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Microsoft AZ-204 (Developing Solutions for Microsoft Azure) Exam is designed for developers who want to test their skills in developing and deploying cloud-based solutions on Microsoft Azure. AZ-204 exam measures the ability of developers to design and implement solutions that are secure, scalable, and highly available. AZ-204 Exam covers a wide range of topics, including Azure services, Azure storage, Azure security, Azure compute, Azure networking, and Azure app services.

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To pass the Microsoft AZ-204 exam, developers must have a strong understanding of Azure development concepts and hands-on experience with Azure services. They must also be familiar with programming languages such as C# and JavaScript, as well as frameworks like .NET and Node.js. AZ-204 exam is a great way for developers to demonstrate their proficiency in developing cloud-based solutions using Microsoft Azure and enhance their career prospects in the fast-growing cloud computing industry.

Microsoft AZ-204 Exam is intended for developers who have experience with Azure and are looking to enhance their skills. AZ-204 exam covers a broad range of topics, including designing and developing Azure compute solutions, designing and developing Azure storage solutions, implementing Azure security, and designing Azure networking solutions. Candidates must demonstrate their knowledge of Azure development tools such as Visual Studio, Azure PowerShell, and Azure CLI.

Microsoft Developing Solutions for Microsoft Azure Sample Questions (Q243-Q248):

NEW QUESTION # 243

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.

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

Answer:

Explanation:

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)
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| where TimeGenerated > startTimestamp
| where LogEntrySource == "stderr"

▼

project by Computer
summarize by Computer
partition count() by Computer
summarize count() by Computer

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/get-started-queries>

<https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/query-optimization>

NEW QUESTION # 244

A company has multiple warehouse. 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.

Actions	Answer Area
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:

Explanation:

Actions	Answer Area
Add a logic app trigger that fires when one or more messages arrive in the queue.	Create a blank Logic app.
Add a Recurrence trigger that schedules the app to run every 15 minutes.	Add a logic app trigger that fires when one or more messages arrive in the queue.
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 trigger that reads IoT temperature data from a Service Bus queue.	Add a condition that compares the temperature against the upper and lower thresholds.
Add a logic app action that fires when one or more messages arrive in the queue.	Add an action that sends an email to specified personnel if the temperature is outside of those thresholds.
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.	

Explanation

Create a blank Logic app

Add a logic app action that fires when one or more messages arrive in the queue.

Add an action that reads IoT temperature data from the Service Bus queue.

Add a condition that compares the temperature against the upper and lower thresholds.

Add an action that sends an email to specified personnel if the temperature is outside of those thresholds.

Step 1: Create a blank Logic app.

Create and configure a Logic App.

Step 2: Add a logical app trigger that fires when one or more messages arrive in the queue.

Configure the logic app trigger.

Under Triggers, select When one or more messages arrive in a queue (auto-complete).

Step 3: Add an action that reads IoT temperature data from the Service Bus queue Step 4: Add a condition that compares the temperature against the upper and lower thresholds.

Step 5: Add an action that sends an email to specified personnel if the temperature is outside of those thresholds Reference:

<https://docs.microsoft.com/en-us/azure/iot-hub/iot-hub-monitoring-notifications-with-azure-logic-apps>

NEW QUESTION # 245

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 Standard 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 Shared service tier. Configure the App service plan to automatically scale when the CPU load is high.

Answer: B

Explanation:

Windows Azure Web Sites (WAWS) offers 3 modes: Standard, Free, and Shared.

Standard mode carries an enterprise-grade SLA (Service Level Agreement) of 99.9% monthly, even for sites with just one instance.

Standard mode runs on dedicated instances, making it different from the other ways to buy Windows Azure Web Sites.

Incorrect Answers:

B: Shared and Free modes do not offer the scaling flexibility of Standard, and they have some important limits.

Shared mode, just as the name states, also uses shared Compute resources, and also has a CPU limit.

So, while neither Free nor Shared is likely to be the best choice for your production environment due to these limits.

NEW QUESTION # 246

You are developing a .NET Core model-view controller (MVC) application hosted on Azure for a health care system that allows providers access to their information.

You develop the following code:

```
services.AddAuthorization (options =>
{
    options.AddPolicy("ProviderPartner", policy =>
    {
        .policy.AddAuthenticationSchemes("Cookie, Bearer");
        policy.RequireAuthenticatedUser();
        policy.RequireRole("ProviderAdmin", "SysAdmin");
        policy.RequireClaim("editor", "partner");
    });
});
```

You define a role named SysAdmin.

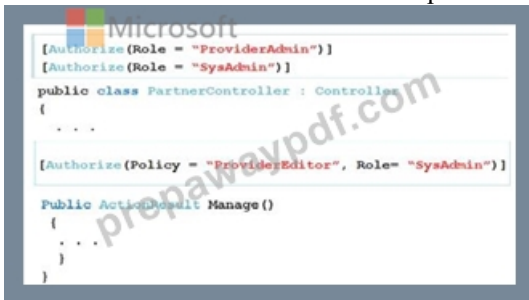
You need to ensure that the application meets the following authorization requirements:

Allow the ProviderAdmin and SysAdmin roles access to the Partner controller regardless of whether the user holds an editor claim of partner.

Limit access to the Manage action of the controller to users with an editor claim of partner who are also members of the SysAdmin role.

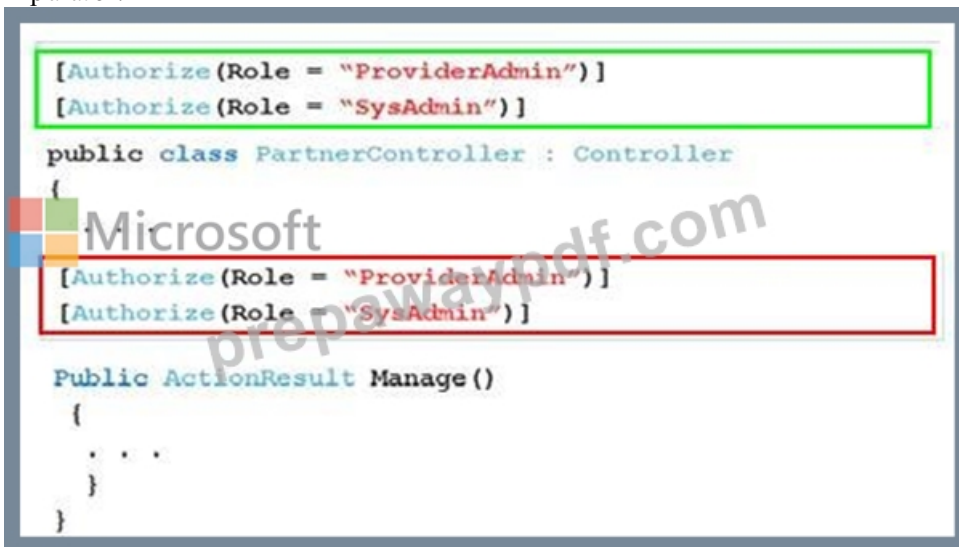
How should you complete the code? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Answer:

Explanation:



NEW QUESTION # 247

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.

App setting	Value
LOCALAPPDATA	true
WEBSITE_LOCALCACHE_ENABLED	
DOTNET_HOSTING_OPTIMIZATION_CACHE	/home
WEBSITES_ENABLE_APP_SERVICE_STORAGE	/local
DIAGDATA	D:\home
	D:\local

Answer:

Explanation:

App setting	Value
LOCALAPPDATA	true
WEBSITE_LOCALCACHE_ENABLED	
DOTNET_HOSTING_OPTIMIZATION_CACHE	/home
WEBSITES_ENABLE_APP_SERVICE_STORAGE	/local
DIAGDATA	D:\home
	D:\local

Explanation

App setting	Value
LOCALAPPDATA	true
WEBSITE_LOCALCACHE_ENABLED	
DOTNET_HOSTING_OPTIMIZATION_CACHE	/home
WEBSITES_ENABLE_APP_SERVICE_STORAGE	/local
DIAGDATA	D:\home
	D:\local

Box 1: If WEBSITES_ENABLE_APP_SERVICE_STORAGE

If WEBSITES_ENABLE_APP_SERVICE_STORAGE setting is unspecified or set to true, the /home/ directory will be shared across scale instances, and files written will persist across restarts

Box 2: /home Reference:

<https://docs.microsoft.com/en-us/azure/app-service/containers/app-service-linux-faq>

NEW QUESTION # 248

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