AZ-400 Q&As

Designing and Implementing Microsoft DevOps Solutions

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QUESTION 1

You have a project in Azure DevOps named Project1. Project1 contains a pipeline that builds a container image named Image1 and pushes Image1 to an Azure container registry named ACR1. Image1 uses a base image stored in Docker

Hub.

You need to ensure that Image1 is updated automatically whenever the base image is updated.

What should you do?

A. Create and run an Azure Container Registry task.

B. Add a Docker Hub service connection to Azure Pipelines.

C. Enable the Azure Event Grid resource provider and subscribe to registry events.

D. Create a service hook in Project1.

Correct Answer: A

ACR Tasks supports automated container image builds when a container\\'s base image is updated, such as when you patch the OS or application framework in one of your base images.

Reference: https://docs.microsoft.com/en-us/azure/container-registry/container-registry-tutorial-base-image-update

QUESTION 2

You have an Azure DevOps organization named Contoso and art Azure subscription The subscription contains an Azure virtual machine scale set named VMSS1 that is configured for autoscaling.

You use Azure DevOps to build a web app named Appl and deploy Appl to VMSS1. Appl is used heavily and has usage patterns that vary on a weekly basis.

You need to recommend a solution to detect an abnormal rise in the rate of failed requests to Appl.

The solution must minimize administrative effort.

What should you include in the recommendation?

A. an Azure Service Health alert

B. the Failures feature in Azure Application Insights

C. the Smart Detection feature m Azure Application Insights

D. an Azure Monitor alert that uses an Azure Log Analytics query

Correct Answer: C

After setting up Application Insights for your project, and if your app generates a certain minimum amount of data, Smart Detection of failure anomalies takes 24 hours to learn the normal behavior of your app, before it is switched on and can send alerts.

Reference: https://docs.microsoft.com/en-us/azure/azure-monitor/app/proactive-failure-diagnostics

QUESTION 3

SIMULATION

Your company plans to implement a new compliance strategy that will require all Azure web apps to be backed up every five hours.

You need to back up an Azure web app named az400-11566895-main every five hours to an Azure Storage account in your resource group.

To complete this task, sign in to the Microsoft Azure portal.

Correct Answer: See solution below.

QUESTION 4

You have an Azure subscription that contains 50 virtual machines.

You plan to manage the configuration of the virtual machines by using Azure Automation State Configuration.

You need to create the Desired State Configuration (DSC) configuration files.

How should you structure the code blocks?

A. Node > Configuration > Resource

B. Configuration > Resource > Node

C. Resource > Configuration > Node

D. Configuration > Node > Resource

Correct Answer: D

Explanation:

Example, Create a DSC configuration:

```
configuration TestConfig
{
 Node IsWebServer
 {
 WindowsFeature IIS
 {
 Ensure = \\'Present\\'
```

Name = \\'Web-Server\\'

IncludeAllSubFeature = $true

}

}

Node NotWebServer

{

WindowsFeature IIS

{

Ensure = \\'Absent\\' Name = \\'Web-Server\\' } } }

This configuration calls one resource in each node block, the WindowsFeature resource. This resource ensures either the presence or absence of the Web-Server feature.

Reference: https://docs.microsoft.com/en-us/azure/automation/automation-dsc-getting-started

QUESTION 5

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 manage a project in Azure DevOps.

You need to prevent the configuration of the project from changing over time.

Solution: Implement Continuous Integration for the project.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

Instead implement Continuous Assurance for the project.

Reference: https://azsk.azurewebsites.net/04-Continous-Assurance/Readme.html