drivers: first name, last name, package count, item id, and current location coordinates. The app will store the data in Azure Cosmos DB.

You need to configure Azure Cosmos DB to query the data.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Configuration Parameter	Value
Azure Cosmos DB API	[▼]
	Gremlin
	Table API
	Core (SQL)

Configuration Parameter	Value
Azure Cosmos DB partition key	[▼]
	first name
	last name
	package count
	item id

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 25

Topic #: 3

[All AZ-204 Questions]

DRAG DROP -

You are implementing an Azure solution that uses Azure Cosmos DB and the latest Azure Cosmos DB SDK. You add a change feed processor to a new container instance. You attempt to read a batch of 100 documents. The process fails when reading one of the documents. The solution must monitor the progress of the change feed processor instance on the new container as the change feed is read. You must prevent the change feed processor from retrying the entire batch when one document cannot be read.

You need to implement the change feed processor to read the documents.

Which features should you use? To answer, drag the appropriate features to the cored requirements. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each cored selection is worth one point.

Select and Place:

Features

| Change feed estimator |

| Dead-letter queue |

| Deployment unit |

| Lease container |

Answer Area

Requirement	Feature
Monitor the progress of the change feed processor	
Prevent the change feed processor from retrying the entire batch when one document cannot be read	

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 26

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

You are developing an application that uses a premium block blob storage account. The application will process a large volume of transactions daily. You enable Blob storage versioning.

You are optimizing costs by automating Azure Blob Storage access tiers. You apply the following policy rules to the storage account. (Line numbers are included for reference only.)

```
01  {
02    "rules" : [
03      {
04        "name" : "versionRule",
05        "enabled" : true,
06        "type" : "Lifecycle",
07        "definition" : {
08          "actions" : {
09            "version" : {
10              "tierToCool" : {
11                "daysAfterCreationGreaterThan" : 60
12              },
13              "delete" : {
14                "daysAfterCreationGraterThan" : 365
15              }
16            }
17          },
18          "filters" : {
19            "blobTypes" : [ "blockBlob" ], "prefixMatch" : [ "transactions" ]
20          }
21        }
22      }
23    ]
24  }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Block blobs prefixed with **transactions** will transition blobs that have not been modified in over 60 days to cool storage, and delete blobs not modified in 365 days	○	○
Blobs are moved to cool storage if they have not been accessed for 60 days	○	○
The policy rule tiers previous versions within a container named transactions that are 60 days or older to the cool tier and deletes previous versions that are 365 days or older	○	○
Blobs will automatically be tiered from cool back to hot if accessed again after being tiered to cool	○	○

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 27

Topic #: 3

[All AZ-204 Questions]

An organization deploys Azure Cosmos DB.

You need to ensure that the index is updated as items are created, updated, or deleted.

What should you do?

    A. Set the indexing mode to Lazy.

    B. Set the value of the automatic property of the indexing policy to False.

    C. Set the value of the EnableScanInQuery option to True.

    D. Set the indexing mode to Consistent.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 28

Topic #: 3

[All AZ-204 Questions]

You are developing a .Net web application that stores data in Azure Cosmos DB. The application must use the Core API and allow millions of reads and writes.

The Azure Cosmos DB account has been created with multiple write regions enabled. The application has been deployed to the East US2 and Central US regions.

You need to update the application to support multi-region writes.

What are two possible ways to achieve this goal? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Update the ConnectionPolicy class for the Cosmos client and populate the PreferredLocations property based on the geo-proximity of the application.

B. Update Azure Cosmos DB to use the Strong consistency level. Add indexed properties to the container to indicate region.

C. Update the ConnectionPolicy class for the Cosmos client and set the UseMultipleWriteLocations property to true.

D. Create and deploy a custom conflict resolution policy.

E. Update Azure Cosmos DB to use the Session consistency level. Send the SessionToken property value from the FeedResponse object of the write action to the end-user by using a cookie.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 29

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

You are developing a solution to store documents in Azure Blob storage. Customers upload documents to multiple containers. Documents consist of PDF, CSV, Microsoft Office format and plain text files.

The solution must process millions of documents across hundreds of containers. The solution must meet the following requirements:

☞ Documents must be categorized by a customer identifier as they are uploaded to the storage account.

☞ Allow filtering by the customer identifier.

☞ Allow searching of information contained within a document

☞ Minimize costs.

You create and configure a standard general-purpose v2 storage account to support the solution.

You need to implement the solution.

What should you implement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Requirement	Solution
Search and filter by customer identifier	▼ Azure Cognitive Search Azure Blob index tags Azure Blob inventory policy Azure Blob metadata
Search information inside documents	▼ Azure Cognitive Search Azure Blob index tags Azure Blob inventory policy Azure Blob metadata

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 30

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

You are developing a web application by using the Azure SDK. The web application accesses data in a zone-redundant BlockBlobStorage storage account.

The application must determine whether the data has changed since the application last read the data. Update operations must use the latest data changes when writing data to the storage account.

You need to implement the update operations.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Code evaluation	Value
HTTP Header value	▼
	ETag
	Last Modified
	VersionId
Conditional header	▼
	If-Match
	If-Modified-Since
	If-None-Match

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 31

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

An organization deploys a blob storage account. Users take multiple snapshots of the blob storage account over time.

You need to delete all snapshots of the blob storage account. You must not delete the blob storage account itself.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
Delete (Azure.Storage.Blobs.Models.DeleteSnapshotsOption
snapshotsOption = Azure.Storage.Blobs.Models.[                 ▼ ] . [              ▼ ] )
                                              DeleteIfExists           IncludeSnapshots
                                              DeleteSnapshotsOption    None
                                              WithSnapshot             OnlySnapshots
                                              WithSnapshotCore
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 32

Topic #: 3

[All AZ-204 Questions]

HOTSPOT -

An organization deploys a blob storage account. Users take multiple snapshots of the blob storage account over time.

You need to delete all snapshots of the blob storage account. You must not delete the blob storage account itself.

How should you complete the code segment? To answer, select the appropriate options in the answer area.
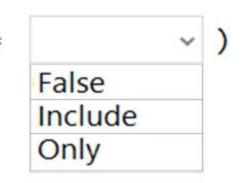
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

delete_blob (

| delete_conteiner |
| delete_snapshots |
| snapshot_blob |
| snapshots_present |

=

| False |
| Include |
| Only |

)

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 33

Topic #: 3

[All AZ-204 Questions]

HOTSPOT

-

You are developing an application that monitors data added to an Azure Blob storage account.

You need to process each change made to the storage account.

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

NOTE: Each correct selection is worth one point.

Answer Area

```
var changeFeedClient = new BlobServiceClient("…").GetChangeFeedClient();
var x = default(string);
while (true)
{
    var changeFeed = changeFeedClient. [                    ▼ ] ;
```

```
GetChanges()
GetChangesAsync()
GetChanges(x).AsPages()
GetChanges(x).GetEnumerator()
```

```
    foreach (var c in changeFeed)
    {
        x = c. [                    ▼ ] ;
```

```
ContinuationToken
GetRawResponse().ReasonPhrase
Values.Max(x = > x.EventTime).ToString()
Values.Min(x = > x.EventTime).ToString()
```

```
        ProcessChanges(c.Values);
    }
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 34

Topic #: 3

[All AZ-204 Questions]

HOTSPOT

-

You develop an application that sells AI generated images based on user input. You recently started a marketing campaign that displays unique ads every second day.

Sales data is stored in Azure Cosmos DB with the date of each sale being stored in a property named 'whenFinished'.

The marketing department requires a view that shows the number of sales for each unique ad.
You need to implement the query for the view.

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

NOTE: Each correct selection is worth one point.

SELECT

```
[                    ▼ ]
  max(c.whenFinished)
  sum(c.whenFinished)
  count(c.whenFinished)
```

```
[                    ▼ ]
  DateTimeBin(c.whenFinished, 'day', 2)
  DateTimePart(c.whenFinished, 'day', 2)
  DateTimeBin(c.whenFinished, 'hour', 12)
  DateTimePart(c.whenFinished, 'hour', 12)
```

FROM c
group by

```
[                    ▼ ]
  DateTimeBin(c.whenFinished, 'day', 2)
  DateTimePart(c.whenFinished, 'day', 2)
  DateTimeBin(c.whenFinished, 'hour', 12)
  DateTimePart(c.whenFinished, 'hour', 12)
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 35

Topic #: 3

[All AZ-204 Questions]

HOTSPOT

-

You implement an Azure solution to include Azure Cosmos DB, the latest Azure Cosmos DB SDK, and the Core (SQL) API. You also implement a change feed processor on a new container instance by using the Azure Functions trigger for Azure Cosmos DB.

A large batch of documents continues to fail when reading one of the documents in the batch. The same batch of documents is continuously retried by the triggered function and a new batch of documents must be read.

You need to implement the change feed processor to read the documents.

Which feature should you implement? To answer, select the appropriate features in the answer area.
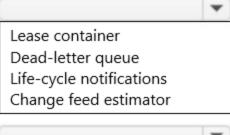
NOTE: Each correct selection is worth one point.

Requirement	Feature
Read a new batch of documents while keeping track of the failing batch of documents.	Lease container Dead-letter queue Life-cycle notifications Change feed estimator
Handle errors in the change feed processor.	Lease container Dead-letter queue Life-cycle notifications Change feed estimator

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 36

Topic #: 3

[All AZ-204 Questions]

You are developing an application to store business-critical data in Azure Blob storage.

The application must meet the following requirements:

• Data must not be modified or deleted for a user-specified interval.

• Data must be protected from overwrites and deletes.

• Data must be written once and allowed to be read many times.

You need to protect the data in the Azure Blob storage account.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Configure a time-based retention policy for the storage account.

- B. Create an account shared-access signature (SAS).

- C. Enable the blob change feed for the storage account.

- D. Enable version-level immutability support for the storage account.

- E. Enable point-in-time restore for containers in the storage account.

- F. Create a service shared-access signature (SAS).

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 37

Topic #: 3

[All AZ-204 Questions]

You are updating an application that stores data on Azure and uses Azure Cosmos DB for storage. The application stores data in multiple documents associated with a single username.

The application requires the ability to update multiple documents for a username in a single ACID operation.

You need to configure Azure Cosmos DB.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

   A. Create a collection sharded on username to store documents.

   B. Configure Azure Cosmos DB to use the Gremlin API.

   C. Create an unsharded collection to store documents.

   D. Configure Azure Cosmos DB to use the MongoDB API.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 38

Topic #: 3

[All AZ-204 Questions]

You develop Azure solutions.

You must connect to a No-SQL globally-distributed database by using the .NET API.

You need to create an object to configure and execute requests in the database.

Which code segment should you use?

A. database_name = 'MyDatabase'
database = client.create_database_if_not_exists(id=database_name)

B. client = CosmosClient(endpoint, key)

C. container_name = 'MyContainer'
container = database.create_container_if_not_exists(
id=container_name, partition_key=PartitionKey(path="/lastName"), offer_throughput=400)

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 39

Topic #: 3

[All AZ-204 Questions]

You develop a web application that provides access to legal documents that are stored on Azure Blob Storage with version-level immutability policies. Documents are protected with both time-based policies and legal hold policies. All time-based retention policies have the AllowProtectedAppendWrites property enabled.

You have a requirement to prevent the user from attempting to perform operations that would fail only when a legal hold is in effect and when all other policies are expired.

You need to meet the requirement.

Which two operations should you prevent? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. adding data to documents

    B. deleting documents

    C. creating documents

    D. overwriting existing documents

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 40

Topic #: 3

[All AZ-204 Questions]

HOTSPOT

-

You provisioned an Azure Cosmos DB for NoSQL account named account1 with the default consistency level.

You plan to configure the consistency level on a per request basis. The level needs to be set for consistent prefix for read and write operations to account1.

You need to identify the resulting consistency level for read and write operations.

Which levels should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Operation type	Resulting consistency level
Read operations	

strong
session
consistent prefix

| Write operations | |

strong
session
consistent prefix

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 41

Topic #: 3

[All AZ-204 Questions]

DRAG DROP

-

You are developing an application to store millions of images in Azure blob storage. The images are uploaded to an Azure blob storage container named companyimages contained in an Azure blob storage account named companymedia. The stored images are uploaded with multiple blob index tags across multiple blobs in the container.

You must find all blobs whose tags match a search expression in the container. The search expression must evaluate an index tag named status with a value of final.

You need to construct the GET method request URI.

How should you complete the URI? To answer, drag the appropriate parameters to the correct request URI targets. Each parameter may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Parameters   **Answer Area**

| Status='Final' |

https:// [_____] .blob.core.windows.net/ [_____] ?restype=container&comp=blobs&where= [_____]

| Status<='Final' |

| companymedia |

| companyimages |

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 42

Topic #: 3

[All AZ-204 Questions]

HOTSPOT

-

You develop two Python scripts to process data.

The Python scripts must be deployed to two, separate Linux containers running in an Azure Container Instance container group. The containers must access external data by using the Server Message Block (SMB) protocol. Containers in the container group must run only once.

You need to configure the Azure Container Instance.

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

NOTE: Each correct selection is worth one point.

Answer Area

Configuration Setting	Configuration Value
External data volume	

Secret
Empty directory
Cloned git repo
Azure file share

Configuration Setting	Configuration Value
Container restart policy	

Never
Always
OnFailure

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 43

Topic #: 3

[All AZ-204 Questions]

HOTSPOT

-

You are developing a static website hosted on Azure Blob Storage. You create a storage account and enable static website hosting.

The website must support the following requirements:

• Custom domain name
• Custom header values for all responses
• Custom SSL certificate

You need to implement the static website.

What should you configure? To answer, select the appropriate values in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area
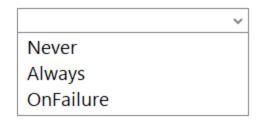
Requirement	Configuration Value
Custom domain name	
	Blob index tags
	Azure Content Delivery Network (CDN)
	Cross-Origin Resource Sharing (CORS)
	Azure Storage Service Encryption (SSE)
Custom header values	
	Blob index tags
	Azure Content Delivery Network (CDN)
	Cross-Origin Resource Sharing (CORS)
	Azure Storage Service Encryption (SSE)
Custom SSL certificate	
	Blob index tags
	Azure Content Delivery Network (CDN)
	Cross-Origin Resource Sharing (CORS)
	Azure Storage Service Encryption (SSE)

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 44

Topic #: 3

[All AZ-204 Questions]

You are developing an inventory tracking solution. The solution includes an Azure Function app containing multiple functions triggered by Azure Cosmos DB. You plan to deploy the solution to multiple Azure regions.

The solution must meet the following requirements:

• Item results from Azure Cosmos DS must return the most recent committed version of an item.
• Items written to Azure Cosmos DB must provide ordering guarantees.

You need to configure the consistency level for the Azure Cosmos DB deployments.

Which consistency level should you use?

    A. consistent prefix

    B. eventual

    C. bounded staleness

    D. strong

    E. session

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 45

Topic #: 3

[All AZ-204 Questions]

HOTSPOT

-

You are developing an application that runs in several customer Azure Kubernetes Service clusters. Within each cluster, a pod runs that collects performance data to be analyzed later. A large amount of data is collected so saving latency must be minimized.

The performance data must be stored so that pod restarts do not impact the stored data. Write latency should be minimized.

You need to configure blob storage.

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

NOTE: Each correct selection is worth one point.

Answer Area

```
apiVersion: storage.k8s.io/v1
kind:        [                    ▾]
              PodStorage
              StorageClass
              PersistentVolume
              PersistentVolumeClaim
metadata:
  name: data-store
provisioner: kubernetes.io/  [                    ▾]
                              azure-disk
                              azure-file
                              portworx-volume
                              scaleio

parameters:

  skuName: Premium_LRS
reclaimPolicy:  [                    ▾]
                 local
                 retain
                 delete
```

Show Suggested Answer

^

Actual exam question from Microsoft's AZ-204
Question #: 46
Topic #: 3
[All AZ-204 Questions]

HOTSPOT
-

Case study
-

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study
-

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

Background
-

VanArsdel, Ltd. is a global office supply company. The company is based in Canada and has retail store locations across the world. The company is developing several cloud-based solutions to support their stores, distributors, suppliers, and delivery services.

Current environment
-

Corporate website
-

The company provides a public website located at http://www.vanarsdelltd.com. The website consists of a React JavaScript user interface, HTML, CSS, image assets, and several APIs hosted in Azure Functions.

Retail Store Locations
-

The company supports thousands of store locations globally. Store locations send data every hour to an Azure Blob storage account to support inventory, purchasing and delivery services. Each record includes a location identifier and sales transaction information.

Requirements
-

The application components must meet the following requirements:

Corporate website
-

• Secure the website by using SSL.
• Minimize costs for data storage and hosting.
• Implement native GitHub workflows for continuous integration and continuous deployment (CI/CD).
• Distribute the website content globally for local use.
• Implement monitoring by using Application Insights and availability web tests including SSL certificate validity and custom header value verification.
• The website must have 99.95 percent uptime.

Retail store locations
-

• Azure Functions must process data immediately when data is uploaded to Blob storage. Azure Functions must update Azure Cosmos DB by using native SQL language queries.
• Audit store sale transaction information nightly to validate data, process sales financials, and reconcile inventory.

Delivery services
-

• Store service telemetry data in Azure Cosmos DB by using an Azure Function. Data must include an item id, the delivery vehicle license plate, vehicle package capacity, and current vehicle location coordinates.
• Store delivery driver profile information in Azure Active Directory (Azure AD) by using an Azure Function called from the corporate website.

Inventory services
-

The company has contracted a third-party to develop an API for inventory processing that requires access to a specific blob within the retail store storage account for three months to
include read-only access to the data.

Security
-

• All Azure Functions must centralize management and distribution of configuration data for different environments and geographies, encrypted by using a company-provided RSA-HSM key.
• Authentication and authorization must use Azure AD and services must use managed identities where possible.

Issues
-

Retail Store Locations
-

• You must perform a point-in-time restoration of the retail store location data due to an unexpected and accidental deletion of data.
• Azure Cosmos DB queries from the Azure Function exhibit high Request Unit (RU) usage and contain multiple, complex queries that exhibit high point read latency for large items as the function app is scaling.

You need to implement the delivery service telemetry data.

How should you configure the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Azure Cosmos DB	Value
API	[dropdown ▼]
	Core (SQL)
	Gremlin
	Table
	MongoDB
Partition Key	[dropdown ▼]
	Item id
	Vehicle license plate
	Vehicle package capacity
	Vehicle location coordinates

[Show Suggested Answer]

Actual exam question from Microsoft's AZ-204

Question #: 47

Topic #: 3

[All AZ-204 Questions]

You create and publish a new Azure App Service web app.

User authentication and authorization must use Azure Active Directory (Azure AD).

You need to configure authentication and authorization.

What should you do first?

- A. Add an identity provider.

- B. Map an existing custom DNS name.

- C. Create and configure a new app setting.

- D. Add a private certificate.

- E. Create and configure a managed identity.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 48

Topic #: 3

[All AZ-204 Questions]

DRAG DROP

-

You have an Azure Cosmos DB for NoSQL account.

You plan to develop two apps named App1 and App2 that will use the change feed functionality to track changes to containers. App1 will use the pull model and App2 will use the push model.

You need to choose the method to track the most recently processed change in App1 and App2.

Which component should you use? To answer, drag the appropriate components to the correct apps. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Components

| Lease container |

| Integrated cache |

| Continuation token |

Answer Area

App	Component
App1	
App2	

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 49

Topic #: 3

[All AZ-204 Questions]

You have a Linux container-based console application that uploads image files from customer sites all over the world. A back-end system that runs on Azure virtual machines processes the images by using the Azure Blobs API.

You are not permitted to make changes to the application.

Some customer sites only have phone-based internet connections.

You need to configure the console application to access the images.

What should you use?

A. Azure BlobFuse

B. Azure Disks

C. Azure Storage Network File System (NFS) 3.0 support

D. Azure Files

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 50

Topic #: 3

[All AZ-204 Questions]

DRAG DROP

-

You are developing several microservices named serviceA, serviceB, and serviceC. You deploy the microservices to a new Azure Container Apps environment.

You have the following requirements:

• The microservices must persist data to storage.
• serviceA must persist data only visible to the current container and the storage must be restricted to the amount of disk space available in the container.
• serviceB must persist data for the lifetime of the replica and allow multiple containers in the replica to mount the same storage location.
• serviceC must persist data beyond the lifetime of the replica while allowing multiple containers to access the storage and enable per object permissions.

You need to configure storage for each microservice.

Which storage type should you use? To answer, drag the appropriate storage types to the correct microservices. Each storage type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Storage types

| Azure Blob Storage |
| Azure Files storage |
| Ephemeral volume |
| Container file system |

Answer Area

Microservice	Storage type
serviceA	
serviceB	
serviceC	

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 51

Topic #: 3

[All AZ-204 Questions]

DRAG DROP

-

You are developing a web service that will run on Azure virtual machines that use Azure Storage. You configure all virtual machines to use managed identities.

You have the following requirements:

• Secret-based authentication mechanisms are not permitted for accessing an Azure Storage account.
• Must use only Azure Instance Metadata Service endpoints.

You need to write code to retrieve an access token to access Azure Storage. To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Code segment 1

```
http://localhost:50342/oauth2/token
```

```
http://169.254.169.254:50432/oauth2/token
```

```
http://localhost/metadata/identity/oauth2/token
```

```
http://169.254.169.254/metadata/identity/oauth2/token
```

Code segment 2

```
import xml.etree.ElementTree as e
e.parse(response.read())
```

```
import csv
csv.DictReader(response.read())
```

```
import yaml
return yaml.load(response.read())
```

```
import json
return json.loads(response.read())
```

Answer Area

```
import urllib.request
url = "                    Code segment 1                    "
queryString = ""
response = urllib.request.urlopen(url + queryString)
              Code segment 2
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 52

Topic #: 3

[All AZ-204 Questions]

HOTSPOT

-

You are developing an Azure Function app.

The Azure Function app must enable a WebHook to read an image from Azure Blob Storage and create a new Azure Cosmos DB document.

You need to implement the Azure Function app.

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

NOTE: Each correct selection is worth one point.

Answer Area

Trigger	Input binding	Output binding
HTTP	HTTP	HTTP
Timer	Timer	Timer
Blob Storage	Blob Storage	Blob Storage
Azure Cosmos DB	Azure Cosmos DB	Azure Cosmos DB

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 53

Topic #: 3

[All AZ-204 Questions]

You create an Azure Cosmos DB for NoSQL database.

You plan to use the Azure Cosmos DB .NET SDK v3 API for NoSQL to upload the following files:

File Name	File Size
File1	1MB
File2	2MB
File3	3MB
File4	4MB
File5	5MB

You receive the following error message when uploading the files: "413 Entity too large".

You need to determine which files you can upload to the Azure Cosmos DB for NoSQL database.

Which files can you upload?

    A. File1, File2, File3, File4, and File5

    B. File1 and File2 only

    C. File1, File2, and File3 only

    D. File1, File2, File3, and File4 only

    E. File1 only

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 1

Topic #: 4

[All AZ-204 Questions]

You are developing a Java application that uses Cassandra to store key and value data. You plan to use a new Azure Cosmos DB resource and the Cassandra API in the application. You create an Azure Active Directory (Azure AD) group named Cosmos DB Creators to enable provisioning of Azure Cosmos accounts, databases, and containers.

The Azure AD group must not be able to access the keys that are required to access the data.

You need to restrict access to the Azure AD group.

Which role-based access control should you use?

    A. DocumentDB Accounts Contributor

    B. Cosmos Backup Operator

    C. Cosmos DB Operator

    D. Cosmos DB Account Reader

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 2

Topic #: 4

[All AZ-204 Questions]

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

You are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials.

You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level.

You need to configure authorization.

Solution: Configure the Azure Web App for the website to allow only authenticated requests and require Azure AD log on.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 3

Topic #: 4

[All AZ-204 Questions]

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.

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You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level.

You need to configure authorization.

Solution:

☞ Create a new Azure AD application. In the application's manifest, set value of the groupMembershipClaims option to All.

☞ In the website, use the value of the groups claim from the JWT for the user to determine permissions.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 4

Topic #: 4

[All AZ-204 Questions]

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.

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You are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials.

You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level.

You need to configure authorization.

Solution:

☞ Create a new Azure AD application. In the application's manifest, define application roles that match the required permission levels for the application.

☞ Assign the appropriate Azure AD group to each role. In the website, use the value of the roles claim from the JWT for the user to determine permissions.

Does the solution meet the goal?

    A. Yes

    B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 5

Topic #: 4

[All AZ-204 Questions]

DRAG DROP -

You are developing an application to securely transfer data between on-premises file systems and Azure Blob storage. The application stores keys, secrets, and certificates in Azure Key Vault. The application uses the Azure Key Vault APIs.

The application must allow recovery of an accidental deletion of the key vault or key vault objects. Key vault objects must be retained for 90 days after deletion.

You need to protect the key vault and key vault objects.

Which Azure Key Vault feature should you use? To answer, drag the appropriate features to the correct actions. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Features

| Access policy |
| Purge protection |
| Soft delete |
| Shared access signature |

Answer Area

Action	Feature
Enable retention period and accidental deletion.	Feature
Enforce retention period and accidental deletion.	Feature

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 6

Topic #: 4

[All AZ-204 Questions]

You provide an Azure API Management managed web service to clients. The back-end web service implements HTTP Strict Transport Security (HSTS).

Every request to the backend service must include a valid HTTP authorization header.

You need to configure the Azure API Management instance with an authentication policy.

Which two policies can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. Basic Authentication

    B. Digest Authentication

    C. Certificate Authentication

    D. OAuth Client Credential Grant

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 7

Topic #: 4

[All AZ-204 Questions]

DRAG DROP -

You are developing an ASP.NET Core website that can be used to manage photographs which are stored in Azure Blob Storage containers.

Users of the website authenticate by using their Azure Active Directory (Azure AD) credentials.

You implement role-based access control (RBAC) role permissions on the containers that store photographs. You assign users to RBAC roles.

You need to configure the website's Azure AD Application so that user's permissions can be used with the Azure Blob containers.

How should you configure the application? To answer, drag the appropriate setting to the correct location. Each setting can be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Settings

| client_id |
| profile |
| delegated |
| application |
| user_impersonation |

Answer Area

API	Permission	Type
Azure Storage	Setting	Setting
Microsoft Graph	User.Read	Setting

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 8

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You are developing an ASP.NET Core app that includes feature flags which are managed by Azure App Configuration. You create an Azure App Configuration store named AppFeatureFlagStore that contains a feature flag named Export.

You need to update the app to meet the following requirements:

☞ Use the Export feature in the app without requiring a restart of the app.

☞ Validate users before users are allowed access to secure resources.

☞ Permit users to access secure resources.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
public void Configure(IApplicationBuilder app, IWebHostEnvironment env)
{
if (env.IsDevelopment())
{
    app.UseDeveloperExceptionPage();
{
else
{
    app.UseExceptionHandler("/Error");
}
```

app.   ();

| UseAuthentication |
| UseStaticFiles |
| UseSession |
| UseCookiePolicy |

app.   ();

| UseAuthorization |
| UseHttpsRedirection |
| UseSession |
| UseCookiePolicy |

app.   ();

| UseAzureAppConfiguration |
| UseRequestLocalization |
| UseCors |
| UseStaticFiles |

```
app.UseEndpoint(endpoints =>
{
    endpoints.MapRazorPages();
});
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 9

Topic #: 4

[All AZ-204 Questions]

You have an application that includes an Azure Web app and several Azure Function apps. Application secrets including connection strings and certificates are stored in Azure Key Vault.

Secrets must not be stored in the application or application runtime environment. Changes to Azure Active Directory (Azure AD) must be minimized.

You need to design the approach to loading application secrets.

What should you do?

A. Create a single user-assigned Managed Identity with permission to access Key Vault and configure each App Service to use that Managed Identity.

B. Create a single Azure AD Service Principal with permission to access Key Vault and use a client secret from within the App Services to access Key Vault.

C. Create a system assigned Managed Identity in each App Service with permission to access Key Vault.

D. Create an Azure AD Service Principal with Permissions to access Key Vault for each App Service and use a certificate from within the App Services to access Key Vault.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 10

Topic #: 4

[All AZ-204 Questions]

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

You are developing a medical records document management website. The website is used to store scanned copies of patient intake forms.

If the stored intake forms are downloaded from storage by a third party, the contents of the forms must not be compromised.

You need to store the intake forms according to the requirements.

Solution:

1. Create an Azure Key Vault key named skey.

2. Encrypt the intake forms using the public key portion of skey.

3. Store the encrypted data in Azure Blob storage.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 11

Topic #: 4

[All AZ-204 Questions]

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.

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If the stored intake forms are downloaded from storage by a third party, the contents of the forms must not be compromised.

You need to store the intake forms according to the requirements.

Solution:

1. Create an Azure Cosmos DB database with Storage Service Encryption enabled.

2. Store the intake forms in the Azure Cosmos DB database.

Does the solution meet the goal?

    A. Yes

    B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 12

Topic #: 4

[All AZ-204 Questions]

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.

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

You are developing a medical records document management website. The website is used to store scanned copies of patient intake forms.

If the stored intake forms are downloaded from storage by a third party, the contents of the forms must not be compromised.

You need to store the intake forms according to the requirements.

Solution: Store the intake forms as Azure Key Vault secrets.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 13

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You plan to deploy a new application to a Linux virtual machine (VM) that is hosted in Azure.

The entire VM must be secured at rest by using industry-standard encryption technology to address organizational security and compliance requirements.

You need to configure Azure Disk Encryption for the VM.

How should you complete the Azure CLI commands? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
az provider register -n Microsoft.KeyVault
resourcegroup="myResourceGroup"
az group create --name $resourcegroup --location westus
keyvault_name=myvaultname$RANDOM
az [          ▼] create \
   vm
   keyvault
   keyvault key
   vm encryption

   --name $keyvault_name \
   --resource-group $resourcegroup \
   --location eastus \
   --enabled-for-disk-encryption True
az [          ▼] create \
   vm
   keyvault
   keyvault key
   vm encryption

   --vault-name $keyvault_name \
   --name Name1 \
   --protection software
az [          ▼] create \
   vm
   keyvault
   keyvault key
   vm encryption

   --resource-group $resourcegroup \
   --name Name2 \
   --image Canonical:UbuntuServer:16.04-LTS:latest \
   --admin-username azureuser \
   --generate-ssh-keys \
   --data-disk-sizes-gb 5
az [          ▼] enable\
   vm
   keyvault
   keyvault key
   vm encryption

   --resource-group $resourcegroup \
   --name Name2 \
   --disk-encryption-keyvault $keyvault_name \
   --key-encryption-key Name1 \
   --volume-type [          ▼]
                  all
                  data
                  os
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 14

Topic #: 4

[All AZ-204 Questions]

Your company is developing an Azure API hosted in Azure.

You need to implement authentication for the Azure API to access other Azure resources. You have the following requirements:

☞ All API calls must be authenticated.

☞ Callers to the API must not send credentials to the API.

Which authentication mechanism should you use?

    A. Basic

    B. Anonymous

    C. Managed identity

    D. Client certificate

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 15

Topic #: 4

[All AZ-204 Questions]

DRAG DROP -

You are developing an application. You have an Azure user account that has access to two subscriptions.

You need to retrieve a storage account key secret from Azure Key Vault.

In which order should you arrange the PowerShell commands to develop the solution? To answer, move all commands from the list of commands to the answer area and arrange them in the correct order.

Select and Place:

Powershell commands

```
$secretvalue = ConvertTo-SecureString
$storAcctkey -AsPlainText
-Force
    Set-AzKeyVaultSecret -VaultName
$vaultName -Name $secretName
-SecretValue $secretvalue
```

```
Get-AzStorageAccountKey -
ResourceGroupName $resGroup -Name
$storAcct
```

```
Set-AzContext -SubscriptionId
$subscriptionID
```

```
Get-AzKeyVaultSecret -VaultName
$vaultName
```

```
Get-AzSubscription
```

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 16

Topic #: 4

[All AZ-204 Questions]

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

You develop Azure solutions.

You must grant a virtual machine (VM) access to specific resource groups in Azure Resource Manager.

You need to obtain an Azure Resource Manager access token.

Solution: Use an X.509 certificate to authenticate the VM with Azure Resource Manager.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 17

Topic #: 4

[All AZ-204 Questions]

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

You develop Azure solutions.

You must grant a virtual machine (VM) access to specific resource groups in Azure Resource Manager.

You need to obtain an Azure Resource Manager access token.

Solution: Use the Reader role-based access control (RBAC) role to authenticate the VM with Azure Resource Manager.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 18

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You are building a website that is used to review restaurants. The website will use an Azure CDN to improve performance and add functionality to requests.

You build and deploy a mobile app for Apple iPhones. Whenever a user accesses the website from an iPhone, the user must be redirected to the app store.

You need to implement an Azure CDN rule that ensures that iPhone users are redirected to the app store.

How should you complete the Azure Resource Manager template? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
"conditions": [ {
    "name": "IsDevice",
    "parameters": {
      "@odata.type": "#Microsoft.Azure.Cdn.Models.[                  ▼ ]",
      "operator": "Equal",                    DeliveryRuleIsDeviceConditionParameters
      "matchValues": [ "  [      ▼ ]  " ]     DeliveryRuleCookiesConditionParameters
} },                          iOS             DeliveryRulePostArgsConditionParameters
  {                          Mobile           DeliveryRuleRequestHeaderConditionParameters
                             iPhone
                             Desktop
    "name": "RequestHeader",
    "parameters": {
      "@odata.type": "#Microsoft.Azure.Cdn.Models.[                  ▼ ]",
      "operator": "Contains",                 DeliveryRuleIsDeviceConditionParameters
      "selector": "  [      ▼ ]  ",           DeliveryRuleCookiesConditionParameters
                     FROM                     DeliveryRulePostArgsConditionParameters
                     PRAGMA                   DeliveryRuleRequestHeaderConditionParameters
                     X-POWERED-BY
                     HTTP_USER_AGENT
      "matchValues": [ "  [      ▼ ]  " ]
} }                          iOS
]                           Mobile
                            iPhone
                            Desktop
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 19

Topic #: 4

[All AZ-204 Questions]

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.

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You are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials.

You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level.

You need to configure authorization.

Solution:

☞ Configure and use Integrated Windows Authentication in the website.

☞ In the website, query Microsoft Graph API to load the groups to which the user is a member.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 20

Topic #: 4

[All AZ-204 Questions]

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

You develop Azure solutions.

You must grant a virtual machine (VM) access to specific resource groups in Azure Resource Manager.

You need to obtain an Azure Resource Manager access token.

Solution: Run the Invoke-RestMethod cmdlet to make a request to the local managed identity for Azure resources endpoint.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 21

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You are building a website to access project data related to teams within your organization. The website does not allow anonymous access. Authentication is performed using an Azure Active Directory (Azure AD) app named internal.

The website has the following authentication requirements:

☞ Azure AD users must be able to login to the website.

☞ Personalization of the website must be based on membership in Active Directory groups.

You need to configure the application's manifest to meet the authentication requirements.

How should you configure the manifest? To answer, select the appropriate configuration in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
{
    . . .
    "appId": "d61126e3-089b-4adb-b721-d5023213df7d",
    "displayName": "internal",
```

| ▼ | : "All", |

"optionalClaims"
"groupMembershipClaims"

| ▼ | : true |

"allowPublicClient"
"oauth2Permissions"
"requiredResourceAccess"
"oauth2AllowImplicitFlow"

```
    . . .
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 22

Topic #: 4

[All AZ-204 Questions]

You develop an app that allows users to upload photos and videos to Azure storage. The app uses a storage REST API call to upload the media to a blob storage account named Account1. You have blob storage containers named Container1 and Container2.

Uploading of videos occurs on an irregular basis.

You need to copy specific blobs from Container1 to Container2 when a new video is uploaded.

What should you do?

A. Copy blobs to Container2 by using the Put Blob operation of the Blob Service REST API

B. Create an Event Grid topic that uses the Start-AzureStorageBlobCopy cmdlet

C. Use AzCopy with the Snapshot switch to copy blobs to Container2

D. Download the blob to a virtual machine and then upload the blob to Container2

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 23

Topic #: 4

[All AZ-204 Questions]

You are developing an ASP.NET Core website that uses Azure FrontDoor. The website is used to build custom weather data sets for researchers. Data sets are downloaded by users as Comma Separated Value (CSV) files. The data is refreshed every 10 hours.

Specific files must be purged from the FrontDoor cache based upon Response Header values.

You need to purge individual assets from the Front Door cache.

Which type of cache purge should you use?

    A. single path

    B. wildcard

    C. root domain

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 24

Topic #: 4

[All AZ-204 Questions]

Your company is developing an Azure API.

You need to implement authentication for the Azure API. You have the following requirements:

All API calls must be secure.

.

☞ Callers to the API must not send credentials to the API.

Which authentication mechanism should you use?

    A. Basic

    B. Anonymous

    C. Managed identity

    D. Client certificate

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 25

Topic #: 4

[All AZ-204 Questions]

You are a developer for a SaaS company that offers many web services.

All web services for the company must meet the following requirements:

☞ Use API Management to access the services

☞ Use OpenID Connect for authentication

☞ Prevent anonymous usage

A recent security audit found that several web services can be called without any authentication.

Which API Management policy should you implement?

A. jsonp

B. authentication-certificate

C. check-header

D. validate-jwt

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 26

Topic #: 4

[All AZ-204 Questions]

DRAG DROP -

Contoso, Ltd. provides an API to customers by using Azure API Management (APIM). The API authorizes users with a JWT token.

You must implement response caching for the APIM gateway. The caching mechanism must detect the user ID of the client that accesses data for a given location and cache the response for that 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 should you add the policies? To answer, drag the appropriate sections to the correct policies. Each section may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Policy section	Policy	Policy section
	Set-variable	
Inbound	Cache-lookup-value	
Outbound	Cache-store-value	
	Find-and-replace	

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 27

Topic #: 4

[All AZ-204 Questions]

DRAG DROP -

You are developing an Azure solution.

You need to develop code to access a secret stored in Azure Key Vault.

How should you complete the code segment? To answer, drag the appropriate code segments to the correct location. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Code segments

DefaultAzureCredential

ClientSecretCredential

CloudClients

SecretClient

Answer Area

```
string var1 = Environment.GetEnvironmentVariable("KEY_VAULT_URI");

var var2 = new [ Code segment ] ( new Uri(var1), new [ Code segment ] ());
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 28

Topic #: 4

[All AZ-204 Questions]

You are developing an Azure App Service REST API.

The API must be called by an Azure App Service web app. The API must retrieve and update user profile information stored in Azure Active Directory (Azure AD).

You need to configure the API to make the updates.

Which two tools should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. Microsoft Graph API

    B. Microsoft Authentication Library (MSAL)

    C. Azure API Management

    D. Microsoft Azure Security Center

    E. Microsoft Azure Key Vault SDK

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 29

Topic #: 4

[All AZ-204 Questions]

You develop a REST API. You implement a user delegation SAS token to communicate with Azure Blob storage.

The token is compromised.

You need to revoke the token.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. Revoke the delegation key.

    B. Delete the stored access policy.

    C. Regenerate the account key.

    D. Remove the role assignment for the security principle.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 30

Topic #: 4

[All AZ-204 Questions]

DRAG DROP -

You are developing an Azure-hosted application that must use an on-premises hardware security module (HSM) key.

The key must be transferred to your existing Azure Key Vault by using the Bring Your Own Key (BYOK) process.

You need to securely transfer the key to Azure Key Vault.

Which four 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.

Select and Place:

Actions

Generate a key transfer blob file by using the HSM vendor-provided tool.
Generate a Key Exchange Key (KEK).
Create a custom policy definition in Azure Policy.
Run the `az keyvault key import` command.
Run the `az keyvault key restore` command.
Retrieve the Key Exchange Key (KEK) public key.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 31

Topic #: 4

[All AZ-204 Questions]

You develop and deploy an Azure Logic app that calls an Azure Function app. The Azure Function app includes an OpenAPI (Swagger) definition and uses an Azure Blob storage account. All resources are secured by using Azure Active Directory (Azure AD).

The Azure Logic app must securely access the Azure Blob storage account. Azure AD resources must remain if the Azure Logic app is deleted.

You need to secure the Azure Logic app.

What should you do?

    A. Create a user-assigned managed identity and assign role-based access controls.

    B. Create an Azure AD custom role and assign the role to the Azure Blob storage account.

    C. Create an Azure Key Vault and issue a client certificate.

    D. Create a system-assigned managed identity and issue a client certificate.

    E. Create an Azure AD custom role and assign role-based access controls.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 32

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You are developing an application that uses a premium block blob storage account. You are optimizing costs by automating Azure Blob Storage access tiers.

You apply the following policy rules to the storage account. You must determine the implications of applying the rules to the data. (Line numbers are included for reference only.)

```
01 {
02    "rules":
03      {
04        "name": "agingDataRule",
05        "enabled": true,
06        "type": "Lifecycle",
07        "definition":
08          "filters": {
09            "blobTypes": [ "blockBlob" ],
10            "prefixMatch": [ "container1/salesorders", "container2/inventory" ]
11          },
12          "actions": {
13            "baseBlob": {
14              "tierToCool": { "daysAfterModificationGreaterThan": 60 },
15              "tierToArchive": { "daysAfterModificationGreaterThan": 120 }
16            }
17          }
18        }
19      },
20      {
21        "enabled": true,
22        "name": "lastAccessedDataRule",
23        "type": "Lifecycle",
24        "definition": {
25          "actions": {
26            "baseBlob": {
27              "enableAutoTierToHotFromCool": true,
28              "tierToCool": {
29                "daysAfterLastAccessTimeGreaterThan": 30
30              }
31            }
32          },
33          "filters": {
34            "blobTypes": [ "blockBlob" ]
35          }
36        }
37      },
38      {
39        "rules": [
40          {
41            "name": "expirationDataRule",
42            "enabled": true,
43            "type": "Lifecycle",
44            "definition": {
45              "filters": {
46                "blobTypes": [ "blockBlob" ]
47              },
48              "actions": {
49                "baseBlob": {
50                  "delete": { "daysAfterModificationGreaterThan": 730 }
51                }
52              }
53            }
54          }
55        ]
56      }
57    ]
58 }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

	Yes	No
Block blobs prefixed with container1/salesorders or container2/inventory which have not been modified in over 60 days are moved to cool storage. Blobs that have not been modified in 120 days are moved to the archive tier.	○	○
Blobs are moved to cool storage if they have not been accessed for 30 days.	○	○
Blobs will automatically be tiered from cool back to hot if accessed again after being tiered to cool.	○	○
All block blobs older than 730 days will be deleted.	○	○

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 33

Topic #: 4

[All AZ-204 Questions]

You are developing a solution that will use a multi-partitioned Azure Cosmos DB database. You plan to use the latest Azure Cosmos DB SDK for development.

The solution must meet the following requirements:

☞ Send insert and update operations to an Azure Blob storage account.

☞ Process changes to all partitions immediately.

☞ Allow parallelization of change processing.

You need to process the Azure Cosmos DB operations.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. Create an Azure App Service API and implement the change feed estimator of the SDK. Scale the API by using multiple Azure App Service instances.

    B. Create a background job in an Azure Kubernetes Service and implement the change feed feature of the SDK.

    C. Create an Azure Function to use a trigger for Azure Cosmos DB. Configure the trigger to connect to the container.

    D. Create an Azure Function that uses a FeedIterator object that processes the change feed by using the pull model on the container. Use a FeedRange object to parallelize the processing of the change feed across multiple functions.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 34

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You have an Azure Web app that uses Cosmos DB as a data store. You create a CosmosDB container by running the following PowerShell script:

$resourceGroupName = "testResourceGroup"

$accountName = "testCosmosAccount"

$databaseName = "testDatabase"

$containerName = "testContainer"

$partitionKeyPath = "/EmployeeId"

$autoscaleMaxThroughput = 5000

New-AzCosmosDBSqlContainer -

-ResourceGroupName $resourceGroupName

-AccountName $accountName

-DatabaseName $databaseName

-Name $containerName

-PartitionKeyKind Hash

-PartitionKeyPath $partitionKeyPath

-AutoscaleMaxThroughput $autoscaleMaxThroughput

You create the following queries that target the container:

SELECT * FROM c WHERE c.EmployeeId > '12345'

SELECT * FROM c WHERE c.UserID = '12345'

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

	Yes	No
The minimum throughput for the container is 400 R/Us.	○	○
The first query statement is an in-partition query.	○	○
The second query statement is a cross-partition query.	○	○

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 35

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You are developing a web application that makes calls to the Microsoft Graph API. You register the application in the Azure portal and upload a valid X509 certificate.

You create an appsettings.json file containing the certificate name, client identifier for the application, and the tenant identifier of the Azure Active Directory (Azure AD). You create a method named ReadCertificate to return the X509 certificate by name.

You need to implement code that acquires a token by using the certificate.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
AuthenticationConfig config = AuthenticationConfig.ReadFromJsonFile("appsettings.json");
X509Certificate2 certificate = ReadCertificate(config.CertificateName);
var app =                                                      .Create(config.ClientId)
          ┌─────────────────────────────────────────┬──┐
          │                                          │ ∨│
          ├─────────────────────────────────────────┴──┤
          │ ConfidentialClientApplicationBuilder        │
          │ GetAccountAsync()                           │
          │ GetAccountsAsync()                          │
          │ ConfidentialClientApplication               │
          └─────────────────────────────────────────────┘

    .WithCertificate(certificate)
    .WithAuthority(new Uri(config.Authority))
    .Build();
string[] scopes = new string[] { $"{config.ApiUrl}.default" };
AuthenticationResult result = await app.AcquireTokenForClient(
                                       ┌───────────────┬──┐         ).ExecuteAsync();
                                       │               │ ∨│
                                       ├───────────────┴──┤
                                       │ scopes           │
                                       │ app              │
                                       │ config           │
                                       └──────────────────┘
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 36

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You develop a containerized application. You plan to deploy the application to a new Azure Container instance by using a third-party continuous integration and continuous delivery (CI/CD) utility.

The deployment must be unattended and include all application assets. The third-party utility must only be able to push and pull images from the registry. The authentication must be managed by Azure Active Directory (Azure AD). The solution must use the principle of least privilege.

You need to ensure that the third-party utility can access the registry.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Authentication	Option
Registry authentication method	Service principal Individual identity Repository-scoped access token Managed identity for Azure resources
RBAC role	AcrPull Owner AcrPush Contributor

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 37

Topic #: 4

[All AZ-204 Questions]

You deploy an Azure App Service web app. You create an app registration for the app in Azure Active Directory (Azure AD) and Twitter.

The app must authenticate users and must use SSL for all communications. The app must use Twitter as the identity provider.

You need to validate the Azure AD request in the app code.

What should you validate?

A. ID token header

B. ID token signature

C. HTTP response code

D. Tenant ID

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 38

Topic #: 4

[All AZ-204 Questions]

A development team is creating a new REST API. The API will store data in Azure Blob storage. You plan to deploy the API to Azure App Service.

Developers must access the Azure Blob storage account to develop the API for the next two months. The Azure Blob storage account must not be accessible by the developers after the two-month time period.

You need to grant developers access to the Azure Blob storage account.

What should you do?

A. Generate a shared access signature (SAS) for the Azure Blob storage account and provide the SAS to all developers.

B. Create and apply a new lifecycle management policy to include a last accessed date value. Apply the policy to the Azure Blob storage account.

C. Provide all developers with the access key for the Azure Blob storage account. Update the API to include the Coordinated Universal Time (UTC) timestamp for the request header.

D. Grant all developers access to the Azure Blob storage account by assigning role-based access control (RBAC) roles.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 39

Topic #: 4

[All AZ-204 Questions]

DRAG DROP -

You develop a web application.

You need to register the application with an active Azure Active Directory (Azure AD) tenant.

Which three actions should you perform in sequence? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Select **Manifest** from the middle-tier service registration.

In Enterprise Applications, select **New application.**

Add a Cryptographic key.

Create a new application and provide the name, account type, and redirect URI.

Select the Azure AD instance.

Use an access token to access the secure resource.

In App Registrations, select **New registration.**

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 40

Topic #: 4

[All AZ-204 Questions]

You have a new Azure subscription. You are developing an internal website for employees to view sensitive data. The website uses Azure Active Directory (Azure AD) for authentication.

You need to implement multifactor authentication for the website.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. Configure the website to use Azure AD B2C.

    B. In Azure AD, create a new conditional access policy.

    C. Upgrade to Azure AD Premium.

    D. In Azure AD, enable application proxy.

    E. In Azure AD conditional access, enable the baseline policy.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 41

Topic #: 4

[All AZ-204 Questions]

DRAG DROP -

An organization plans to deploy Azure storage services.

You need to configure shared access signature (SAS) for granting access to Azure Storage.

Which SAS types should you use? To answer, drag the appropriate SAS types to the correct requirements. Each SAS type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

SAS types

| Account-level |
| Service-level |
| User delegation |

Answer Area

Requirement	SAS type
Delegate access to resources in one or more of the storage services	
Delegate access to a resource in a single storage service	
Secure a resource by using Azure AD credentials	

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 42

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You are developing an ASP.NET Core app that includes feature flags which are managed by Azure App Configuration. You create an Azure App Configuration store named AppFeatureflagStore as shown in the exhibit:

Key	Label	State	Description	Last modified
Export	Export	Off On	Ability to export data.	6/11/2020, 9:13:26 … •••

You must be able to use the feature in the app by using the following markup:

```
<feature name="Export">
  <li class="nav-item">
    <a class="nav-link text-dark" asp-area="" asp-controller="Home" asp-action="Export">Export Data</a>
  </li>
</feature>
```

You need to update the app to use the feature flag.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Code section	Value
Controller attribute	FeatureGate ▼
	Route
	ServiceFilter
	TypeFilter
Startup method	AddAzureAppConfiguration ▼
	AddControllersWithViews
	AddUserSecrets
AppConfig endpoint setting	https://appfeatureflagstore.azconfig.io ▼
	https://appfeatureflagstore.vault.azure.net
	https://export.azconfig.io
	https://export.vault.azure.net

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 43

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You have a single page application (SPA) web application that manages information based on data returned by Microsoft Graph from another company's Azure Active Directory (Azure AD) instance.

Users must be able to authenticate and access Microsoft Graph by using their own company's Azure AD instance.

You need to configure the application manifest for the app registration.

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

NOTE: Each correct selection is worth one point.

Hot Area:

```
{
    "oauth2AllowImplicitFlow":  [▼]  ,
```
add
false
spa
true

```
    "  [▼]  ":[{
```
addIns
orgRestrictions
availableToOtherTenants
requiredResourceAccess

```
    "resourceAppId": "00000003-0000-0000-c000-000000000000",
    "resourceAccess:[{
        "id" : "24a6cdd6-fab1-4aaf-91b8-3cc8225e90d0",
        "type": "Scope"
    }]}],
    "signInAudience": "  [▼]  "
```
All
AzureADMyOrg
AzureADMultipleOrgs
AzureADandPersonalMicrosoftAccount

```
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 44

Topic #: 4

[All AZ-204 Questions]

You manage a data processing application that receives requests from an Azure Storage queue.

You need to manage access to the queue. You have the following requirements:

☞ Provide other applications access to the Azure queue.

☞ Ensure that you can revoke access to the queue without having to regenerate the storage account keys.

☞ Specify access at the queue level and not at the storage account level.

Which type of shared access signature (SAS) should you use?

    A. Service SAS with a stored access policy

    B. Account SAS

    C. User Delegation SAS

    D. Service SAS with ad hoc SAS

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 45

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You are developing an application to store and retrieve data in Azure Blob storage. The application will be hosted in an on-premises virtual machine (VM). The VM is connected to Azure by using a Site-to-Site VPN gateway connection. The application is secured by using Azure Active Directory (Azure AD) credentials.

The application must be granted access to the Azure Blob storage account with a start time, expiry time, and read permissions. The Azure Blob storage account access must use the Azure AD credentials of the application to secure data access. Data access must be able to be revoked if the client application security is breached.

You need to secure the application access to Azure Blob storage.

Which security features should you use? To answer select the appropriate options in the answer area.

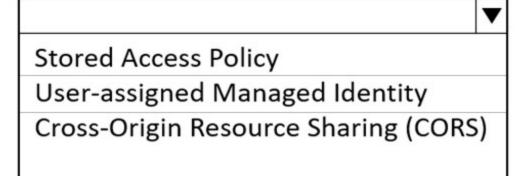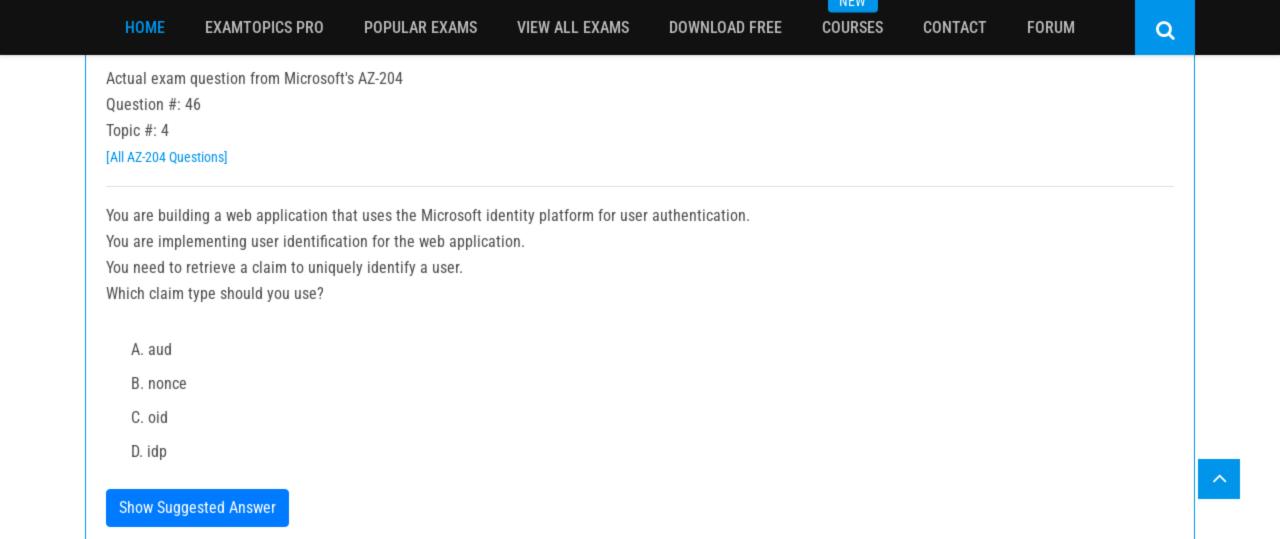NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Component	Security Feature
Application (Client)	▼
	Storage Account Access Key
	System-assigned Managed Identity
	Shared access signature (SAS) token
Azure Storage (Server)	▼
	Stored Access Policy
	User-assigned Managed Identity
	Cross-Origin Resource Sharing (CORS)

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 46

Topic #: 4

[All AZ-204 Questions]

You are building a web application that uses the Microsoft identity platform for user authentication.

You are implementing user identification for the web application.

You need to retrieve a claim to uniquely identify a user.

Which claim type should you use?

A. aud

B. nonce

C. oid

D. idp

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 47

Topic #: 4

[All AZ-204 Questions]

You are developing an Azure Function that calls external APIs by providing an access token for the API. The access token is stored in a secret named token in an Azure Key Vault named mykeyvault.

You need to ensure the Azure Function can access to the token. Which value should you store in the Azure Function App configuration?

A. KeyVault:mykeyvault;Secret:token

B. App:Settings:Secret:mykeyvault:token

C. AZUREKVCONNSTR_ https://mykeyveult.vault.ezure.net/secrets/token/

D. @Microsoft.KeyVault(SecretUri=https://mykeyvault.vault.azure.net/secrets/token/)

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 48

Topic #: 4

[All AZ-204 Questions]

A company maintains multiple web and mobile applications. Each application uses custom in-house identity providers as well as social identity providers.

You need to implement single sign-on (SSO) for all the applications.

What should you do?

A. Use Azure Active Directory B2C (Azure AD B2C) with custom policies.

B. Use Azure Active Directory B2B (Azure AD B2B) and enable external collaboration.

C. Use Azure Active Directory B2C (Azure AD B2C) with user flows.

D. Use Azure Active Directory B2B (Azure AD B2B).

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 49

Topic #: 4

[All AZ-204 Questions]

You develop a Python application for image rendering that uses GPU resources to optimize rendering processes. You deploy the application to an Azure Container Instances (ACI) Linux container.

The application requires a secret value to be passed when the container is started. The value must only be accessed from within the container.

You need to pass the secret value.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. Create an environment variable Set the secureValue property to the secret value.

    B. Add the secret value to the container image. Use a managed identity.

    C. Add the secret value to the application code Set the container startup command.

    D. Add the secret value to an Azure Blob storage account. Generate a SAS token.

    E. Mount a secret volume containing the secret value in a secrets file.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 50

Topic #: 4

[All AZ-204 Questions]

You are developing a user portal for a company.

You need to create a report for the portal that lists information about employees who are subject matter experts for a specific topic. You must ensure that administrators have full control and consent over the data.

Which technology should you use?

- A. Microsoft Graph data connect

- B. Microsoft Graph API

- C. Microsoft Graph connectors

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 51

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You are a developer building a web site using a web app. The web site stores configuration data in Azure App Configuration.

Access to Azure App Configuration has been configured to use the identity of the web app for authentication. Security requirements specify that no other authentication systems must be used.

You need to load configuration data from Azure App Configuration.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
Host .CreateDefaultBuilder(args)
.ConfigureWebHostDefaults(wb =>
{

  wb.ConfigureAppConfiguration((hc, config) =>
  {
    var settings = config.Build();
    config.                                  (options =>
```

| AddAzureKeyVault |
| DefaultAzureCredential |
| ChainedTokenCredential |
| ManagedIdentityCredential |
| AddAzureAppConfiguration |

```
      options.Connect(new Uri(settings["AppConfig:Endpoint"]),
        new                              ()));
```

| AddAzureKeyVault |
| DefaultAzureCredential |
| ChainedTokenCredential |
| ManagedIdentityCredential |
| AddAzureAppConfiguration |

```
  });
})
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 52

Topic #: 4

[All AZ-204 Questions]

HOTSPOT -

You are building an application that stores sensitive customer data in Azure Blob storage. The data must be encrypted with a key that is unique for each customer.

If the encryption key has been corrupted it must not be used for encryption.

You need to ensure that the blob is encrypted.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
Uri blobUri = ... ; TokenCredential c = ...
byte[] key = ...; string verify = ...
var x = new                                              ⌄  ;
```

AesManaged(key)
AsnEncodedData(key)
CustomerProvidedKey(key)
BlobContainerEncryptionScopeOptions { DefaultEncryptionScope = key }

```
if (                                      ⌄  ) {
```

x.IV == verify
x.RawData == verify
x.Encryption == verify
x.PreventEncryptionScopeOverride == verify

```
   var o = new BlobClientOptions()
   {
```

	= x
Version	
Transport	
EncryptionScope	
CustomerProvidedKey	

```
   };
   var blobClient = new BlobClient(blobUri, c, o);
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 53

Topic #: 4

[All AZ-204 Questions]

HOTSPOT

-

You are developing a web application that uses the Microsoft Identity platform for user and resource authentication. The web application called several REST APIs.

You are implementing various authentication and authorization flows for the web application.

You need to validate the claims in the authentication token.

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

NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Token type
Identify users for the application by using a JWT token that contains claims.	▼ Access ID Refresh SAML
Identify the permissions granted to APIs by using a JWT token that contains claims.	▼ Access ID Refresh SAML
Provide the web application with long-term access to resources on behalf of users without requiring interaction with those users.	▼ Access ID Refresh SAML
Provide XML representations of claims that can be consumed by applications that use WS-Federation.	▼ Access ID Refresh SAML

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 54

Topic #: 4

[All AZ-204 Questions]

HOTSPOT

-

You are developing a content management application for technical manuals. The application is deployed as an Azure Static Web app.

Authenticated users can view pages under/manuals but only contributors can access the page /manuals/new.html.

You need to configure the routing for the web app.

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

NOTE: Each correct selection is worth one point.

Answer Area

```
"routes": [
  {
    "route": "  [         ▼ ]  ",
            /manuals*
            contributors
            authenticated
            /manuals/new.html
    "allowedRoles": ["  [         ▼ ]  "]
            /manuals*
            contributors
            authenticated
            /manuals/new.html
  },
  {
    "route": "  [         ▼ ]  ",
            /manuals*
            contributors
            authenticated
            /manuals/new.html
    "allowedRoles": ["  [         ▼ ]  "]
            /manuals*
            contributors
            authenticated
            /manuals/new.html
  }
]
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 55

Topic #: 4

[All AZ-204 Questions]

You are developing a web application that uses the Microsoft identity platform for user and resource authentication. The web application calls several REST APIs.

A REST API call must read the user's calendar. The web application requires permission to send an email as the user.

You need to authorize the web application and the API.

Which parameter should you use?

  A. tenant

  B. code_challenge

  C. state

  D. client_id

  E. scope

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 56

Topic #: 4

[All AZ-204 Questions]

HOTSPOT

-

You develop and deploy a web app to Azure App service. The web app allows users to authenticate by using social identity providers through the Azure B2C service. All user profile information is stored in Azure B2C.

You must update the web app to display common user properties from Azure B2C to include the following information:

• Email address
• Job title
• First name
• Last name
• Office location

You need to implement the user properties in the web app.

Which code library and API should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Requirement	Value
API to access user properties	▼
	Microsoft Graph
	Azure AD Graph
	Azure Key Vault
	Azure AD entitlement management
Code library to interface to Azure AD B2C	▼
	Microsoft Authentication Library (MSAL)
	Microsoft Azure Key Vault SDK
	Azure Identity library

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 57

Topic #: 4

[All AZ-204 Questions]

HOTSPOT
-

You develop and deploy the following staticwebapp.config.json file to the app_location value specified in the workflow file of an Azure Static Web app:

```
{
  "routes": [
    {
      "route": "/api/*",
      "methods": ["GET"],
      "allowedRoles": ["registeredusers"]
    },
    {
      "route": "/api/*",
      "methods": ["PUT", "POST", "PATCH", "DELETE"],
      "allowedRoles": ["administrator"]
    },
    {
      "route": "/login",
      "rewrite": "/.auth/login/github"
    },
    {
      "route": "/.auth/login/twitter",
      "statusCode": 404
    },
    {
      "route": "/logout",
      "redirect": "/.auth/logout"
    }
  ],
  "navigationFallback": {
    "rewrite": "index.html",
    "exclude": ["/images/*.{png,jpg,gif}", "/css/*"]
  },
  "responseOverrides": {
    "400": {
      "rewrite": "/invalid-invitation-error.html"
    },
    "401": {
      "redirect": "/.auth/login/aad",
      "statusCode": 302
    },
    "403": {
      "rewrite": "/forbidden.html"
    },
    "404": {
      "rewrite": "/404.html"
    }
  },
  "mimeTypes": {
    ".json": "text/json"
  }
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Unauthenticated users are challenged to authenticate with GitHub.	○	○
A non-existent file in the /images/ folder will generate a 404 response code.	○	○
HTTP GET method requests from authenticated users in the role named **registeredusers** are sent to the API folder.	○	○
Authenticated users that are not in the role named **registeredusers** and unauthenticated users are served a 401 HTTP error when accessing the API folder.	○	○

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 58

Topic #: 4

[All AZ-204 Questions]

You develop and deploy an Azure App Service web app named App1. You create a new Azure Key Vault named Vault1. You import several API keys, passwords, certificates, and cryptographic keys into Vault1.

You need to grant App1 access to Vault1 and automatically rotate credentials. Credentials must not be stored in code.

What should you do?

A. Enable App Service authentication for Appl. Assign a custom RBAC role to Vault1.

B. Add a TLS/SSL binding to App1.

C. Upload a self-signed client certificate to Vault1. Update App1 to use the client certificate.

D. Assign a managed identity to App1.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 59

Topic #: 4

[All AZ-204 Questions]

You are developing a Java application to be deployed in Azure. The application stores sensitive data in Azure Cosmos DB.

You need to configure Always Encrypted to encrypt the sensitive data inside the application.

What should you do first?

    A. Create a new container to include an encryption policy with the JSON properties to be encrypted.

    B. Create a customer-managed key (CMK) and store the key in a new Azure Key Vault instance.

    C. Create a data encryption key (DEK) by using the Azure Cosmos DB SDK and store the key in Azure Cosmos DB.

    D. Create an Azure AD managed identity and assign the identity to a new Azure Key Vault instance.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 60

Topic #: 4

[All AZ-204 Questions]

HOTSPOT

-

You develop a web app that interacts with Azure Active Directory (Azure AD) groups by using Microsoft Graph.

You build a web page that shows all Azure AD groups that are not of the type 'Unified'.

You need to build the Microsoft Graph query for the page.

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

NOTE: Each correct selection is worth one point.

Answer Area

https://graph.microsoft.com/v1.0/groups? [▼] = [▼]

| filter |
| search |
| contain |

| groupTypes/any(s:s ne 'Unified') |
| not groupTypes/contains('Unified') |
| not groupTypes/any(s:s eq 'Unified') |
| groupTypes/contains('Unified') eq false |

&$ [▼]

| $top=true |
| $count=true |
| $filter=nested |
| $consistencylevel=eventual |

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 61

Topic #: 4

[All AZ-204 Questions]

DRAG DROP

-

You are developing an Azure solution.

You need to develop code to access a secret stored in Azure Key Vault.

How should you complete the code segment? To answer, drag the appropriate code segments to the correct location. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Code segments

```
DefaultAzureCredential
```

```
ClientSecretCredential
```

```
CloudClients
```

```
SecretClient
```

Answer area

```
def get_secret():

    var1 = os.environ.get("KEY_VAULT_URI")

    var2 = [          ] ( var1 , [          ] ())

    var3 = var2.get_secret("secret" )

    return "secret value {}" .format(var3.value)
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 62

Topic #: 4

[All AZ-204 Questions]

HOTSPOT

-

You are a developer building a web site using a web app. The web site stores configuration data in Azure App Configuration.

Access to Azure App Configuration has been configured to use the identity of the web app for authentication. Security requirements specify that no other authentication systems must be used.

You need to load configuration data from Azure App Configuration.

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

NOTE: Each correct selection is worth one point.

```
from azure.identity import  [                    ▼ ]
                            DefaultAzureCredential
                            ChainedTokenCredential
                            ManagedIdentityCredential
                            AddAzureAppConfiguration


from azure.app configuration import  [                    ▼ ]
                                     DefaultAzureCredential
                                     ChainedTokenCredential
                                     ManagedIdentityCredential
                                     AddAzureAppConfiguration


credential = [                    ▼ ]  ()
             DefaultAzureCredential
             ChainedTokenCredential
             ManagedIdentityCredential
             AddAzureAppConfiguration


client = [                    ▼ ] (base_url="...", credential=credential)
         DefaultAzureCredential
         ChainedTokenCredential
         ManagedIdentityCredential
         AddAzureAppConfiguration
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 63

Topic #: 4

[All AZ-204 Questions]

You are developing several microservices to deploy to a new Azure Kubernetes Service cluster. The microservices manage data stored in Azure Cosmos DB and Azure Blob storage. The data is secured by using customer-managed keys stored in Azure Key Vault.

You must automate key rotation for all Azure Key Vault keys and allow for manual key rotation. Keys must rotate every three months. Notifications of expiring keys must be sent before key expiry.

You need to configure key rotation and enable key expiry notifications.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create and configure a new Azure Event Grid instance.
- B. Configure Azure Key Vault alerts.
- C. Create and assign an Azure Key Vault access policy.
- D. Create and configure a key rotation policy during key creation.

Show Suggested Answer

^

Actual exam question from Microsoft's AZ-204

Question #: 64

Topic #: 4

[All AZ-204 Questions]

You are developing a web application that uses the Microsoft identity platform to authenticate users and resources. The web application calls several REST APIs.

The APIs require an access token from the Microsoft identity platform.

You need to request a token.

Which three properties should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. Redirect URI/URL

    B. Application ID

    C. Application name

    D. Application secret

    E. Supported account type

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 65

Topic #: 4

[All AZ-204 Questions]

HOTSPOT

-

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 Area

```
$h = $(az keyvault show --hsm-name … --query "properties.hsmUri"
$x = az keyvault [          ▾] list-versions --name ""
                  key
                  secret
                  recover
                  certificate
  --vault-name "" --query "[0].kid"
az storage account update
  --name … \
  --resource-group … \
  --encryption-key-name … \
  --encryption-key-version $x \
  --encryption-key-source [              ▾]
                           Microsoft.Secret
                           Microsoft.Storage
                           Microsoft.Keyvault
                           Microsoft.Certificate
  --encryption-key-vault $h
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 66

Topic #: 4

[All AZ-204 Questions]

You are developing several Azure API Management (APIM) hosted APIs.

You must transform the APIs to hide private backend information and obscure the technology stack used to implement the backend processing.

You need to protect all APIs.

What should you do?

A. Configure and apply a new inbound policy scoped to a product.

B. Configure and apply a new outbound policy scoped to the operation.

C. Configure and apply a new outbound policy scoped to global.

D. Configure and apply a new backend policy scoped to global.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 67

Topic #: 4

[All AZ-204 Questions]

HOTSPOT

-

You are developing an Azure Function App named App1. You also plan to use cross-origin requests (CORS).

You have the following requirements:

• App1 functions must securely access an Azure Blob Storage account.
• Access to the Azure Blob Storage account must not require the provisioning or rotation of secrets.
• JavaScript code running in a browser on an external host must not be allowed to interact with the function.

You need to implement App1.

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

NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Configuration value
Azure Blob Storage access	Client secret credentials User-assigned managed identity System-assigned managed identity
Disallow access from other domains	Configure CORS allowed origins to * Configure CORS allowed origins to none Configure CORS allowed origins to disable

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 68

Topic #: 4

[All AZ-204 Questions]

HOTSPOT

-

You develop a containerized application. The application must be deployed to an existing Azure Kubernetes Service (AKS) cluster from an Azure Container Registry (ACR) instance. You use the Azure command-line interface (Azure CLI) to deploy the application image to AKS.

Images must be pulled from the registry. You must be able to view all registries within the current Azure subscription. Authentication must be managed by Microsoft Entra ID and removed when the registry is deleted. The solution must use the principle of least privilege.

You need to configure authentication to the registry.

Which authentication configuration should you use? To answer, select the appropriate configuration values in the answer area,

NOTE: Each correct selection is worth one point.

Answer Area

Authentication	**Configuration Value**
Registry authentication method	▼
	Service principal
	Repository-scoped access token
	User-assigned managed identity
	System-assigned managed identity
Registry Azure role-based access control (Azure RBAC) role	▼
	Reader
	AcrPush
	AcrPull
	Contributor

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 69

Topic #: 4

[All AZ-204 Questions]

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

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To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

Background -

Munson's Pickles and Preserves Farm is an agricultural cooperative corporation based in Washington, US, with farms located across the United States. The company supports agricultural production resources by distributing seeds fertilizers, chemicals, fuel, and farm machinery to the farms.

Current Environment -

The company is migrating all applications from an on-premises datacenter to Microsoft Azure. Applications support distributors, farmers, and internal company staff.

Corporate website -
• The company hosts a public website located at http://www.munsonspicklesandpreservesfarm.com. The site supports farmers and distributors who request agricultural production resources.

Farms -
• The company created a new customer tenant in the Microsoft Entra admin center to support authentication and authorization for applications.

Distributors -
• Distributors integrate their applications with data that is accessible by using APIs hosted at http://www.munsonspicklesandpreservesfarm.com/api to receive and update resource data.

Requirements -

The application components must meet the following requirements:

Corporate website -
• The site must be migrated to Azure App Service.
• Costs must be minimized when hosting in Azure.
• Applications must automatically scale independent of the compute resources.
• All code changes must be validated by internal staff before release to production.
• File transfer speeds must improve, and webpage-load performance must increase.
• All site settings must be centrally stored, secured without using secrets, and encrypted at rest and in transit.
• A queue-based load leveling pattern must be implemented by using Azure Service Bus queues to support high volumes of website agricultural production resource requests.

Farms -
• Farmers must authenticate to applications by using Microsoft Entra ID.

Distributors -
• The company must track a custom telemetry value with each API call and monitor performance of all APIs.
• API telemetry values must be charted to evaluate variations and trends for resource data.

Internal staff -
• App and API updates must be validated before release to production.
• Staff must be able to select a link to direct them back to the production app when validating an app or API update.
• Staff profile photos and email must be displayed on the website once they authenticate to applications by using their Microsoft Entra ID.

Security -
• All web communications must be secured by using TLS/HTTPS.
• Web content must be restricted by country/region to support corporate compliance standards.
• The principle of least privilege must be applied when providing any user rights or process access rights.
• Managed identities for Azure resources must be used to authenticate services that support Microsoft Entra ID authentication.

Issues -

Corporate website -
• Farmers report HTTP 503 errors at the same time as internal staff report that CPU and memory usage are high.
• Distributors report HTTP 502 errors at the same time as internal staff report that average response times and networking traffic are high.
• Internal staff report webpage load sizes are large and take a long time to load.
• Developers receive authentication errors to Service Bus when they debug locally.

Distributors -
• Many API telemetry values are sent in a short period of time. Telemetry traffic, data costs, and storage costs must be reduced while preserving a statistically correct analysis of the data points sent by the APIs.

You need to implement farmer authentication.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. Add the shared access signature (SAS) token to the app.

    B. Create a shared access signature (SAS) token.

    C. Create a user flow.

    D. Add the app to the user flow.

    E. Register the app in Microsoft Entra ID.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 70
Topic #: 4

[All AZ-204 Questions]

Case study -

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• Developers receive authentication errors to Service Bus when they debug locally.

Distributors -
• Many API telemetry values are sent in a short period of time. Telemetry traffic, data costs, and storage costs must be reduced while preserving a statistically correct analysis of the data points sent by the APIs.

You need to secure the corporate website to meet the security requirements.

What should you do?

   A. Create an Azure Cache for Redis instance. Update the code to support the cache.

   B. Create an Azure Content Delivery Network profile and endpoint. Configure the endpoint.

   C. Create an App Service instance with a standard plan. Configure the custom domain with a TLS/SSL certificate.

   D. Create an Azure Application Gateway with a Web Application Firewall (WAF). Configure end-to-end TLS encryption and the WAF.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204
Question #: 71
Topic #: 4
[All AZ-204 Questions]

HOTSPOT
-

Case study
-

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-

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-

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-

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Internal staff
-

• App and API updates must be validated before release to production.
• Staff must be able to select a link to direct them back to the production app when validating an app or API update.
• Staff profile photos and email must be displayed on the website once they authenticate to applications by using their Microsoft Entra ID.

Security
-

• All web communications must be secured by using TLS/HTTPS.
• Web content must be restricted by country/region to support corporate compliance standards.
• The principle of least privilege must be applied when providing any user rights or process access rights.
• Managed identities for Azure resources must be used to authenticate services that support Microsoft Entra ID authentication.

Issues
-

Corporate website
-

• Farmers report HTTP 503 errors at the same time as internal staff report that CPU and memory usage are high.
• Distributors report HTTP 502 errors at the same time as internal staff report that average response times and networking traffic are high.
• Internal staff report webpage load sizes are large and take a long time to load.
• Developers receive authentication errors to Service Bus when they debug locally.

Distributors
-

• Many API telemetry values are sent in a short period of time. Telemetry traffic, data costs, and storage costs must be reduced while preserving a statistically correct analysis of the data points sent by the APIs.

You need to display the profile photo and email for signed-in internal staff on the website.

Which Microsoft Graph configuration should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Microsoft Graph configuration

Configuration setting	Configuration value
Endpoint	[dropdown]
	/v1.0/me
	/v1.0/me/people/?$search=me
	/v1.0/users?$select=profilePhoto,mail
Permission	[dropdown]
	User.Read
	User.Export.All
	User.ReadWrite
	User.ManageIdentities.All

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 72
Topic #: 4

[All AZ-204 Questions]

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -
To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

Background -

Munson's Pickles and Preserves Farm is an agricultural cooperative corporation based in Washington, US, with farms located across the United States. The company supports agricultural production resources by distributing seeds fertilizers, chemicals, fuel, and farm machinery to the farms.

Current Environment -

The company is migrating all applications from an on-premises datacenter to Microsoft Azure. Applications support distributors, farmers, and internal company staff.

Corporate website -
• The company hosts a public website located at http://www.munsonspicklesandpreservesfarm.com. The site supports farmers and distributors who request agricultural production resources.

Farms -
• The company created a new customer tenant in the Microsoft Entra admin center to support authentication and authorization for applications.

Distributors -
• Distributors integrate their applications with data that is accessible by using APIs hosted at http://www.munsonspicklesandpreservesfarm.com/api to receive and update resource data.

Requirements -

The application components must meet the following requirements:

Corporate website -
• The site must be migrated to Azure App Service.
• Costs must be minimized when hosting in Azure.
• Applications must automatically scale independent of the compute resources.
• All code changes must be validated by internal staff before release to production.
• File transfer speeds must improve, and webpage-load performance must increase.
• All site settings must be centrally stored, secured without using secrets, and encrypted at rest and in transit.
• A queue-based load leveling pattern must be implemented by using Azure Service Bus queues to support high volumes of website agricultural production resource requests.

Farms -
• Farmers must authenticate to applications by using Microsoft Entra ID.

Distributors -
• The company must track a custom telemetry value with each API call and monitor performance of all APIs.
• API telemetry values must be charted to evaluate variations and trends for resource data.

Internal staff -
• App and API updates must be validated before release to production.
• Staff must be able to select a link to direct them back to the production app when validating an app or API update.
• Staff profile photos and email must be displayed on the website once they authenticate to applications by using their Microsoft Entra ID.

Security -
• All web communications must be secured by using TLS/HTTPS.
• Web content must be restricted by country/region to support corporate compliance standards.
• The principle of least privilege must be applied when providing any user rights or process access rights.
• Managed identities for Azure resources must be used to authenticate services that support Microsoft Entra ID authentication.

Issues -

Corporate website -
• Farmers report HTTP 503 errors at the same time as internal staff report that CPU and memory usage are high.
• Distributors report HTTP 502 errors at the same time as internal staff report that average response times and networking traffic are high.
• Internal staff report webpage load sizes are large and take a long time to load.
• Developers receive authentication errors to Service Bus when they debug locally.

Distributors -
• Many API telemetry values are sent in a short period of time. Telemetry traffic, data costs, and storage costs must be reduced while preserving a statistically correct analysis of the data points sent by the APIs.

You need to configure all site configuration settings for the corporate website.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. Create a managed identity.

    B. Update the role assignments for the Azure Key Vault.

    C. Create an Azure App Configuration store.

    D. Update the role assignments for the Azure App Configuration store.

    E. Create an Azure Key Vault.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 73

Topic #: 4

[All AZ-204 Questions]

You are developing an application that uses keys stored in Azure Key Vault.

You need to enforce a specific cryptographic algorithm and key size for keys stored in the vault.

What should you use?

- A. Secret versioning

- B. Azure Policy

- C. Key Vault Firewall

- D. Access policies

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 1

Topic #: 5

[All AZ-204 Questions]

DRAG DROP -

You develop a web app that uses the tier D1 app service plan by using the Web Apps feature of Microsoft Azure App Service.

Spikes in traffic have caused increases in page load times.

You need to ensure that the web app automatically scales when CPU load is about 85 percent and minimize costs.

Which four 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.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:

Actions

Configure the web app to the Premium App Service tier.

Configure the web app to the Standard App Service tier.

Enable autoscaling on the web app.

Add a Scale rule.

Switch to an Azure App Services consumption plan.

Configure a Scale condition.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 2

Topic #: 5

[All AZ-204 Questions]

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

You are developing and deploying several ASP.NET web applications to Azure App Service. You plan to save session state information and HTML output.

You must use a storage mechanism with the following requirements:

☞ Share session state across all ASP.NET web applications.

☞ Support controlled, concurrent access to the same session state data for multiple readers and a single writer.

☞ Save full HTTP responses for concurrent requests.

You need to store the information.

Proposed Solution: Enable Application Request Routing (ARR).

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 3

Topic #: 5

[All AZ-204 Questions]

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

You are developing and deploying several ASP.NET web applications to Azure App Service. You plan to save session state information and HTML output.

You must use a storage mechanism with the following requirements:

☞ Share session state across all ASP.NET web applications.

☞ Support controlled, concurrent access to the same session state data for multiple readers and a single writer.

☞ Save full HTTP responses for concurrent requests.

You need to store the information.

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

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 4

Topic #: 5

[All AZ-204 Questions]

HOTSPOT -

A company is developing a gaming platform. Users can join teams to play online and see leaderboards that include player statistics. The solution includes an entity named Team.

You plan to implement an Azure Redis Cache instance to improve the efficiency of data operations for entities that rarely change.

You need to invalidate the cache when team data is changed.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
void ClearCachedTeams()

{
    ┌──────────────────────────────────────────▼─┐
    │ IDatabase cache = Connection.GetDatabase(); │
    │ ICache cache = Connection.GetDatabase();    │
    └─────────────────────────────────────────────┘

    ┌──────────────────────────────────────────▼─┐
    │ cache.KeyDelete("Team");                    │
    │ cache.StringSet("Team", "");                │
    │ cache.ValueDelete("Team");                  │
    │ cache.StringGet("Team", "");                │
    └─────────────────────────────────────────────┘

    ViewBag.msg += "Team data removed from cache.";
}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 5

Topic #: 5

[All AZ-204 Questions]

DRAG DROP -

A company has multiple warehouses. Each warehouse contains IoT temperature devices which deliver temperature data to an Azure Service Bus queue.

You need to send email alerts to facility supervisors immediately if the temperature at a warehouse goes above or below specified threshold temperatures.

Which five 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.

Select and Place:

Actions

Add a logic app trigger that fires when one or more messages arrive in the queue.

Add a Recurrence trigger that schedules the app to run every 15 minutes.

Add an action that sends an email to specified personnel if the temperature is outside of those thresholds.

Add a trigger that reads IoT temperature data from a Service Bus queue.

Add a logic app action that fires when one or more messages arrive in the queue.

Add a condition that compares the temperature against the upper and lower thresholds.

Create a blank Logic app.

Add an action that reads IoT temperature data from the Service Bus queue.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 6

Topic #: 5

[All AZ-204 Questions]

DRAG DROP -

You develop an ASP.NET Core MVC application. You configure the application to track webpages and custom events.

You need to identify trends in application usage.

Which Azure Application Insights Usage Analysis features should you use? To answer, drag the appropriate features to the correct requirements. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Features

| Users |
| Funnels |
| Impact |
| Retention |
| User Flows |

Answer Area

Requirement	Feature
Which pages visited by users most often correlate to a product purchase?	Feature
How does load time of the product display page affect a user's decision to purchase a product?	Feature
Which events most influence a user's decision to continue to use the application?	Feature
Are there places in the application that users often perform repetitive actions?	Feature

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 7

Topic #: 5

[All AZ-204 Questions]

You develop a gateway solution for a public facing news API. The news API back end is implemented as a RESTful service and uses an OpenAPI specification.

You need to ensure that you can access the news API by using an Azure API Management service instance.

Which Azure PowerShell command should you run?

A. Import-AzureRmApiManagementApi -Context $ApiMgmtContext -SpecificationFormat "Swagger" -SpecificationPath $SwaggerPath -Path $Path

B. New-AzureRmApiManagementBackend -Context $ApiMgmtContext -Url $Url -Protocol http

C. New-AzureRmApiManagement -ResourceGroupName $ResourceGroup -Name $Name ג€"Location $Location -Organization $Org -AdminEmail $AdminEmail

D. New-AzureRmApiManagementBackendProxy -Url $ApiUrl

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 8

Topic #: 5

[All AZ-204 Questions]

You are creating a hazard notification system that has a single signaling server which triggers audio and visual alarms to start and stop.

You implement Azure Service Bus to publish alarms. Each alarm controller uses Azure Service Bus to receive alarm signals as part of a transaction. Alarm events must be recorded for audit purposes. Each transaction record must include information about the alarm type that was activated.

You need to implement a reply trail auditing solution.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. Assign the value of the hazard message SessionID property to the ReplyToSessionId property.

    B. Assign the value of the hazard message MessageId property to the DevileryCount property.

    C. Assign the value of the hazard message SessionID property to the SequenceNumber property.

    D. Assign the value of the hazard message MessageId property to the CorrelationId property.

    E. Assign the value of the hazard message SequenceNumber property to the DeliveryCount property.

    F. Assign the value of the hazard message MessageId property to the SequenceNumber property.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 9

Topic #: 5

[All AZ-204 Questions]

You are developing an Azure function that connects to an Azure SQL Database instance. The function is triggered by an Azure Storage queue.

You receive reports of numerous System.InvalidOperationExceptions with the following message:

`Timeout expired. The timeout period elapsed prior to obtaining a connection from the pool. This may have occurred because all pooled connections were in use and max pool size was reached.`

You need to prevent the exception.

What should you do?

    A. In the host.json file, decrease the value of the batchSize option

    B. Convert the trigger to Azure Event Hub

    C. Convert the Azure Function to the Premium plan

    D. In the function.json file, change the value of the type option to queueScaling

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 10

Topic #: 5

[All AZ-204 Questions]

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

You are developing and deploying several ASP.NET web applications to Azure App Service. You plan to save session state information and HTML output.

You must use a storage mechanism with the following requirements:

☞ Share session state across all ASP.NET web applications.

☞ Support controlled, concurrent access to the same session state data for multiple readers and a single writer.

☞ Save full HTTP responses for concurrent requests.

You need to store the information.

Proposed Solution: Deploy and configure Azure Cache for Redis. Update the web applications.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 11

Topic #: 5

[All AZ-204 Questions]

HOTSPOT -

You are debugging an application that is running on Azure Kubernetes cluster named cluster1. The cluster uses Azure Monitor for containers to monitor the cluster.

The application has sticky sessions enabled on the ingress controller.

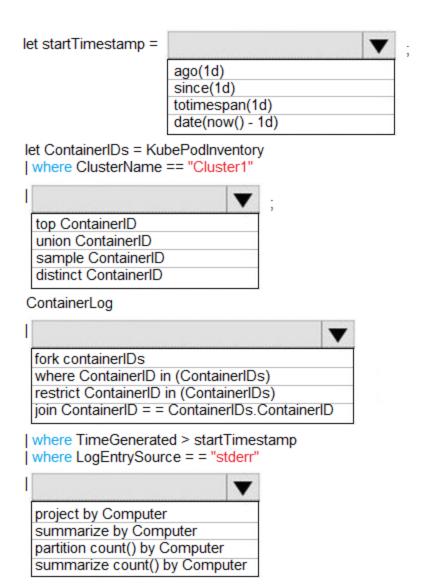Some customers report a large number of errors in the application over the last 24 hours.

You need to determine on which virtual machines (VMs) the errors are occurring.

How should you complete the Azure Monitor query? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
let startTimestamp =  [                  ▼ ]  ;
                         ago(1d)
                         since(1d)
                         totimespan(1d)
                         date(now() - 1d)

let ContainerIDs = KubePodInventory
| where ClusterName == "Cluster1"

|  [              ▼ ]  ;
   top ContainerID
   union ContainerID
   sample ContainerID
   distinct ContainerID

ContainerLog

|  [                  ▼ ]
   fork containerIDs
   where ContainerID in (ContainerIDs)
   restrict ContainerID in (ContainerIDs)
   join ContainerID = = ContainerIDs.ContainerID

| where TimeGenerated > startTimestamp
| where LogEntrySource = = "stderr"

|  [                  ▼ ]
   project by Computer
   summarize by Computer
   partition count() by Computer
   summarize count() by Computer
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 12

Topic #: 5

[All AZ-204 Questions]

HOTSPOT -

You plan to deploy a web app to App Service on Linux. You create an App Service plan. You create and push a custom Docker image that contains the web app to Azure Container Registry.
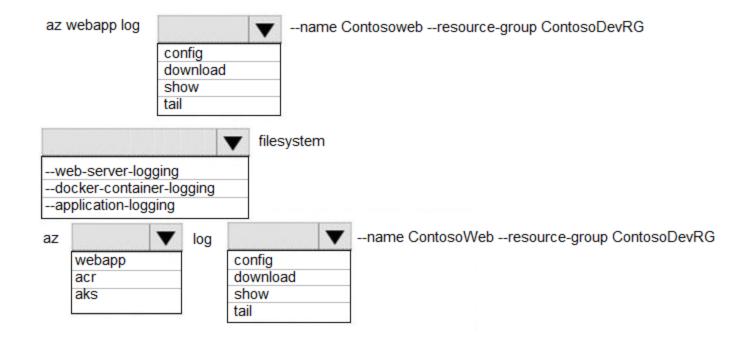
You need to access the console logs generated from inside the container in real-time.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

az webapp log [▼] --name Contosoweb --resource-group ContosoDevRG

| config |
| download |
| show |
| tail |

[▼] filesystem

| --web-server-logging |
| --docker-container-logging |
| --application-logging |

az [▼] log [▼] --name ContosoWeb --resource-group ContosoDevRG

| webapp |
| acr |
| aks |

| config |
| download |
| show |
| tail |

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 13

Topic #: 5

[All AZ-204 Questions]

You develop and deploy an ASP.NET web app to Azure App Service. You use Application Insights telemetry to monitor the app.

You must test the app to ensure that the app is available and responsive from various points around the world and at regular intervals. If the app is not responding, you must send an alert to support staff.

You need to configure a test for the web app.

Which two test types can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

    A. integration

    B. multi-step web

    C. URL ping

    D. unit

    E. load

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 14

Topic #: 5

[All AZ-204 Questions]

DRAG DROP -

A web service provides customer summary information for e-commerce partners. The web service is implemented as an Azure Function app with an HTTP trigger.

Access to the API is provided by an Azure API Management instance. The API Management instance is configured in consumption plan mode. All API calls are authenticated by using OAuth.

API calls must be cached. Customers must not be able to view cached data for other customers.

You need to configure API Management policies for caching.

How should you complete the policy statement?

Select and Place:

Targets   **Answer Area**

| Expect |

| Public |

| Private |

| Internal |

| External |

| Authorization |

```
<policies>
  <inbound>
    <base />
    <cache-lookup caching-type="     Target     "  downstream-caching-type  = "     Target     " >
      <vary-by-header>
            Target
      </vary-by-header>
    </cache-lookup>
  </inbound>
</policies>
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 15

Topic #: 5

[All AZ-204 Questions]

You are developing applications for a company. You plan to host the applications on Azure App Services.

The company has the following requirements:

☞ Every five minutes verify that the websites are responsive.

☞ Verify that the websites respond within a specified time threshold. Dependent requests such as images and JavaScript files must load properly.

☞ Generate alerts if a website is experiencing issues.

☞ If a website fails to load, the system must attempt to reload the site three more times.

You need to implement this process with the least amount of effort.

What should you do?

    A. Create a Selenium web test and configure it to run from your workstation as a scheduled task.

    B. Set up a URL ping test to query the home page.

    C. Create an Azure function to query the home page.

    D. Create a multi-step web test to query the home page.

    E. Create a Custom Track Availability Test to query the home page.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 16

Topic #: 5

[All AZ-204 Questions]

You develop and add several functions to an Azure Function app that uses the latest runtime host. The functions contain several REST API endpoints secured by using SSL. The Azure Function app runs in a Consumption plan.

You must send an alert when any of the function endpoints are unavailable or responding too slowly.

You need to monitor the availability and responsiveness of the functions.

What should you do?

A. Create a URL ping test.

B. Create a timer triggered function that calls TrackAvailability() and send the results to Application Insights.

C. Create a timer triggered function that calls GetMetric("Request Size") and send the results to Application Insights.

D. Add a new diagnostic setting to the Azure Function app. Enable the FunctionAppLogs and Send to Log Analytics options.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 17

Topic #: 5

[All AZ-204 Questions]

DRAG DROP -

You are developing an application to retrieve user profile information. The application will use the Microsoft Graph SDK.

The app must retrieve user profile information by using a Microsoft Graph API call.

You need to call the Microsoft Graph API from the application.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Create an authentication provider.

Create a new instance of the GraphServiceClient.

Invoke the request to the Microsoft Graph API.

Register the application with the Microsoft identity platform.

Build a client by using the client app ID.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 18

Topic #: 5

[All AZ-204 Questions]

DRAG DROP -

You develop and deploy an Azure Logic App that calls an Azure Function app. The Azure Function App includes an OpenAPI (Swagger) definition and uses an Azure Blob storage account. All resources are secured by using Azure Active Directory (Azure AD).

The Logic App must use Azure Monitor logs to record and store information about runtime data and events. The logs must be stored in the Azure Blob storage account.

You need to set up Azure Monitor logs and collect diagnostics data for the Azure Logic App.

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.

Select and Place:

Actions

Create action groups and alert rules.

Create a Log Analytics workspace.

Install the Logic Apps Management solution.

Add a diagnostic setting to the Azure Function App.

Create an Azure storage account.

Add a diagnostic setting to the Azure Logic App.

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 19

Topic #: 5

[All AZ-204 Questions]

DRAG DROP -

You develop an application. You plan to host the application on a set of virtual machines (VMs) in Azure.

You need to configure Azure Monitor to collect logs from the application.

Which four 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.

Select and Place:

Actions

| Create a Log Analytics workspace. |

| Install agents on the VM and VM scale set to be monitored. |

| Send console logs. |

| Add a VMInsights solution. |

| Create an Application Insights resource. |

Answer Area

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 20

Topic #: 5

[All AZ-204 Questions]

You develop and deploy an Azure App Service web app. The app is deployed to multiple regions and uses Azure Traffic Manager. Application Insights is enabled for the app.

You need to analyze app uptime for each month.

Which two solutions will achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

   A. Azure Monitor logs

   B. Application Insights alerts

   C. Azure Monitor metrics

   D. Application Insights web tests

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 21

Topic #: 5

[All AZ-204 Questions]

DRAG DROP -

You develop and deploy an Azure App Service web app. The web app accesses data in an Azure SQL database.

You must update the web app to store frequently used data in a new Azure Cache for Redis Premium instance.

You need to implement the Azure Cache for Redis features.

Which feature should you implement? To answer, drag the appropriate feature to the correct requirements. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Features	Requirement	Feature
horizontal partitioning	Create a data structure for storing collections of related items	Feature
channel	Create a data structure for the most recently accessed cache items	Feature
list	Send messages through a high-performance publisher/subscriber mechanism	Feature
set		

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 22

Topic #: 5

[All AZ-204 Questions]

You are developing an ASP.NET Core Web API web service. The web service uses Azure Application Insights for all telemetry and dependency tracking. The web service reads and writes data to a database other than Microsoft SQL Server.

You need to ensure that dependency tracking works for calls to the third-party database.

Which two dependency telemetry properties should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. Telemetry.Context.Cloud.RoleInstance

    B. Telemetry.Id

    C. Telemetry.Name

    D. Telemetry.Context.Operation.Id

    E. Telemetry.Context.Session.Id

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 23

Topic #: 5

[All AZ-204 Questions]

HOTSPOT -

You are using Azure Front Door Service.

You are expecting inbound files to be compressed by using Brotli compression. You discover that inbound XML files are not compressed. The files are 9 megabytes (MB) in size.

You need to determine the root cause for the issue.

To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statement	Yes	No
The file MIME type is supported by the service.	○	○
Edge nodes must be purged of all cache assets.	○	○
The compression type is supported.	○	○

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 24

Topic #: 5

[All AZ-204 Questions]

HOTSPOT -

You are developing an Azure App Service hosted ASP.NET Core web app to deliver video-on-demand streaming media. You enable an Azure Content Delivery Network (CDN) Standard for the web endpoint. Customer videos are downloaded from the web app by using the following example URL: http://www.contoso.com/ content.mp4?quality=1.

All media content must expire from the cache after one hour. Customer videos with varying quality must be delivered to the closest regional point of presence (POP) node.

You need to configure Azure CDN caching rules.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Setting	Action
Caching behavior	Bypass cache / Override / Set if missing
Cache expiration duration	1 second / 1 minute / 1 hour / 1 day
Query string caching behavior	Ignore query strings / Bypass caching for query strings / Cache every unique URL

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 25

Topic #: 5

[All AZ-204 Questions]

HOTSPOT -

You are developing an ASP.NET Core time sheet application that runs as an Azure Web App. Users of the application enter their time sheet information on the first day of every month.

The application uses a third-party web service to validate data.

The application encounters periodic server errors due to errors that result from calling a third-party web server. Each request to the third-party server has the same chance of failure.

You need to configure an Azure Monitor alert to detect server errors unrelated to the third-party service. You must minimize false-positive alerts.

How should you complete the Azure Resource Manager template? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

```
"type": "Microsoft.Insights/metricAlerts",
"properties": {
"criteria": {
    "odata.type": ". . .",
    "allOf": [
      {
        "criterionType": "[                    ▼ ]",

                          DynamicThresholdCriterion
                          SingleResourceMultipleMetricCriteria

        "metricName": "[        ▼ ]",

                       Http4xx
                       Http5xx

        "alertSensitivity": "[      ▼ ]"

                            Low
                            High


    }]}}
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 26

Topic #: 5

[All AZ-204 Questions]

You are developing a web application that uses Azure Cache for Redis. You anticipate that the cache will frequently fill and that you will need to evict keys.

You must configure Azure Cache for Redis based on the following predicted usage pattern: A small subset of elements will be accessed much more often than the rest.

You need to configure the Azure Cache for Redis to optimize performance for the predicted usage pattern.

Which two eviction policies will achieve the goal?

NOTE: Each correct selection is worth one point.

    A. noeviction

    B. allkeys-lru

    C. volatile-lru

    D. allkeys-random

    E. volatile-ttl

    F. volatile-random

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 27

Topic #: 5

[All AZ-204 Questions]

DRAG DROP -

An organization has web apps hosted in Azure.

The organization wants to track events and telemetry data in the web apps by using Application Insights.

You need to configure the web apps for Application Insights.

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.
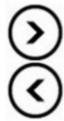
Select and Place:

Actions

Answer Area

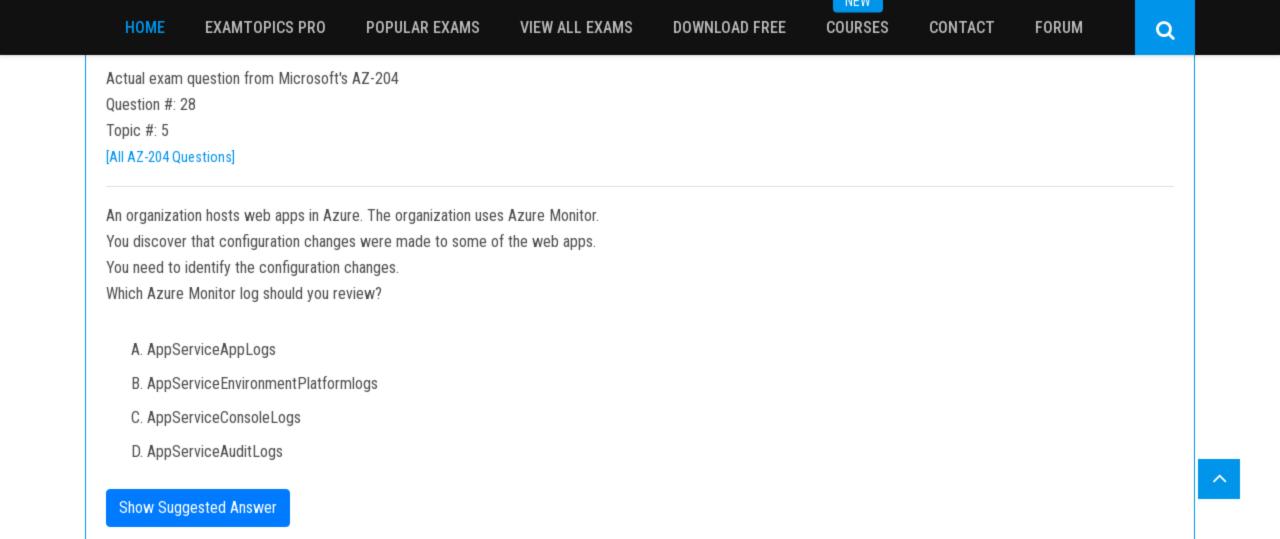Configure the Azure App Service SDK for the app

Configure the Application Insights SDK in the app

Copy the connection string

Create an Azure Machine Learning workspace

Create an Application Insights resource

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 28

Topic #: 5

[All AZ-204 Questions]

An organization hosts web apps in Azure. The organization uses Azure Monitor.

You discover that configuration changes were made to some of the web apps.

You need to identify the configuration changes.

Which Azure Monitor log should you review?

A. AppServiceAppLogs

B. AppServiceEnvironmentPlatformlogs

C. AppServiceConsoleLogs

D. AppServiceAuditLogs

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 29

Topic #: 5

[All AZ-204 Questions]

You develop and deploy an Azure App Service web app to a production environment. You enable the Always On setting and the Application Insights site extensions.

You deploy a code update and receive multiple failed requests and exceptions in the web app.

You need to validate the performance and failure counts of the web app in near real time.

Which Application Insights tool should you use?

    A. Profiler

    B. Smart Detection

    C. Live Metrics Stream

    D. Application Map

    E. Snapshot Debugger

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 30

Topic #: 5

[All AZ-204 Questions]

HOTSPOT -

You deploy an ASP.NET web app to Azure App Service.

You must monitor the web app by using Application Insights.

You need to configure Application Insights to meet the requirements.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

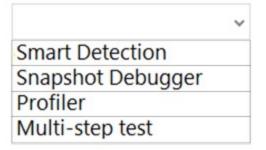| Requirement	Feature
Automatically warn you of potential performance problems and failure anomalies in the web app.	Smart Detection / Snapshot Debugger / Profiler / Multi-step test
Automatically collect the state of the source code and variables when an exception is thrown in the web app.	Smart Detection / Snapshot Debugger / Profiler / Multi-step test
Capture performance traces of the web app without negatively affecting users of the web app.	Smart Detection / Snapshot Debugger / Profiler / Multi-step test

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 31

Topic #: 5

[All AZ-204 Questions]

You are building a web application that performs image analysis on user photos and returns metadata containing objects identified. The image analysis is very costly in terms of time and compute resources. You are planning to use Azure Redis Cache so duplicate uploads do not need to be reprocessed.

In case of an Azure data center outage, metadata loss must be kept to a minimum.

You need to configure the Azure Redis cache instance.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

    A. Configure Azure Redis with AOF persistence.

    B. Configure Azure Redis with RDB persistence.

    C. Configure second storage account for persistence.

    D. Set backup frequency to the minimum value.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 32

Topic #: 5

[All AZ-204 Questions]

You are developing an Azure-based web application. The application goes offline periodically to perform offline data processing. While the application is offline, numerous Azure Monitor alerts fire which result in the on-call developer being paged.

The application must always log when the application is offline for any reason.

You need to ensure that the on-call developer is not paged during offline processing.

What should you do?

A. Add Azure Monitor alert processing rules to suppress notifications.

B. Disable Azure Monitor Service Health Alerts during offline processing.

C. Create an Azure Monitor Metric Alert.

D. Build an Azure Monitor action group that suppresses the alerts.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 33

Topic #: 5

[All AZ-204 Questions]

You are developing an online game that includes a feature that allows players to interact with other players on the same team within a certain distance. The calculation to determine the players in range occurs when players move and are cached in an Azure Cache for Redis instance.

The system should prioritize players based on how recently they have moved and should not prioritize players who have logged out of the game.

You need to select an eviction policy.

Which eviction policy should you use?

A. allkeys-lru

B. volatile-lru

C. allkeys-lfu

D. volatile-ttl

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 34

Topic #: 5

[All AZ-204 Questions]

You develop an Azure App Service web app and deploy to a production environment. You enable Application Insights for the web app.

The web app is throwing multiple exceptions in the environment.

You need to examine the state of the source code and variables when the exceptions are thrown.

Which Application Insights feature should you configure?

    A. Smart detection

    B. Profiler

    C. Snapshot Debugger

    D. Standard test

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 35

Topic #: 5

[All AZ-204 Questions]

DRAG DROP

-

You develop and deploy a Java application to Azure. The application has been instrumented by using the Application Insights SDK.

The telemetry data must be enriched and processed before it is sent to the Application Insights service.

You need to modify the telemetry data.

Which Application Insights SDK features should you use? To answer, drag the appropriate features to the correct requirements. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Features

| Sampling |
| Telemetry initializer |
| Telemetry processor |
| Telemetry channel |

Answer Area

Requirement	Feature
Reduce the volume of telemetry without affecting statistics.	
Enrich telemetry with additional properties or override an existing one.	
Completely replace or discard a telemetry item.	

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 36

Topic #: 5

[All AZ-204 Questions]

HOTSPOT

-

You develop new functionality in a web application for a company that provides access to seismic data from around the world. The seismic data is stored in Redis Streams within an Azure Cache for Redis instance.

The new functionality includes a real-time display of seismic events as they occur.

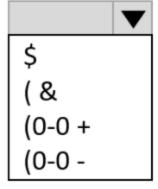You need to implement the Azure Cache for Redis command to receive seismic data.

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 Area

▼	▼	STREAMS seismicData	▼
XLEN	BLOCK 0		$
XREAD	COUNT 0		(&
XRANGE	BLOCK -1		(0-0 +
	COUNT -1		(0-0 -

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 37

Topic #: 5

[All AZ-204 Questions]

You develop an ASP.NET Core app that uses Azure App Configuration. You also create an App Configuration containing 100 settings.

The app must meet the following requirements:

• Ensure the consistency of all configuration data when changes to individual settings occur.
• Handle configuration data changes dynamically without causing the application to restart.
• Reduce the overall number of requests made to App Configuration APIs.

You must implement dynamic configuration updates in the app.

What are two ways to achieve this goal? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

   A. Create and register a sentinel key in the App Configuration store. Set the refreshAll parameter of the Register method to true.

   B. Increase the App Configuration cache expiration from the default value.

   C. Decrease the App Configuration cache expiration from the default value.

   D. Create and configure Azure Key Vault. Implement the Azure Key Vault configuration provider.

   E. Register all keys in the App Configuration store. Set the refreshAll parameter of the Register method to false.

   F. Create and implement environment variables for each App Configuration store setting.

Show Suggested Answer

Actual exam question from Microsoft's AZ-204

Question #: 38

Topic #: 5

[All AZ-204 Questions]

HOTSPOT

-

You develop and deploy an Azure App Service web app that connects to Azure Cache for Redis as a content cache. All resources have been deployed to the East US 2 region.

The security team requires the following audit information from Azure Cache for Redis:

• The number of Redis client connections from an associated IP address.
• Redis operations completed on the content cache.
• The location (region) in which the Azure Cach3e for Redis instance was accessed.

The audit information must be captured and analyzed by a security team application deployed to the Central US region.

You need to log information on all client connections to the cache.

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

NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Configuration value
Store log information.	▼
	Log Analytics workspace
	Blob Storage account
	Data Lake Storage Gen2 Storage account
	Event hub
Enable client connection logging.	▼
	Diagnostic setting
	Managed identity
	App registration
	Environment variable

Show Suggested Answer