

AZ-400 Dumps

Microsoft Azure DevOps Solutions (beta)

<https://www.certleader.com/AZ-400-dumps.html>



NEW QUESTION 1

SIMULATION - (Topic 4)

You need to create an instance of Azure Application Insights named az400-9940427-main and configure the instance to receive telemetry data from an Azure web app named az400- 9940427-main.

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

- A. Mastered
- B. Not Mastered

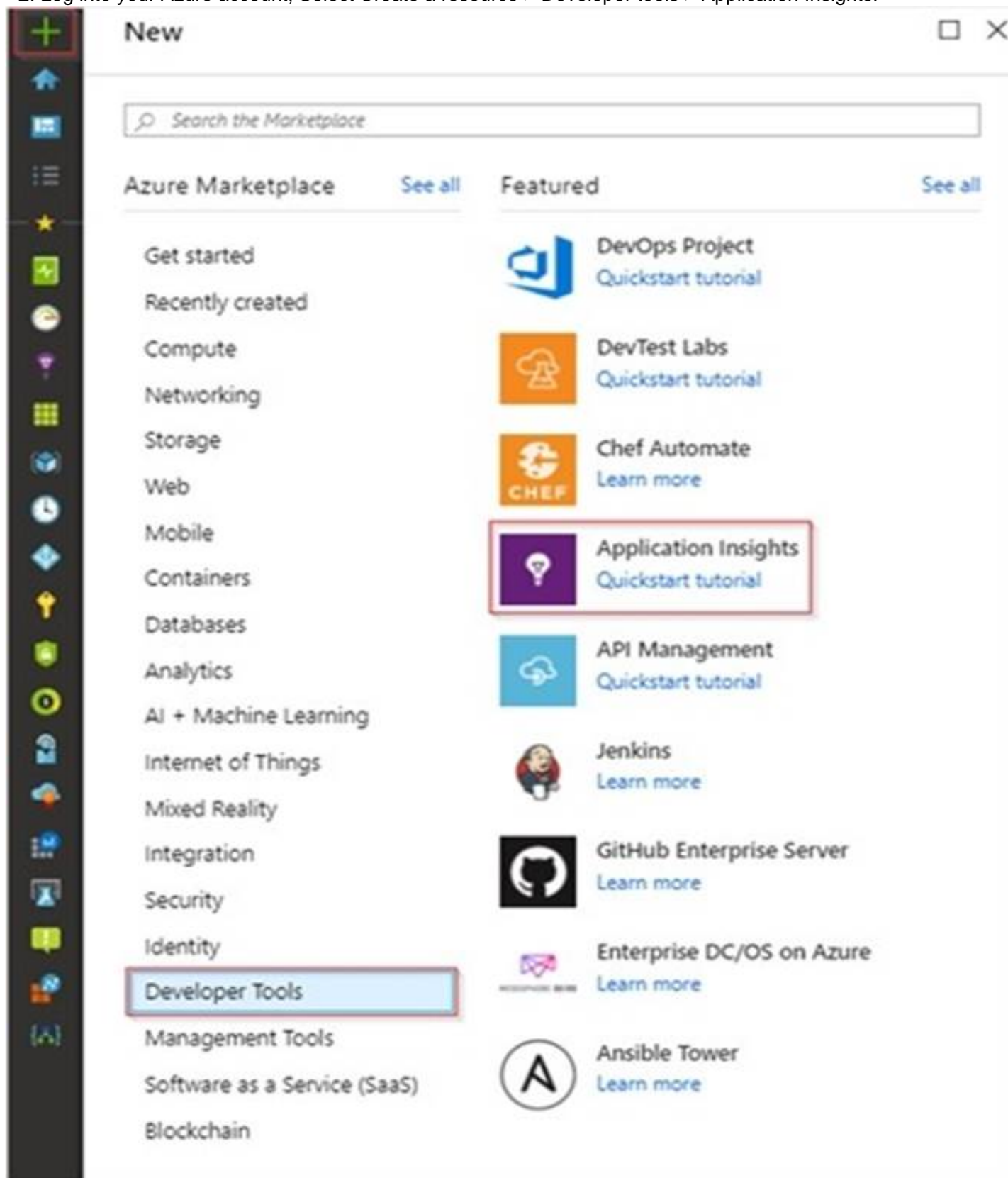
Answer: A

Explanation:

Step 1: Create an instance of Azure Application Insights

* 1. Open Microsoft Azure Portal

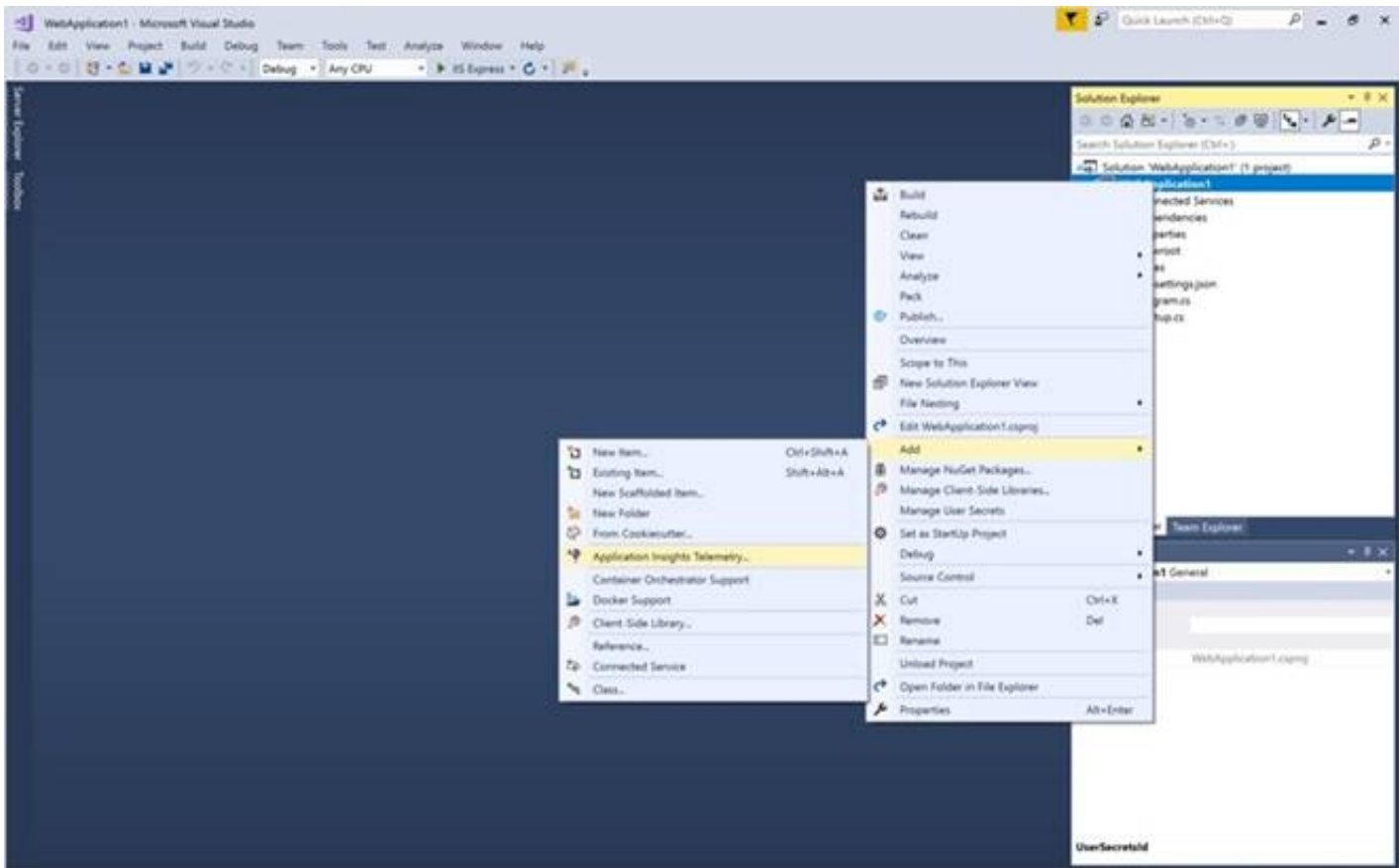
* 2. Log into your Azure account, Select Create a resource > Developer tools > Application Insights.



* 3. Enter the following settings, and then select Review + create. Name: az400-9940427-main

Step 2: Configure App Insights SDK

* 4. Open your ASP.NET Core Web App project in Visual Studio > Right-click on the AppName in the Solution Explorer > Select Add > Application Insights Telemetry.



- * 5. Click the Get Started button
- * 6. Select your account and subscription > Select the Existing resource you created in the Azure portal > Click Register.

References:

<https://docs.microsoft.com/bs-latn-ba/azure/azure-monitor/learn/dotnetcore-quick-start?view=vs-2017>

NEW QUESTION 2

DRAG DROP - (Topic 4)

You have an Azure DevOps pipeline that is used to deploy a Node.js app.

You need to ensure that the dependencies are cached between builds.

How should you configure the deployment YAML? To answer, drag the appropriate values to the correct targets. Each value 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.

Values

always()

build.sh

eq(variables.CACHE_RESTORED, 'true')

integrationtest.sh

ne(variables.CACHE_RESTORED, 'true')

npm install

Answer Area

```
inputs:
  key: 'npm | "$(Agent.OS)" | package-lock.json'
  restoreKeys: |
    npm | "$(Agent.OS)"
  path: $(npm_config_cache)
  cacheHitVar: CACHE_RESTORED

- script:
  condition:
```

Value

Value

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values

always()

build.sh

eq(variables.CACHE_RESTORED, 'true')

integrationtest.sh

ne(variables.CACHE_RESTORED, 'true')

npm install

Answer Area

```
inputs:
  key: 'npm | "$(Agent.OS)" | package-lock.json'
  restoreKeys: |
    npm | "$(Agent.OS)"
  path: $(npm_config_cache)
  cacheHitVar: CACHE_RESTORED

- script:
  condition:
```

npm install

ne(variables.CACHE_RESTORED, 'true')

NEW QUESTION 3

- (Topic 4)

You have a multi-tier application. The front end of the application is hosted in Azure App Service.

You need to identify the average load times of the application pages. What should you use?

- A. Azure Application Insights
- B. the activity log of the App Service
- C. the diagnostics logs of the App Service

D. Azure Advisor

Answer: A

Explanation:

Application Insights will tell you about any performance issues and exceptions, and help you find and diagnose the root causes.

Application Insights can monitor both Java and ASP.NET web applications and services, WCF services. They can be hosted on-premises, on virtual machines, or as Microsoft Azure websites.

On the client side, Application Insights can take telemetry from web pages and a wide variety of devices including iOS, Android, and Windows Store apps.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/web-monitor-performance>

NEW QUESTION 4

DRAG DROP - (Topic 4)

You need to recommend project metrics for dashboards in Azure DevOps.

Which chart widgets should you recommend for each metric? To answer, drag the appropriate chart widgets to the correct metrics. Each chart widget 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.

Chart Widgets	Answer Area
Burndown	The elapsed time from the creation of work items to their completion: <input type="text"/>
Cycle Time	
Lead Time	The elapsed time to complete work items once they are active: <input type="text"/>
Velocity	The remaining work: <input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Lead time

Lead time measures the total time elapsed from the creation of work items to their completion.

Box 2: Cycle time

Cycle time measures the time it takes for your team to complete work items once they begin actively working on them.

Box 3: Burndown

Burndown charts focus on remaining work within a specific time period.

NEW QUESTION 5

- (Topic 4)

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 need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:

- The builds must access an on-premises dependency management system.
- The build outputs must be stored as Server artifacts in Azure DevOps.
- The source code must be stored in a get repository in Azure DevOps.

Solution: Configure the build pipeline to use a Microsoft-hosted agent pool running the Windows Server 2022 with Visual Studio 2022 image, include the Java Tool installer task in the build pipeline.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 6

- (Topic 4)

Your company has a project in Azure DevOps for a new application. The application will be deployed to several Azure virtual machines that run Windows Server 2022. You need to recommend a deployment strategy for the virtual machines. The strategy must meet the following requirements:

- Ensure that the virtual machines maintain a consistent configuration.
- Minimize administrative effort to configure the virtual machines. What should you include in the recommendation?

- A. Azure Resource Manager templates and the PowerShell Desired State Configuration (DSC) extension for Windows
- B. Deployment YAML and Azure pipeline deployment groups
- C. Azure Resource Manager templates and the Custom Script Extension for Windows
- D. Deployment YAML and Azure pipeline stage templates

Answer: C

NEW QUESTION 7

- (Topic 4)

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.

Your company uses Azure DevOps to manage the build and release processes for applications.

You use a Git repository for applications source control.

You need to implement a pull request strategy that reduces the history volume in the master branch.

Solution: You implement a pull request strategy that uses a three-way merge. Does this meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Instead use fast-forward merge.

Note:

No fast-forward merge - This option merges the commit history of the source branch when the pull request closes and creates a merge commit in the target branch.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/repos/git/branch-policies>

NEW QUESTION 8

- (Topic 4)

You have a GitHub repository that contains workflows. The workflows contain steps that execute predefined actions. Each action has one or more versions.

You need to request the specific version of an action to execute.

Which three attributes can you use to identify the version? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. the SHA-based hashes

B. the tag

C. the runner

D. the branch

E. the serial

Answer: ABD

Explanation:

<https://docs.github.com/en/actions/using-workflows/workflow-syntax-for-github-actions>

"We strongly recommend that you include the version of the action you are using by specifying a Git ref, SHA, or Docker tag. If you don't specify a version, it could break your workflows or cause unexpected behavior when the action owner publishes an update. Using the commit SHA of a released action version is the safest for stability and security. If the action publishes major version tags, you should expect to receive critical fixes and security patches while still retaining compatibility. Note that this behavior is at the discretion of the action's author. Using the default branch of an action may be convenient, but if someone releases a new major

version with a breaking change, your workflow could break."

NEW QUESTION 9

HOTSPOT - (Topic 4)

You have an Azure DevOps project that contains a build pipeline. The build pipeline uses approximately 50 open source libraries.

You need to ensure that the project can be scanned for known security vulnerabilities in the open source libraries.

What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Object to create: ▼

A build task
A deployment task
An artifacts repository

Service to use: ▼

WhiteSource Bolt
Bamboo
CMake
Chef

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: A Build task Trigger a build

You have a Java code provisioned by the Azure DevOps demo generator. You will use WhiteSource Bolt extension to check the vulnerable components present in this code.

? Go to Builds section under Pipelines tab, select the build definition WhiteSourceBolt and click on Queue to trigger a build.

? To view the build in progress status, click on ellipsis and select View build results.

Box 2: WhiteSource Bolt

WhiteSource is the leader in continuous open source software security and compliance management. WhiteSource integrates into your build process, irrespective of your programming languages, build tools, or development environments. It works automatically, continuously, and silently in the background, checking the security, licensing, and quality of your open source components against WhiteSource constantly-updated denitive database of open source repositories.

References: <https://www.azuredevopslabs.com/labs/vstsextend/whitesource/>

NEW QUESTION 10

- (Topic 4)

You use GitHub for source control.

A file that contains sensitive data is committed accidentally to the Get repository of a project.

You need to delete the file and its history form the repository.

Which two tools can you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. the git filter-branch command
- B. BFG Repo-Cleaner
- C. the git rebase command
- D. GitHub Desktop

Answer: AB

Explanation:

To entirely remove unwanted files from a repository's history you can use either the git filter-branch command or the BFG Repo-Cleaner open source tool.

Reference:

<https://docs.github.com/en/github/authenticating-to-github/keeping-your-account-and-data-secure/removing-sensitive-data-from-a-repository>

NEW QUESTION 10

- (Topic 4)

You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 and an Azure Standard Load Balancer named LB1. LB1 distributes incoming requests across VMSS1 instances.

You use Azure DevOps to build a web app named Appl and deploy App1 to VMSS1. App1 is accessible via HTTPS only and configured to require mutual authentication by using a client certificate.

You need to recommend a solution for implementing a health check of App1. The solution must meet the following requirements:

- Identify whether individual instances of VMSSI are eligible for an upgrade operation.
- Minimize administrative effort.

What should you include in the recommendation?

- A. the Custom Script Extension
- B. the Application Health extension
- C. Azure Monitor autoscale
- D. an Azure Load Balancer health probe

Answer: B

Explanation:

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-health-extension#when-to-use-the-application-health-extension>

NEW QUESTION 13

- (Topic 4)

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.

The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.

You need to recommend changes to reduce the accumulated technical debt.

Solution: You recommend increasing the code duplication. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead reduce the code complexity. Reference:

<https://dzone.com/articles/fight-through-the-pain-how-to-deal-with-technical>

NEW QUESTION 18

HOTSPOT - (Topic 4)

Your company uses a Git source-code repository.

You plan to implement GitFlow as a workflow strategy.

You need to identify which branch types are used for production code and preproduction code in the strategy.

Which branch type should you identify for each code type? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Production code:
Feature
Develop

Preproduction code:
Feature
Develop

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: Master

The Master branch contains production code. All development code is merged into master in sometime.

Box 2: Develop

The Develop branch contains pre-production code. When the features are finished then they are merged into develop.

NEW QUESTION 20

- (Topic 4)

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 have an approval process that contains a condition. The condition requires that releases be approved by a team leader before they are deployed.

You have a policy stating that approvals must occur within eight hours.

You discover that deployment fail if the approvals take longer than two hours.

You need to ensure that the deployments only fail if the approvals take longer than eight hours.

Solution: From Pre-deployment conditions, you modify the Time between re-evaluation of gates option.

Does this meet the goal?

- A. Yes
B. No

Answer: B

Explanation:

References: <https://docs.microsoft.com/en-us/azure/devops/pipelines/release/approvals/gates>

NEW QUESTION 24

- (Topic 4)

You plan to use Azure DevOps to build and deploy an app that will be hosted in a Kubernetes cluster.

You need to scan the app image for vulnerabilities before the image is deployed to the cluster.

What should you include in the solution?

- A. Microsoft Defender for DevOps
B. Microsoft Defender for Storage
C. Microsoft Defender for Containers
D. Microsoft Defender for App Service

Answer: C

NEW QUESTION 27

- (Topic 4)

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 plan to update the Azure DevOps strategy of your company.

You need to identify the following issues as they occur during the company's development process:

? Licensing violations

? Prohibited libraries

Solution: You implement continuous integration. Does this meet the goal?

- A. Yes
B. No

Answer: A

Explanation:

WhiteSource is the leader in continuous open source software security and compliance management. WhiteSource integrates into your build process, irrespective of your programming languages, build tools, or development environments. It works automatically, continuously, and silently in the background, checking the security, licensing, and quality of your open source components against WhiteSource constantly-updated denitive database of open source repositories.

Reference: <https://azuredevopslabs.com/labs/vstsextend/whitesource/>

NEW QUESTION 32

HOTSPOT - (Topic 4)

You have an Azure subscription that contains an Azure key vault named Vault1. an Azure pipeline named Pipeline1, and an Azure SQL database named DB1. Pipeline1 is used to deploy an app that will authenticate to DB1 by using a password.

You need to store the password in Vault1. The solution must ensure that the password can be accessed by Pipeline1.

What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A**Explanation:****Answer Area****NEW QUESTION 36**

- (Topic 4)

You manage projects by using Azure Boards.

You have a current work item name item A that is dependent on a work item named item3. You need to define the dependency for item A.

What should you do in the web portal for Azure DevOps?

- A. From Backlogs, open the context menu, select Add link and then select item3. Set Link type to Related and add the ID of item A
- B. From item A, open the Links tab, and then select Add link
- C. Set Link type to Successor and add the ID of item B.
- D. From Queries, open the context menu, select Add link, and then select Existing item
- E. Set Link type to Affected By and add the ID of item B.
- F. From item A, open the Links tab, and then select Add link
- G. Set Link type to References and add the ID Of item B.

Answer: B**NEW QUESTION 41**

- (Topic 4)

You need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:

- The builds must access an on-premises dependency management system.
- The build outputs must be stored as Server artifacts in Azure DevOps.
- The source code must be stored in a Git repository in Azure DevOps.

Solution: Configure the build pipeline to use a Microsoft-hosted agent pool running a Linux image. Include the Java Tool Installer task in the build pipeline.

Does this meet the goal?

- A. Yes
- B. No

Answer: B**Explanation:**

To run your jobs, you'll need at least one agent. A Linux agent can build and deploy different kinds of apps, including Java and Android apps.

If your pipelines are in Azure Pipelines and a Microsoft-hosted agent meets your needs, you can skip setting up a private Linux agent.

The Azure Pipelines agent pool offers several virtual machine images to choose from, each including a broad range of tools and software. We support Ubuntu, Red Hat, and CentOS.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/v2-linux?view=azure-devops>

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/hosted?view=azure-devops&tabs=yaml>

NEW QUESTION 46

- (Topic 4)

Your company has a project in Azure DevOps for a new web application. The company identifies security as one of the highest priorities. You need to recommend a solution to minimize the likelihood that infrastructure credentials will be leaked. What should you recommend?

- A. Add a Run Inline Azure PowerShell task to the pipeline.
- B. Add a PowerShell task to the pipeline and run Set-AzureKeyVaultSecret.
- C. Add a Azure Key Vault task to the pipeline.
- D. Add Azure Key Vault references to Azure Resource Manager templates.

Answer: B

Explanation:

Azure Key Vault provides a way to securely store credentials and other keys and secrets. The Set-AzureKeyVaultSecret cmdlet creates or updates a secret in a key vault in Azure Key Vault.

References:

<https://docs.microsoft.com/en-us/powershell/module/azurerm.keyvault/set-azurekeyvaultsecret>

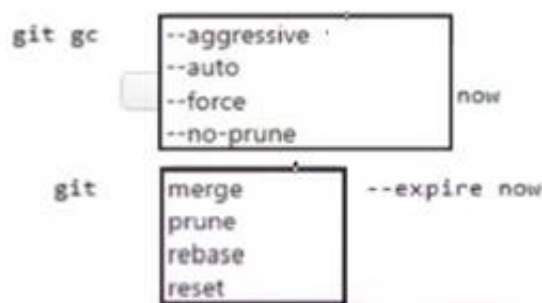
NEW QUESTION 48

HOTSPOT - (Topic 4)

You manage the Git repository for a large enterprise application. You need to minimize the data size of the repository. How should you complete the commands? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: --aggressive

Cleanup unnecessary files and optimize the local repository: git gc --aggressive

Box 2: prune

Prune all unreachable objects from the object database: git prune

NEW QUESTION 50

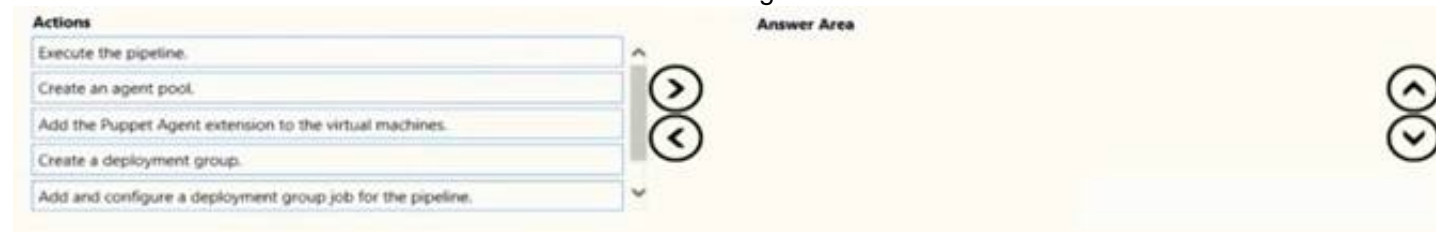
DRAG DROP - (Topic 4)

You have an Azure subscription that contains a resources group named RG1. RG1 contains the following resources:

- Four Azure virtual machines that run Windows Server and have Internet Information Services (IIS) installed
- SQL Server on an Azure virtual machine
- An Azure Load Balancer

You need to deploy an application to the virtual machines in RG1 by using Azure Pipelines. 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.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Create an agent pool

Azure Pipelines provides a pre-defined agent pool named Azure Pipelines with Microsoft- hosted agents.

Step 2: Create a deployment group

Deployment groups make it easy to define logical groups of target machines for deployment, and install the required agent on each machine.

Step 3: Execute the Azure Pipelines Agent extension to the virtual machines Install the Azure Pipelines Agent Azure VM extension

Step 4: Add and configure a deployment group job for the pipeline

Tasks that you define in a deployment group job run on some or all of the target servers, depending on the arguments you specify for the tasks and the job itself.

NEW QUESTION 51

HOTSPOT - (Topic 4)

You currently use JIRA, Jenkins, and Octopus as part of your DevOps processes. You plan to use Azure DevOps to replace these tools.

Which Azure DevOps service should you use to replace each tool? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

JIRA: ▼

Boards

Build pipelines

Release pipelines

Repos

Jenkins: ▼

Boards

Build pipelines

Release pipelines

Repos

Octopus: ▼

Boards

Build pipelines

Release pipelines

Repos

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

JIRA- BoardJenkins- Build PipelinesOctopus- Release pipelines

NEW QUESTION 54

- (Topic 4)

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.

Your company has a project in Azure DevOps for a new web application. You need to ensure that when code is checked in, a build runs automatically.

Solution: From the Pre-deployment conditions settings of the release pipeline, you select After stage.

Does this meet the goal?

- A. Yes
B. No

Answer: B

Explanation:

Instead, In Visual Designer you enable continuous integration (CI) by:

? Select the Triggers tab.

? Enable Continuous integration.

References:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/get-started-designer>

NEW QUESTION 59

DRAG DROP - (Topic 4)

You are defining release strategies for two applications as shown in the following table.

Application name	Goal
App1	Failure of App1 has a major impact on your company. You need a small group of users, who opted in to a testing App1, to test new releases of the application.
App2	You need to minimize the time it takes to deploy new releases of App2, and you must be able to roll back as quickly as possible.

Which release strategy should you use for each application? To answer, drag the appropriate release strategies to the correct applications. Each release strategy 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.

Release Strategies

Blue/Green deployment

Canary deployment

Rolling deployment

Answer Area:

App1:

App2:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

App1: Canary deployment

With canary deployment, you deploy a new application code in a small part of the production infrastructure. Once the application is signed off for release, only a few users

are routed to it. This minimizes any impact.

With no errors reported, the new version can gradually roll out to the rest of the infrastructure.

App2: Rolling deployment:

In a rolling deployment, an application's new version gradually replaces the old one. The actual deployment happens over a period of time. During that time, new and old versions will coexist without affecting functionality or user experience. This process makes it easier to roll back any new component incompatible with the old components.

NEW QUESTION 62

- (Topic 4)

You have an Azure virtual machine that is monitored by using Azure Monitor. The virtual machine has the Azure Log Analytics agent installed.

You plan to deploy the Service Map solution from Azure Marketplace.

What should you deploy to the virtual machine to support the Service Map solution?

- A. the Telegraf agent
- B. the Azure Monitor agent
- C. the Dependency agent
- D. the Windows Azure diagnostics extension (WAD)

Answer: C

NEW QUESTION 66

HOTSPOT - (Topic 4)

You plan to use Desired State Configuration (DSC) to maintain the configuration state of virtual machines that run Windows Server.

You need to perform the following:

? Install Internet Information Services (IIS) on the virtual machines.

? Update the default home page of the IIS web server.

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

NOTE: Each correct selection is worth one point.

Answer Area

```
Configuration WebServerConfig {
  Import-DscResource -ModuleName PsDesiredStateConfiguration
  Node 'localhost' {

    WebServer {

      Service
      WindowsFeature
      WindowsOptionalFeature
      WindowsProcess

      Ensure = "Present"
      Name = "Web-Server"
    }

    DefaultHomePage {

      Archive
      File
      Package
      Script

      Ensure = 'Present'
      SourcePath = '\\server1
\DSCResources\web\index.htm'
      DestinationPath = 'c:\inetpub\wwwroot'
    }
  }
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

See the answer in image
Box 1: Windows Feature Example:
Configuration Website Test {
Import the module that contains the resources we're using.
Import-Disc Resource –Module Name Ps Desired State Configuration
The Node statement specifies which targets this configuration will be applied to. Node 'localhost' {
The first resource block ensures that the Web-Server (IIS) feature is enabled. Windows Feature Web Server {
Ensure = "Present" Name = "Web-Server"
}
Box 2: File Example continued:
The second resource block ensures that the website content copied to the website root folder.
File Website Content { Ensure = 'Present'
Source Path = 'c:\test\index.htm' Destination Path = 'c:\inetpub \wwwroot'
}

NEW QUESTION 70

DRAG DROP - (Topic 4)

You are deploying a new application that uses Azure virtual machines.

You plan to use the Desired State Configuration (DSC) extension on the virtual machines. You need to ensure that the virtual machines always have the same Windows features installed.

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.

Actions

- Load the file to Azure Files.
- Create a PowerShell configuration file.
- Create a YAML configuration file.
- Configure the Custom Script Extension on the virtual machines.
- Configure the DSC extension on the virtual machines.
- Load the file to Azure Blob storage.

Answer Area

>

<

^

v

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Step 1: Create a PowerShell configuration file

You create a simple PowerShell DSC configuration file.

Step 2: Load the file to Azure Blob storage

Package and publish the module to a publically accessible blob container URL

Step 3: Configure the Custom Script Extension on the virtual machines.

The Custom Script Extension downloads and executes scripts on Azure virtual machines.

NEW QUESTION 72

- (Topic 4)

You manage an Azure web app that supports an e-commerce website.

You need to increase the logging level when the web app exceeds normal usage patterns. The solution must minimize administrative overhead.

Which two resources should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. an Azure Monitor alert that has a dynamic threshold

B. an Azure Automation runbook

C. an Azure Monitor alert that uses an action group that has an email action

D. the Azure Monitor autoscale settings

E. an Azure Monitor alert that has a static threshold

Answer: BC

NEW QUESTION 76

DRAG DROP - (Topic 4)

You are configuring the settings of a new Git repository in Azure Repos.

You need to ensure that pull requests in a branch meet the following criteria before they are merged:

? Committed code must compile successfully.

? Pull requests must have a Quality Gate status of Passed in SonarCloud.

Which policy type should you configure for each requirement? To answer, drag the appropriate policy types to the correct requirements. Each policy 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.

Policy Types	
A build policy	Committed code must compile successfully: <input type="text"/>
A check-in policy	Pull requests must have a Quality Gate status of Passed in SonarCloud: <input type="text"/>
A status policy	

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: A check-in policy

Administrators of Team Foundation version control can add check-in policy requirements. These check-in policies require the user to take actions when they conduct a check-in to source control.

By default, the following check-in policy types are available:

? Builds Requires that the last build was successful before a check-in.

? Code Analysis Requires that code analysis is run before check-in.

? Work Items Requires that one or more work items be associated with the check-in.

Box 2: Build policy

NEW QUESTION 77

- (Topic 4)

You manage source code control and versioning by using GitHub.

You need to ensure that a PowerShell script is executed automatically before rebase operations are performed.

What should you use?

A. a package

B. GitHub Copilot

C. a webbook

D. a gist

Answer: C

NEW QUESTION 80

- (Topic 4)

You have a Microsoft ASP.NET Core web app in Azure that is accessed worldwide.

You need to run a URL ping test once every five minutes and create an alert when the web app is unavailable from specific Azure regions. The solution must minimize development time.

What should you do?

- A. Create an Azure Application Insights availability test and alert.
- B. Create an Azure Service Health alert for the specific regions.
- C. Create an Azure Monitor Availability metric and alert
- D. Write an Azure function and deploy the function to the specific regions.

Answer: A

Explanation:

There are three types of Application Insights availability tests:

? URL ping test: a simple test that you can create in the Azure portal.

? Multi-step web test

? Custom Track Availability Tests

Note: After you've deployed your web app/website, you can set up recurring tests to monitor availability and responsiveness. Azure Application Insights sends web requests to your application at regular intervals from points around the world. It can alert you if your application isn't responding, or if it responds too slowly.

You can set up availability tests for any HTTP or HTTPS endpoint that is accessible from the public internet. You don't have to make any changes to the website you're testing. In fact, it doesn't even have to be a site you own. You can test the availability of a REST API that your service depends on.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/monitor-web-app-availability#create-a-url-ping-test>

NEW QUESTION 84

- (Topic 4)

Your company plans to use an agile approach to software development.

You need to recommend an application to provide communication between members of the development team who work in locations around the world. The applications must meet the following requirements:

? Provide the ability to isolate the members of different project teams into separate communication channels and to keep a history of the chats within those channels.

? Be available on Windows 10, Mac OS, iOS, and Android operating systems.

? Provide the ability to add external contractors and suppliers to projects.

? Integrate directly with Azure DevOps.

What should you recommend?

- A. Microsoft Project
- B. Bamboo
- C. Microsoft Lync
- D. Microsoft Teams

Answer: D

Explanation:

? Within each team, users can create different channels to organize their communications by topic. Each channel can include a couple of users or scale to thousands of users.

? Microsoft Teams works on Android, iOS, Mac and Windows systems and devices.

It also works in Chrome, Firefox, Internet Explorer 11 and Microsoft Edge web browsers.

? The guest-access feature in Microsoft Teams allows users to invite people outside

their organizations to join internal channels for messaging, meetings and file sharing. This capability helps to facilitate business-to-business project management.

? Teams integrates with Azure DevOps.

References: <https://searchunifiedcommunications.techtarget.com/definition/Microsoft-Teams>

NEW QUESTION 89

HOTSPOT - (Topic 4)

You have a project in Azure DevOps that contains a release pipeline. The pipeline contains two stages named QA and Prod. QA deploys code to an Azure web app named webapp1. Prod deploys code to an Azure web app named webapp2.

You need to ensure that code deployments to webapp2 are blocked if Azure Application Insights generates Failed requests alerts following the deployment of new code to webapp1.

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

NOTE: Each correct selection is worth one point.

QA:	<div><div></div><div>Add a task to configure alert rules in Application Insights. Configure a gate in the pre-deployment conditions. Configure an auto-redeploy trigger in the post-deployment conditions Configure a post-deployment approval in the post-deployment conditions</div></div>
Prod:	<div><div></div><div>Add a task to configure an alert rule in Application Insights. Configure a gate in the pre-deployment conditions. Configure a trigger in the pre-deployment conditions. Configure the Deployment queue settings in the pre-deployment conditions.</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

QA:

Add a task to configure alert rules in Application Insights.

Configure a gate in the pre-deployment conditions.

Configure an auto-redeploy trigger in the post-deployment conditions

Configure a post-deployment approval in the post-deployment conditions

Prod:

Add a task to configure an alert rule in Application Insights.

Configure a gate in the pre-deployment conditions.

Configure a trigger in the pre-deployment conditions.

Configure the Deployment queue settings in the pre-deployment conditions.

NEW QUESTION 92

HOTSPOT - (Topic 4)

You manage build and release pipelines by using Azure DevOps. Your entire managed environment resides in Azure. You need to configure a service endpoint for accessing Azure Key Vault secrets. The solution must meet the following requirements:

- ? Ensure that the secrets are retrieved by Azure DevOps.
- ? Avoid persisting credentials and tokens in Azure DevOps.

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

NOTE: Each correct selection is worth one point.

Service connection type:

Azure Resource Manager

Generic service

Team Foundation Server / Azure Pipelines service connection

Authentication/authorization method for the connection:

Azure Active Directory OAuth 2.0

Grant authorization

Managed Service Identity Authentication

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Pipelines service connection

Box 2: Managed Service Identity Authentication

The managed identities for Azure resources feature in Azure Active Directory (Azure AD) provides Azure services with an automatically managed identity in Azure AD. You can use the identity to authenticate to any service that supports Azure AD authentication, including Key Vault, without any credentials in your code.

NEW QUESTION 95

- (Topic 4)

Your company uses Service Now for incident management. You develop an application that runs on Azure.

The company needs to generate a ticket in Service Now when the application fails to authenticate.

Which Azure Log Analytics solution should you use?

- A. Application Insights Connector
- B. Automation & Control
- C. IT Service Management Connector (ITSM)
- D. Insight & Analytics

Answer: C

Explanation:

The IT Service Management Connector (ITSMC) allows you to connect Azure and a supported IT Service Management (ITSM) product/service.

ITSMC supports connections with the following ITSM tools: ServiceNow

System Center Service Manager Provance

Cherwell

With ITSMC, you can

Create work items in ITSM tool, based on your Azure alerts (metric alerts, Activity Log alerts and Log Analytics alerts).

Optionally, you can sync your incident and change request data from your ITSM tool to an Azure Log Analytics workspace.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/itsmc-overview>

NEW QUESTION 97

- (Topic 4)

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 need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:

? The build must access an on-premises dependency management system.

? The build outputs must be stored as Server artifacts in Azure DevOps.

? The source code must be stored in a Git repository in Azure DevOps.

Solution: Configure the build pipeline to use a Microsoft-hosted agent pool running the Windows Server 2019 with Visual Studio 2019 image. Include the Java Tool Installer task in the build pipeline.

Does this meet the goal?

A. Yes

B. No

Answer: A

Explanation:

To build and deploy Windows, Azure, and other Visual Studio solutions you'll need at least one Windows agent. Windows agents can also build Java and Android apps.

The Azure Pipelines agent pool offers several virtual machine images to choose from, each including a broad range of tools and software. One such image is Windows Server 2019 with Visual Studio 2019.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/v2-windows?view=azure-devops>

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/hosted?view=azure-devops&tabs=yaml>

NEW QUESTION 99

- (Topic 4)

You are creating a dashboard in Azure Boards.

You need to visualize the time from when work starts on a work item until the work item is closed.

Which type of widget should you use?

A. cycle time

B. velocity

C. cumulative flow

D. lead time

Answer: D

NEW QUESTION 103

- (Topic 4)

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 integrate a cloud-hosted Jenkins server and a new Azure DevOps deployment. You need Azure DevOps to send a notification to Jenkins when a developer commits

changes to a branch in Azure Repos.

Solution: You create a service hook subscription that uses the build completed event Does this meet the goal?

A. Yes

B. No

Answer: B

Explanation:

You can create a service hook for Azure DevOps Services and TFS with Jenkins. However, the service subscription event should use the code pushed event, is triggered when the code is pushed to a Git repository.

NEW QUESTION 105

SIMULATION - (Topic 4)

You need to configure an Azure web app named az400-9940427-main to contain an environmental variable named "MAX_ITEMS". The environmental variable must have a value of 50.

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

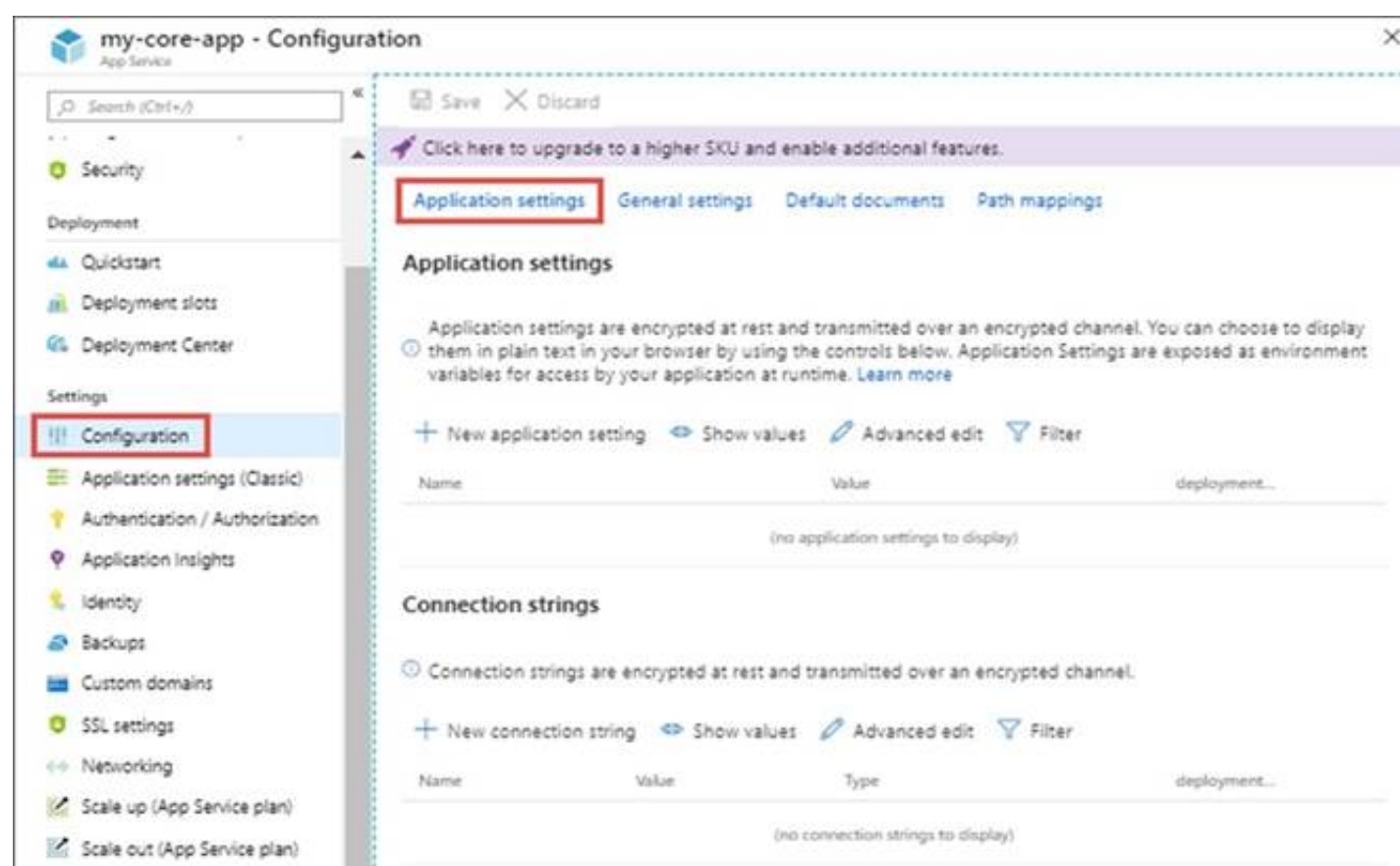
A. Mastered

B. Not Mastered

Answer: A

Explanation:

* 1. In the Azure portal, navigate to the az400-9940427-main app's management page. In the app's left menu, click Configuration > Application settings.



* 2. Click New Application settings

* 3. Enter the following:

? Name: MAX_ITEMS

? Value: 50

References:

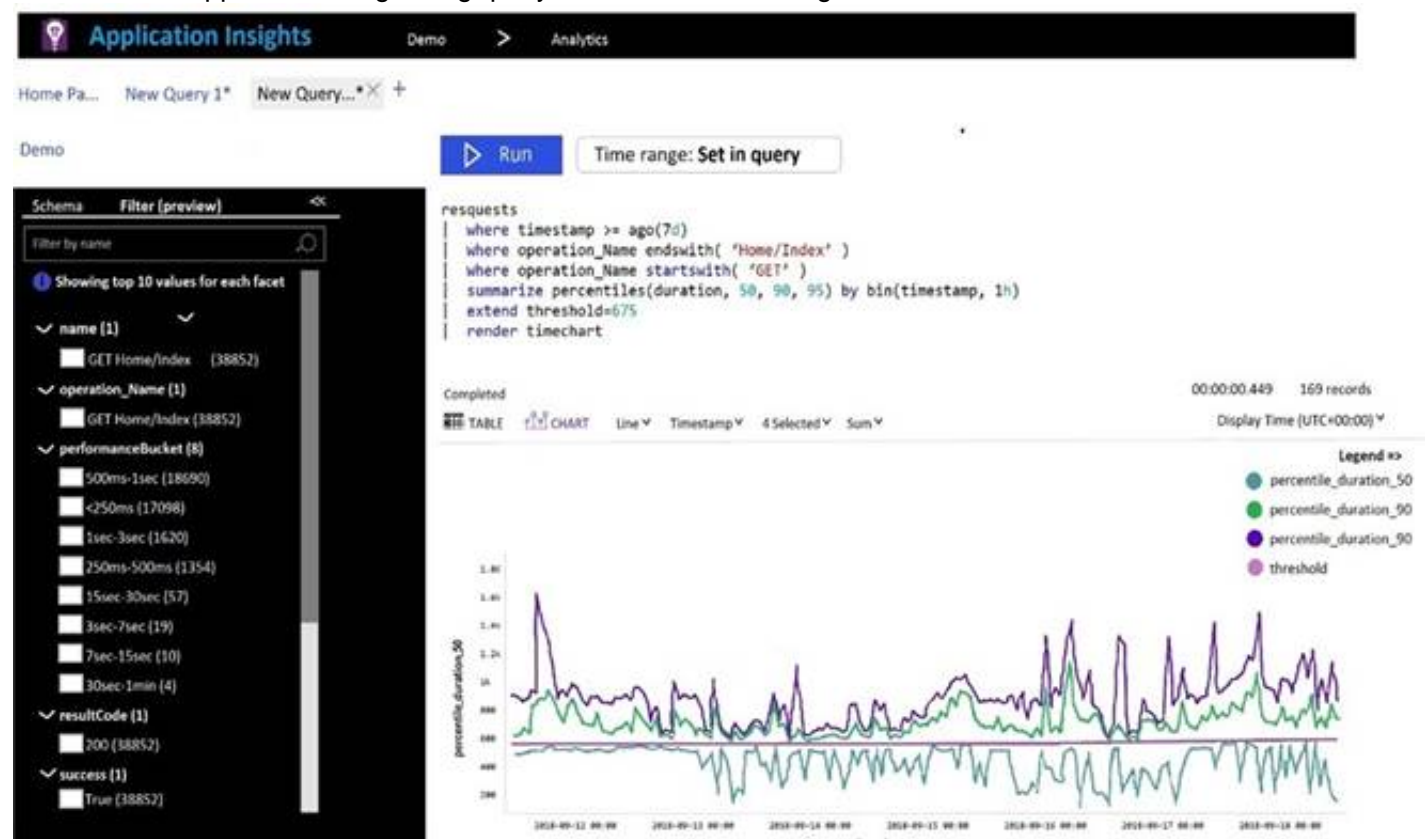
<https://docs.microsoft.com/en-us/azure/app-service/configure-common>

NEW QUESTION 107

HOTSPOT - (Topic 4)

You plan to create alerts that will be triggered based on the page load performance of a home page.

You have the Application Insights log query shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

To create an alert based on the page load experience of most users, the alerting level must be based on [answer choice].

	▼
percentile_duration_50	
percentile_duration_90	
percentile_duration_95	
threshold	

To only create an alert when authentication error occurs on the server, the query must be filtered on [answer choice].

	▼
item Type	
resultCode	
source	
success	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Timeline

Description automatically generated with low confidence Box 1: percentile_duration_95

Box 2: success For example – requests

| project name, url, success

| where success == "False"

This will return all the failed requests in my App Insights within the specified time range.

NEW QUESTION 112

- (Topic 4)

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 use Azure Pipelines to build and test a React.js application. You have a pipeline that has a single job.

You discover that installing JavaScript packages from 9pm takes approximately five minutes each time you run the pipeline.

You need to recommend a solution to reduce the pipeline execution time. Solution: You recommend using pipeline artifacts.

Does this meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Pipeline artifacts are a way to persist build outputs, test results, and other files generated during a pipeline run. They allow you to share data between stages, jobs, and pipelines,

and to persist data for longer than the lifetime of a pipeline run. While artifacts can be useful for sharing data between pipeline runs and reducing the time required to download dependencies, they are not a solution for reducing the time required to install JavaScript packages from 9pm during a pipeline run.

The solution of reducing the pipeline execution time could be achieved by using package caching, which allows you to store and reuse 9pm packages from previous pipeline runs. There are several package caching options available for Azure Pipelines, including the 9pm task, the 9pm cache task, and the 9pm ci task. All of these options allow you to configure caching for your 9pm packages, which can significantly reduce the time required to install packages during subsequent pipeline runs.

Another solution could be using a dedicated agent that has those packages already installed, this way the pipeline doesn't have to install them again.

You can find more information on package caching by following this link <https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/package/npm-cache?view=azure-devops>

NEW QUESTION 113

HOTSPOT - (Topic 4)

Your company is building a new web application.


You plan to collect feedback from pilot users on the features being delivered.

All the pilot users have a corporate computer that has Google Chrome and the Microsoft Test & Feedback extension installed. The pilot users will test the application by using Chrome.


You need to identify which access levels are required to ensure that developers can request and gather feedback from the pilot users. The solution must use the principle of least privilege.

Which access levels in Azure DevOps should you identify? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Developers:  ▼

Basic
Stakeholder

Pilot users:  ▼

Basic
Stakeholder

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Graphical user

interface, text, application Description automatically generated

Box 1: Basic

Assign Basic to users with a TFS CAL, with a Visual Studio Professional subscription, and to users for whom you are paying for Azure Boards & Repos in an organization.

Box 2: Stakeholder

Assign Stakeholders to users with no license or subscriptions who need access to a limited set of features.

Note:

You assign users or groups of users to one of the following access levels: Basic: provides access to most features

VS Enterprise: provides access to premium features

Stakeholders: provides partial access, can be assigned to unlimited users for free

NEW QUESTION 115

HOTSPOT - (Topic 4)

You have an application named App1 that has a custom domain of app.contoso.com. You create a test in Azure Application Insights as shown in the following exhibit.

Create test

^ Basic Information

* Test name

availability

Learn more about configuring tests against applications hosted behind a firewall

Test type

URL ping test

* URL ⓘ

https://app.contoso.com

Parse dependent requests ⓘ

☒

Enable retries for availability test failures. ⓘ

☐

Test frequency ⓘ

5 minutes

^ Test locations

4 location(s) configured

^ Success criteria

Test Timeout ⓘ

30 seconds

☒ HTTP response ⓘ

Status code must equal

200

☒ Content match ⓘ

Content must contain

Copyright Contoso

^ Alerts

Enabled

Create

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

The test will execute [answer choice].

▼
every 30 seconds at a random location
every 30 seconds per location
every five minutes at a random location
every five minutes per location

The test will pass if [answer choice] within 30 seconds.

▼
App1 responds to an ICMP ping
the HTML of App1 and the HTML from URLs in <a> tags load
all the HTML, JavaScripts, and images of App1 load

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: every five minutes at a random location

Test frequency: Sets how often the test is run from each test location. With a default frequency of five minutes and five test locations, your site is tested on average every minute.

Box 2:

Parse dependent requests: Test requests images, scripts, style files, and other files that are part of the web page under test. The recorded response time includes the time taken to get these files. The test fails if any of these resources cannot be successfully downloaded within the timeout for the whole test.

NEW QUESTION 120

HOTSPOT - (Topic 4)

You are finalizing a release in GitHub.

You need to apply the following labels to the release:

? Name

? Email

? Release v3.0

? Release date

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

NOTE: Each correct selection is worth one point.

git	▼	▼	v3.0	▼	"Release v3.0"
add	-a	-a			
commit	-b	-b			
push	-c	-c			
tag	-m	-m			

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1; tag

Tagging. Like most VCSs, Get has the ability to tag specific points in a repository's history as being important. Typically, people use this functionality to mark release points (v1.0, v2.0 and so on).

Box 2: -a

Creating an annotated tag in Get is simple. The easiest way is to specify -a when you run the tag command:

Example:

\$ get tag -a v1.4 -m "my version 1.4"

Box 3: -m

NEW QUESTION 122

- (Topic 4)

You manage source code control and versioning by using GitHub. A large file it committed to a repository accidentally.

You need to reduce the size of the repository. The solution must remove the file from the repository.

What should you use?

- A. bfg
- B. 1fs
- C. gvfs
- D. init

Answer: A

NEW QUESTION 123

SIMULATION - (Topic 4)

SIMULATION

You need to create and configure an Azure Storage account named az400lod11566895stor in a resource group named RG1lod11566895 to store the boot diagnostics for a virtual machine named VM1.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: To create a general-purpose v2 storage account in the Azure portal, follow these steps:

On the Azure portal menu, select All services. In the list of resources, type Storage Accounts. As you begin typing, the list filters based on your input. Select Storage Accounts. On the Storage Accounts window that appears, choose Add.

Select the subscription in which to create the storage account. Under the Resource group field, select RG1lod11566895

Next, enter a name for your storage account named: az400lod11566895stor Select Create.

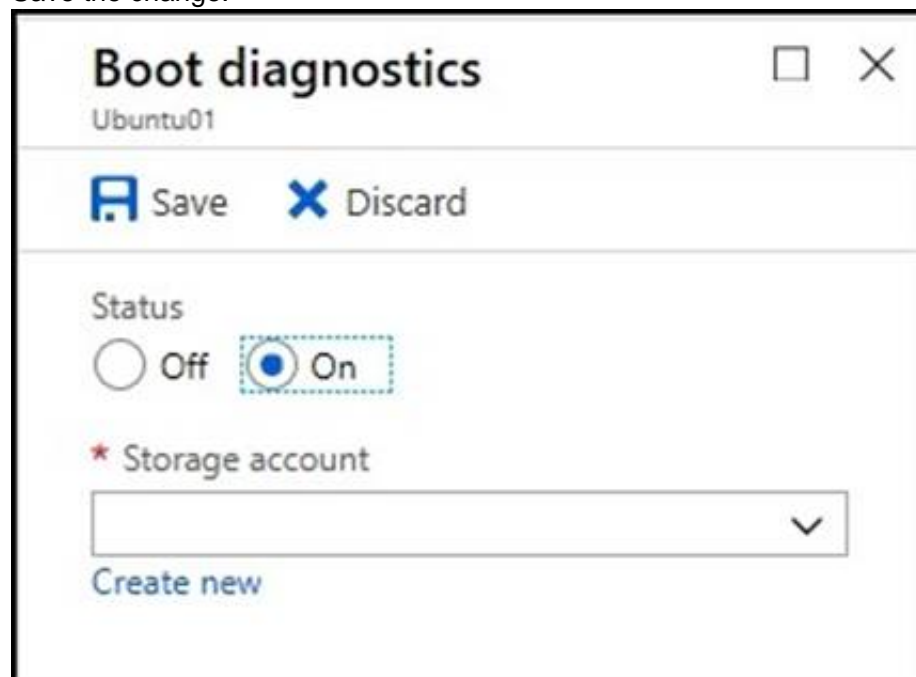
Step 2: Enable boot diagnostics on existing virtual machine

To enable Boot diagnostics on an existing virtual machine, follow these steps: Sign in to the Azure portal, and then select the virtual machine VM1.

In the Support + troubleshooting section, select Boot diagnostics, then select the Settings tab.

In Boot diagnostics settings, change the status to On, and from the Storage account drop- down list, select the storage account az400lod11566895stor.

Save the change.



You must restart the virtual machine for the change to take effect.

NEW QUESTION 127

- (Topic 4)

You are designing the security validation strategy for a project in Azure DevOps.

You need to identify package dependencies that have known security issues and can be resolved by an update.

What should you use?

- A. Octopus Deploy
- B. Jenkins
- C. Gradle
- D. SonarQube

Answer: D

Explanation:

With enterprise level of SonarQube you can use OWASP that runs the security scans for known vulnerabilities. <https://www.sonarqube.org/features/security/>
https://www.sonarqube.org/features/security/owasp/?gclid=Cj0KCQiAzZL- BRDnARIsAPCJs70Teq0-efl2Hd_h-kykCB7I_C7L88Q7kpiuTzuD6Xw1jUb6ZqIP7O0aApVzEALw_wcB

NEW QUESTION 129

DRAG DROP - (Topic 4)

You use GitHub Enterprise Server as a source code repository. You create an Azure DevOps organization named Contoso.

In the Contoso organization, you create a project named Project 1.

You need to link GitHub commits, pull requests, and issues to the work items of Project 1. The solution must use OAuth-based authentication

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.

Actions

From Project Settings in Azure DevOps, create a service hook subscription.

From Organization settings in Azure DevOps, add an OAuth configuration.

From Developer settings in GitHub Enterprise Server, register a new OAuth app.

From Project Settings in Azure DevOps, add a GitHub connection.

From Developer settings in GitHub Enterprise Server, generate a private key.

From Organization settings in Azure DevOps, connect to Azure Active Directory (Azure AD).

>

<

Answer Area

↑

↓

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: From Developer settings in GitHub Enterprise Server, register a new OAuth app. If you plan to use OAuth to connect Azure DevOps Services or Azure DevOps Server with your GitHub Enterprise Server, you first need to register the application as an OAuth App

Step 2: Organization settings in Azure DevOps, add an OAuth configuration Register your OAuth configuration in Azure DevOps Services.

Note:

- ? Sign into the web portal for Azure DevOps Services.
- ? Add the GitHub Enterprise Oauth configuration to your organization.
- ? Open Organization settings>Oauth configurations, and choose Add Oauth configuration.
- ? Fill in the form that appears, and then choose Create.

Step 3: From Project Settings in Azure DevOps, add a GitHub connection. Connect Azure DevOps Services to GitHub Enterprise Server

Choose the Azure DevOps logo to open Projects, and then choose the Azure Boards project you want to configure to connect to your GitHub Enterprise repositories.

Choose (1) Project Settings, choose (2) GitHub connections and then (3) Click here to connect to your GitHub Enterprise organization.

NEW QUESTION 132

- (Topic 4)

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

You have a project in Azure DevOps named Project1. Project1 is used to build a web app named App1 and deploy App1 to VMSS1.

You need to ensure that an email alert is generated whenever VMSS1 scales in or out. Solution: From Azure DevOps, configure the Notifications settings for Project1.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Notifications help you and your team stay informed about activity that occurs within your projects in Azure DevOps. You can get notified when changes occur to the following items:

- ? work items
- ? code reviews
- ? pull requests
- ? source control files
- ? builds

Reference:

<https://docs.microsoft.com/en-us/azure/devops/notifications/about-notifications?view=azure-devops>

NEW QUESTION 136

DRAG DROP - (Topic 4)

You have a web app named App1 that is hosted on multiple servers. App1 uses Application Insights in Azure Monitor.

You need to compare the dairy CPU usage from the last week for all servers.

How should you complete the query? To answer, drag the appropriate values to the correct targets. Each value 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.

Values

bin(timestamp,id)

bin(timestamp,1h)

project timechart

render chart

render timechart

>

<

Answer Area

```
...
performanceCounters
| where counter == "% Processor Time"
| where timestamp >= ago(7d)
| summarize avg(value) by cloud_RoleInstance,
|
...
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/performance-counters>

NEW QUESTION 138

- (Topic 4)

You are designing a YAML template for use with Azure Pipelines. The template Will include the Outputfile parameter.

Which two methods can you use to reference the parameter? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. `$(parameters['outputfile'])`
- B. `${{parameters.outputfile}}`
- C. `$(parameters.outputfile)`
- D. `$(parameters[outputfile])`
- E. `${{parameters['outputfile']}}`

- A. Option A
B. Option B
C. Option C
D. Option D
E. Option E

Answer: CD

NEW QUESTION 140

- (Topic 4)

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 Assurance for the project.

Does this meet the goal?

- A. Yes
B. No

Answer: A

Explanation:

The basic idea behind Continuous Assurance (CA) is to setup the ability to check for "drift" from what is considered a secure snapshot of a system. Support for Continuous Assurance

lets us treat security truly as a 'state' as opposed to a 'point in time' achievement. This is particularly important in today's context when 'continuous change' has become a norm.

There can be two types of drift:

? Drift involving 'baseline' configuration: This involves settings that have a fixed number of possible states (often pre-defined/statically determined ones). For instance, a SQL DB can have TDE encryption turned ON or OFF...or a Storage Account may have auditing turned ON however the log retention period may be less than 365 days.

? Drift involving 'stateful' configuration: There are settings which cannot be constrained within a finite set of well-known states. For instance, the IP addresses configured to have access to a SQL DB can be any (arbitrary) set of IP addresses. In such scenarios, usually human judgment is initially required to determine whether a particular configuration should be considered 'secure' or not. However, once that is done, it is important to ensure that there is no "stateful drift" from the attested configuration. (E.g., if, in a troubleshooting session, someone adds the IP address of a developer machine to the list, the Continuous Assurance feature should be able to identify the drift and generate notifications/alerts or even trigger 'auto-remediation' depending on the severity of the change).

Reference:

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

NEW QUESTION 143

- (Topic 4)

You have an Azure DevOps organization named Contoso, an Azure DevOps project named Project1, an

Azure subscription named Sub1, and an Azure key vault named vault1.

You need to ensure that you can reference the values of the secrets stored in vault1 in all the pipelines of Project1. The solution must prevent the values from being stored in the pipelines. What should you do?

- A. Create a variable group in Project1.
- B. Add a secure file to Project1.
- C. Modify the security settings of the pipelines.
- D. Configure the security policy of Contoso.

Answer: A

Explanation:

Use a variable group to store values that you want to control and make available across multiple pipelines.

References:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/library/variable-groups> <https://docs.microsoft.com/en-us/azure/devops/pipelines/library/variable-groups?view=azure-devops&tabs=yaml#link-secrets-from-an-azure-key-vault>

NEW QUESTION 145

HOTSPOT - (Topic 4)

You have an Azure web app named Webapp1.

You need to use an Azure Monitor query to create a report that details the top 10 pages of Webapp1 that failed.

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

NOTE: Each correct selection is worth one point.

exceptions
pageViews
requests
traces

| where

duration == 0
itemType == "availabilityResult"
resultCode == "200"
success == false

```
| summarize failedCount=sum(itemCount) by name, resultCode  
| top 10 by failedCount desc  
| render barchart
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: requests

Failed requests (requests/failed):

The count of tracked server requests that were marked as failed. Kusto code:

requests

| where success == 'False' Box 2: success == false

NEW QUESTION 148

- (Topic 4)

You are monitoring the health and performance of an Azure web app by using Azure Application Insights. You need to ensure that an alert is sent when the web app has a sudden rise in performance issues and failures. What should you use?

- A. Application Insights Profiler
- B. Continuous export
- C. Smart Detection
- D. custom events
- E. usage analysis

Answer: C

Explanation:

Smart Detection automatically warns you of potential performance problems and failure anomalies in your web application. It performs proactive analysis of the telemetry that your app sends to Application Insights. If there is a sudden rise in failure rates, or abnormal patterns in client or server performance, you get an alert.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/proactive-diagnostics>

NEW QUESTION 152

- (Topic 4)

You use Azure Pipelines to manage project builds and deployments.

You plan to use Azure Pipelines for Microsoft Teams to notify the legal team when a new build is ready for release. You need to configure the Organization

Settings in Azure DevOps to support Azure Pipelines for Microsoft Teams. What should you turn on?

- A. Azure Active Directory Conditional Access Policy Validation
- B. Alternate authentication credentials
- C. Third-party application access via OAuth
- D. SSH authentication

Answer: C

Explanation:

The Azure Pipelines app uses the OAuth authentication protocol, and requires Third-party application access via OAuth for the organization to be enabled. To enable this setting, navigate to Organization Settings > Security > Policies, and set the Third-party application access via OAuth for the organization setting to On.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/integrations/microsoft-teams>

NEW QUESTION 153

- (Topic 4)

You use GitHub for source control and project-related discussions.

You receive a notification when an entry is made to any team discussion.

You need to ensure that you receive email notifications only for discussions in which you commented or in which you are mentioned.

Which two Notifications settings should you clear? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Participating
- B. Automatically watch repositories
- C. Automatically watch teams
- D. Watching

Answer: BD

NEW QUESTION 157

- (Topic 4)

You have multi-tier application that has an Azure Web Apps front end and an Azure SQL Database back end.

You need to recommend a solution to capture and store telemetry data. The solution must meet the following requirements:

- Support using ad-hoc queries to identify baselines.
- Trigger alerts when metrics in the baseline are exceeded.
- Store application and database metrics in a central location. What should you include in the recommendation?

- A. Azure Application Insights
- B. Azure SQL Database Intelligent Insights
- C. Azure Event Hubs
- D. Azure Log Analytics

Answer: A

Explanation:

Azure Platform as a Service (PaaS) resources, like Azure SQL and Web Sites (Web Apps), can emit performance metrics data natively to Log Analytics.

The Premium plan will retain up to 12 months of data, giving you an excellent baseline ability.

There are two options available in the Azure portal for analyzing data stored in Log analytics and for creating queries for ad hoc analysis.

References: <https://docs.microsoft.com/en-us/azure/azure-monitor/platform/collect-azurepass-posh>

NEW QUESTION 158

- (Topic 4)

You plan to publish build artifacts by using an Azure pipeline.

You need to create an .artifactignore file that meets the following requirements:

- Includes all files in the build output folder and all subfolders
- Excludes files that have the .dll extension What should you include in the file?

- A. `./**
!*.*dll`
- B. `**/*
!*.*dll`
- C. `*/**
*.*dll`
- D. `**/*
#*.*dll`

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 163

- (Topic 3)

You need to perform the GitHub code migration. The solution must support the planned changes for the DevOps environment. What should you use?

- A. git clone
B. GitHub Importer
C. Import repository in Azure Repos
D. git-tfs

Answer: A

Explanation:

Woodgrove Bank plans to implement the following changes to the DevOps environment:

? Migrate all the source code from TFS1 to GitHub.

The Git-TFS tool is a two-way bridge between Team Foundation Version Control and Git, and can be used to perform a migration.

Reference:

<https://docs.microsoft.com/en-us/devops/develop/git/migrate-from-tfvc-to-git>

NEW QUESTION 166

HOTSPOT - (Topic 3)

You need to configure the alert for VM1. The solution must meet the technical requirements.

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

NOTE: Each correct selection is worth one point.

Alert logic

Threshold ⓘ

Static Dynamic

Operator ⓘ

Greater than ▾

Aggregation type * ⓘ

Average ▾

Threshold value * ⓘ

▾ %

Condition preview

Whenever the average percentage cpu is greater than <logic undefined> %

Evaluated based on

Aggregation granularity (Period) * ⓘ

5 minutes ▾

Frequency of evaluation ⓘ

Every 1 Minute ▾

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Setting 1: Threshold value Set to 80 %

Scenario: An Azure Monitor alert for VM1 must be configured to meet the following requirements:
? Be triggered when average CPU usage exceeds 80 percent for 15 minutes.
? Calculate CPU usage averages once every minute.
Setting 2: Aggregation granularity Set to 15 minutes.

NEW QUESTION 168

HOTSPOT - (Topic 2)

How should you configure the filters for the Project5 trigger? To answer, select the appropriate option in the answer area.
NOTE: Each correct selection is worth one point.

Set a

▼

/folder1.

branch filter to exclude

branch filter to include

path filter to exclude

path filter to include

Set a

▼

/.

branch filter to exclude

branch filter to include

path filter to exclude

path filter to include

@

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Project5 will contain a Git repository in Azure Reports and a continuous integration trigger that will initiate a build in response to any change except for changes within /folder1 of the repository.

Scenario:
References: <https://docs.microsoft.com/en-us/azure/devops/pipelines/build/triggers>

NEW QUESTION 171

- (Topic 2)

In Azure DevOps, you create Project3.
You need to meet the requirements of the project. What should you do first?

- A. From Azure DevOps, create a service endpoint.
- B. From Sonar Qube, obtain an authentication token.
- C. From Azure DevOps, modify the build definition.
- D. From Sonar Qube , create a project.

Answer: A

Explanation:

The first thing to do is to declare your Sonar Qube server as a service endpoint in your VSTS/DevOps project settings.
References: <https://docs.sonarqube.org/display/SCAN/Analyzing+with+SonarQube+Extension+for+vsts-> TFS

NEW QUESTION 174

DRAG DROP - (Topic 2)

You need to implement the code flow strategy for Project2 in Azure DevOps.
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.

Actions

- Create a repository
- Add a build policy for the fork.
- Create a branch.
- Add a build policy for the master branch.
- Add an application access policy.
- Create a fork.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

- Create a repository
- Add a build policy for the fork.
- Create a branch.
- Add a build policy for the master branch.
- Add an application access policy.
- Create a fork.

Answer Area

- Create a repository
- Add a build policy for the master branch.
- Create a branch.

NEW QUESTION 176

HOTSPOT - (Topic 1)

Where should the build and release agents for the investment planning application suite run? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Build agent:

- A hosted service
- A source control system
- The developers' computers

Release agent:

- A hosted service
- A source control system
- The developers' computers

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: A source control system

A source control system, also called a version control system, allows developers to collaborate on code and track changes. Source control is an essential tool for multi- developer projects.

Box 2: A hosted service

To build and deploy Xcode apps or Xamarin.iOS projects, you'll need at least one macOS agent. If your pipelines are in Azure Pipelines and a Microsoft-hosted agent meets your needs, you can skip setting up a self-hosted macOS agent.

Scenario: The investment planning applications suite will include one multi-tier web application and two iOS mobile applications. One mobile application will be used by employees; the other will be used by customers.

References:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/v2-osx?view=azure-devops>

NEW QUESTION 181

- (Topic 1)

You have a project in Azure DevOps.

You plan to deploy a self-hosted agent by using an unattended configuration script. Which two values should you define in the configuration script? Each correct

answer
presents part of the solution.
NOTE: Each correct selection is worth one point.

- A. authorization credentials
- B. the project name
- C. the deployment group name
- D. the organization URL
- E. the agent pool name

Answer: CE

Explanation:

Unattended config:
The agent can be set up from a script with no human intervention. You must pass -- unattended and the answers to all questions.
To configure an agent, it must know the URL to your organization or collection and credentials of someone authorized to set up agents. All other responses are optional. Reference:
<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/v2-windows>

NEW QUESTION 186

DRAG DROP - (Topic 1)

Which package feed access levels should be assigned to the Developers and Team Leaders groups for the investment planning applications suite? To answer, drag the appropriate access levels to the correct groups. Each access 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.

Access Levels	Answer Area
Collaborator	Developers: <input type="text"/>
Contributor	Team Leaders: <input type="text"/>
Owner	
Reader	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Reader

Members of a group named Developers must be able to install packages.

Feeds have four levels of access: Owners, Contributors, Collaborators, and Readers. Owners can add any type of identity-individuals, teams, and groups-to any access level.

Box 2: Owner

Members of a group named Team Leaders must be able to create new packages and edit the permissions of package feeds.

Permission	Reader	Collaborator	Contributor	Owner
List and restore/install packages	✓	✓	✓	✓
Save packages from upstream sources		✓	✓	✓
Push packages			✓	✓
Unlist/deprecate packages			✓	✓
Delete/unpublish package				✓
Edit feed permissions				✓
Rename and delete feed				✓

NEW QUESTION 188

HOTSPOT - (Topic 1)

How should you configure the release retention policy for the investment planning depletions suite? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Required secrets:

▼
Certificate
Personal access token
Shared Access Authorization token
Username and password

Storage location:

▼
Azure Data Lake
Azure Key Vault
Azure Storage with HTTP access
Azure Storage with HTTPS access

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Every request made against a storage service must be authorized, unless the request is for a blob or container resource that has been made available for public or signed access. One option for authorizing a request is by using Shared Key.

Scenario: The mobile applications must be able to call the share pricing service of the existing retirement fund management system. Until the system is upgraded, the service will only support basic authentication over HTTPS.

The investment planning applications suite will include one multi-tier web application and two iOS mobile application. One mobile application will be used by employees; the other will be used by customers.

References: <https://docs.microsoft.com/en-us/rest/api/storageservices/authorize-with-shared-key>

NEW QUESTION 191

- (Topic 4)

You have an Azure DevOps organization named Contoso that contains a project named Project 1.

You provision an Azure key vault name Keyvault1.

You need to reference Keyvault1 secrets in a build pipeline of Project1. What should you do first?

- A. Create an XAML build service.
- B. Create a variable group in Project1.
- C. Add a secure file to Project1.
- D. Configure the security policy of Contoso.

Answer: C

Explanation:

Before this will work, the build needs permission to access the Azure Key Vault. This can be added in the Azure Portal.

Open the Access Policies in the Key Vault and add a new one. Choose the principle used in the DevOps build.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/release/azure-key-vault>

NEW QUESTION 195

HOTSPOT - (Topic 4)

You are designing YAML-based Azure pipelines for the apps shown in the following table.

Name	Platform	Release requirements
App1	Azure virtual machine	Replace a fixed set of existing instances of the previous version of App1 with instances of the new version of the app in each iteration.
App2	Azure Kubernetes Service (AKS) cluster	Roll out a limited deployment of the new version of App2 to validate the functionality of the app. Once testing is successful, expand the rollout.

You need to configure the YAML strategy value for each app. The solution must minimize app downtime.

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

NOTE: Each correct selection is worth one point.

App1:

	▼
canary	
rolling	
runonce	

App2:

	▼
canary	
rolling	
runonce	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

App1: rolling

A rolling deployment replaces instances of the previous version of an application with instances of the new version of the application on a fixed set of virtual machines (rolling set) in each iteration.

App2: canary

Canary deployment strategy is an advanced deployment strategy that helps mitigate the risk involved in rolling out new versions of applications. By using this strategy, you can roll out the changes to a small subset of servers first. As you gain more confidence in the new version, you can release it to more servers in your infrastructure and route more traffic to it.

NEW QUESTION 196

- (Topic 4)

You are designing an Azure DevOps strategy for your company's development team. You suspect that the team's productivity is low due to accumulate technical debt. You need to recommend a metric to assess the amount of the team's technical debt. What should you recommend?

- A. the number of code modules in an application
- B. the number of unit test failures
- C. the percentage of unit test failures
- D. the percentage of overall time spent on rework

Answer: D

NEW QUESTION 201

HOTSPOT - (Topic 4)

You have a virtual machine that runs Windows Server 2019 and is managed by using Desired State Configuration (DSC).

You have the following DSC configuration.

```
configuration WebConfiguration
{
    File WebsiteContent {
        Ensure          = 'Present'
        SourcePath       = 'c:\test\index.htm'
        DestinationPath  = 'c:\inetpub\wwwroot'
        DependsOn        = '[WindowsFeature]Web-Server'
    }

    WindowsFeature Web-Server
    {
        Ensure = 'Present'
        Name   = 'Web-Server'
    }
}
```

You have the following Local Configuration Manager (LCM) configuration.

```
LocalConfigurationManager
{
    ConfigurationMode = "ApplyAndMonitor"
    RefreshFrequencyMins = 30
    ConfigurationModeFrequencyMins = 60
    RefreshMode = 'Push'
}
```

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
The Index.htm file will be copied to the C:\Test folder before the Web-Server Windows feature is installed.	<input type="radio"/>	<input type="radio"/>
If manual changes are made to the configuration of the virtual machine, the configuration will reapply automatically.	<input type="radio"/>	<input type="radio"/>
If the Web-Server Windows feature is uninstalled from the virtual machine, the discrepancy will be reported in a log entry within 60 minutes.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

No "Dependson are defined" No "Mode is Apply and Monitor"

Yes "Configuration Mode FreqMin : 60 "

Configuration Mode Freq Min:How often, in minutes, the current configuration is checked and applied. This property is ignored if the Configuration Mode property is set to Apply Only.

[https://docs.microsoft.com/en-us/powershell/dsc/managing-nodes/metaconfig?view=dsc- 1.1](https://docs.microsoft.com/en-us/powershell/dsc/managing-nodes/metaconfig?view=dsc-1.1)

<https://docs.microsoft.com/en-us/powershell/dsc/configurations/resource-depends-on?view=dsc-1.1>

NEW QUESTION 203

- (Topic 4)

You have an Azure subscription that contains the resources shown in the following table.

Name	Type
Feed1	Azure Artifacts feed
Project1	Project in Azure DevOps

Project1 produces 9pm packages that are published to Feed1. Feed1 is consumed by multiple projects.

You need to ensure that only tested packages are available for consumption. The solution must minimize development effort.

What should you do?

- A. Create a feed view named @default
- B. After the 9pm packages test successfully, configure a release pipeline that tags the packages as release.
- C. Create a feed view named @release and set @release as the default vie
- D. After the9pm packages test successfully, configure a release pipeline that tags the packages as release.
- E. Create a feed view named @release and set @release as the default view After the 9pm packages test successfully, configure a release pipeline that promotes a package to the @release view.
- F. Create a feed view named @default
- G. After the 9pm packages test successfully, configure a release pipeline that promotes a package to the @default view.

Answer: C

Explanation:

By creating a feed view named "release" and setting it as the default view, packages that are published to the feed will not be immediately available for consumption. After the 9pm packages are tested successfully, you can configure a release pipeline that promotes a package to the @release view. This ensures that only tested packages are available for consumption and minimizes development effort as it doesn't require any additional steps to be taken by the consumer of the feed.

Reference:

Azure DevOps Docs: Create a feed and views <https://docs.microsoft.com/en-us/azure/devops/artifacts/feeds/create-feed?view=azure-devops>

Azure DevOps Docs: Promote a package <https://docs.microsoft.com/en-us/azure/devops/artifacts/feeds/promote-package?view=azure-devops>

NEW QUESTION 207

- (Topic 4)

You have an Azure subscription that contains multiple Azure pipelines.

You need to deploy a monitoring solution for the pipelines. The solution must meet the following requirements:

- Parse logs from multiple sources
- Identify the root cause of issues.

What advanced feature of a monitoring tool should you include in the solution?

- A. synthetic monitoring
- B. Alert Management
- C. analytics
- D. directed monitoring

Answer: C

Explanation:

An analytics feature in a monitoring solution would allow you to parse logs from multiple sources and analyze them to identify the root cause of issues in your Azure pipelines. This feature would typically provide tools for searching, filtering, and visualizing log data, as well as for identifying patterns and anomalies. With analytics, you can also create custom dashboards and alerts to monitor your pipelines and quickly identify and troubleshoot any issues.

NEW QUESTION 211

- (Topic 4)

You are integrating an Azure Boards project and a GitHub repository. You need to authenticate Azure Boards to GitHub.

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

NOTE: Each correct selection is worth one point.

- A. a trusted root certificate
- B. a publisher certificate
- C. Azure Active Directory (Azure AD)
- D. GitHub user credentials
- E. a personal access token (PAT)

Answer: CD

NEW QUESTION 214

- (Topic 4)

You use GitHub for source control of .NET applications.

You need to deploy a documentation solution that meets the following requirements:

- ? Documents will be written in Markdown as developers make code changes
- ? Changes to the documents will trigger the recompilation of a static website.
- ? Users will access the documents from the static websites
- ? Documents will be stored in a GitHub repository

Which two tools can you use to compile the website? Each correct answer presents a complete solution.

- A. Jekyll
- B. Medium
- C. caret
- D. WordPress
- E. Doc FX

Answer: AD

Explanation:

A. Jekyll is a static site generator that can be used to generate a static website from Markdown files stored in a GitHub repository. Jekyll supports the use of Markdown for writing documentation, and it can automatically recompile the website whenever changes are made to the documentation.

* E. Doc FX is another tool that can be used to compile a static website from Markdown files stored in a GitHub repository. It is an open-source tool that can be used to generate API documentation, reference documentation, and other types of documentation from source code and other files. Doc FX supports the use of Markdown for writing documentation and it can automatically recompile the website whenever changes are made to the documentation.

NEW QUESTION 215

DRAG DROP - (Topic 4)

You have a project in Azure DevOps named Project1 that has a release pipeline in Azure Pipeline named ReleaseP1.

you need to ensure that when a new release is generated for ReleaseP1, a new release note document is created. The release notes must contain new features and bug fixes.

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

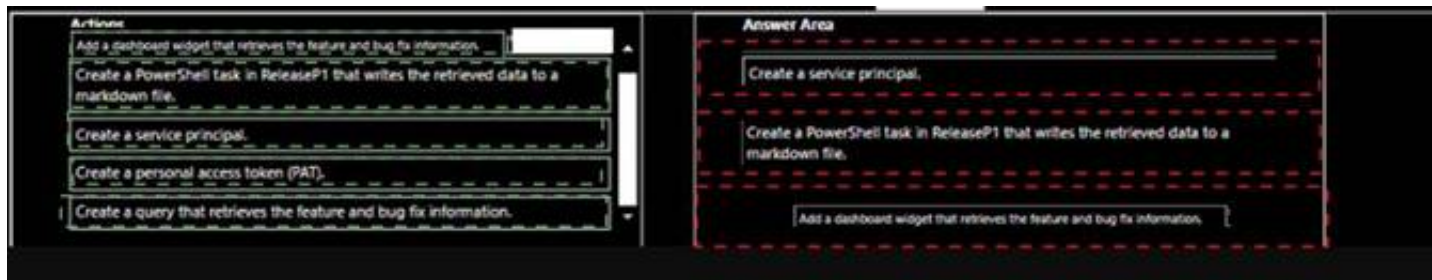
NOTE: More than one order of answer choices is correct You will receive credit for any of the correct orders you select

Available	Answer Area
Add a dashboard widget that retrieves the feature and bug fix information.	
Create a PowerShell task in ReleaseP1 that writes the retrieved data to a markdown file.	
Create a service principal.	
Create a personal access token (PAT).	
Create a query that retrieves the feature and bug fix information.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**NEW QUESTION 217**

- (Topic 4)

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 have an Azure pipeline that is used to deploy a web app. The pipeline includes a test suite named TestSuite1. TestSuite1 is used to validate the operations of the web app.

TestSuite1 fails intermittently.

You identify that the failures are unrelated to changes in the source code and execution environment.

You need to minimize troubleshooting effort for the TestSuite1 failures. Solution: You implement the Test Results Trend widget.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 222

- (Topic 4)

Your company implements an Agile development methodology. You plan to implement retrospectives at the end of each sprint.

Which three questions should you include? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Who performed well?
- B. Who should have performed better?
- C. What could have gone better?
- D. What went well?
- E. What should we try next?

Answer: CDE

Explanation:

<https://www.scrum.org/resources/what-is-a-sprint-retrospective>

NEW QUESTION 223

- (Topic 4)

You have an Azure DevOps project named Project1 and an Azure subscription named Sub1. Sub1 contains an Azure virtual machine scale set named VMSS1. VMSS1 hosts a web application named WebApp1.

WebApp1 uses stateful sessions.

The WebApp1 installation is managed by using the Custom Script extension. The script resides in an Azure Storage account named sa1.

You plan to make a minor change to a UI element of WebApp1 and to gather user feedback about the change.

You need to implement limited user testing for the new version of WebApp1 on VMSS1. Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Modify the load balancer settings of VMSS1.
- B. Redeploy VMSS1.
- C. Upload a custom script file to sa1.
- D. Modify the Custom Script extension settings of VMSS1.
- E. Update the configuration of a virtual machine in VMSS1.

Answer: BCD

NEW QUESTION 226

- (Topic 4)

You use a Git repository in Azure Repos to manage the source code of a web application. Developers commit changes directly to the master branch.

You need to implement a change management procedure that meets the following requirements:

The master branch must be protected, and new changes must be built in the feature branches first.

Changes must be reviewed and approved by at least one release manager before each merge.

Changes must be brought into the master branch by using pull requests. What should you configure in Azure Repos? D18912E1457D5D1DDCBD40AB3BF70D5D

- A. branch policies of the master branch
- B. Services in Project Settings
- C. Deployment pools in Project Settings
- D. branch security of the master branch

Answer: A

Explanation:

Branch policies help teams protect their important branches of development. Policies enforce your team's code quality and change management standards. Reference: <https://docs.microsoft.com/en-us/azure/devops/repos/git/branch-policies>

NEW QUESTION 229

HOTSPOT - (Topic 4)

You use Azure DevOps to manage the build and deployment of an app named App1. You have a release pipeline that deploys a virtual machine named VM1.

You plan to monitor the release pipeline by using Azure Monitor

You need to create an alert to monitor the performance of VM1. The alert must be triggered when the average CPU usage exceeds 70 percent for five minutes.

The alert must calculate the average once every minute.

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

Answer Area

Aggregation granularity (Period):	<div>1 minute</div> <div>5 minutes</div>
Threshold value:	<div>Static</div> <div>Dynamic</div>
Operator:	<div>Greater than</div> <div>Greater than or equal to</div> <div>Less than or equal to</div> <div>Less than</div>

- A. Mastered
- B. Not Mastered

Answer: A**Explanation:**

Box 1: 5 minutes

The alert must calculate the average once every minute.

Note: We [Microsoft] recommend choosing an Aggregation granularity (Period) that is larger than the Frequency of evaluation, to reduce the likelihood of missing the first

evaluation of added time series Box 2: Static

Box 3: Greater than

Example, say you have an App Service plan for your website. You want to monitor CPU usage on multiple instances running your web site/app. You can do that using a metric alert rule as follows:

? Target resource: myAppServicePlan

? Metric: Percentage CPU

? Condition Type: Static

? Dimensions

? Instance = InstanceName1, InstanceName2

? Time Aggregation: Average

? Period: Over the last 5 mins

? Frequency: 1 min

? Operator: GreaterThan

? Threshold: 70

? Like before, this rule monitors if the average CPU usage for the last 5 minutes exceeds 70%.

? Aggregation granularity

NEW QUESTION 232

- (Topic 4)

You have a private distribution group that contains provisioned and unprovisioned devices.

You need to distribute a new iOS application to the distribution group by using Microsoft Visual Studio App Center.

What should you do?

- A. Request the Apple ID associated with the user of each device.
- B. Register the devices on the Apple Developer portal.
- C. Create an active subscription in App Center Test.
- D. Add the device owner to the organization in App Center.

Answer: B**Explanation:**

When releasing an iOS app signed with an ad-hoc or development provisioning profile, you must obtain tester's device IDs (UDIDs), and add them to the provisioning profile before compiling a release. When you enable the distribution group's Automatically manage devices setting, App Center automates the before mentioned operations and removes the constraint for you to perform any manual tasks. As part of automating the workflow, you must provide the user name and password for your Apple ID and your production certificate in a .p12 format.

App Center starts the automated tasks when you distribute a new release or one of your testers registers a new device. First, all devices from the target distribution group will be registered, using your Apple ID, in your developer portal and all provisioning profiles used in the app will be generated with both new and existing device ID. Afterward, the newly generated provisioning profiles are downloaded to App Center servers.

References:

<https://docs.microsoft.com/en-us/appcenter/distribution/groups>

NEW QUESTION 236

SIMULATION - (Topic 4)

You need to configure a virtual machine named VM1 to securely access stored secrets in an Azure Key Vault named az400-11566895-kv.

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

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

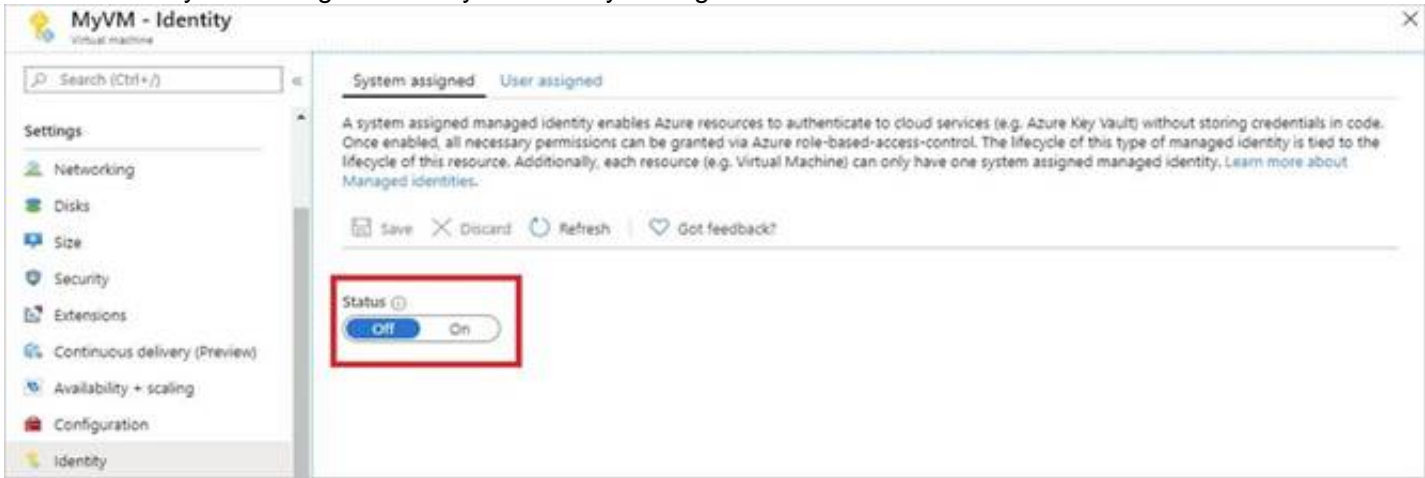
You can use a system-assigned managed identity for a Windows virtual machine (VM) to access Azure Key Vault.

? Sign in to Azure portal

? Locate virtual machine VM1.

? Select Identity

? Enable the system-assigned identity for VM1 by setting the Status to On.



Note: Enabling a system-assigned managed identity is a one-click experience. You can either enable it during the creation of a VM or in the properties of an existing VM.

NEW QUESTION 238

- (Topic 4)

You use Calendar Versioning (CalVer) for code assets.

You need to store an optional tag of beta as part of the version. Which part of the version should you use for the tag?

- A. micro
- B. minor
- C. major
- D. modifier

Answer: D

NEW QUESTION 242

DRAG DROP - (Topic 4)

You have an Azure subscription that uses Azure Automation State Configuration to manage the configuration of virtual machines.

You need to identify which nodes are noncompliant.

How should you complete the query? To answer, drag the appropriate values to the correct targets. Each value 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.

Values	Answer Area
Category	AzureDiagnostics
DscReportStatus	where [] == "DscNodeStatus"
Message	where [] contains ""
OperationName	where [] != "Compliant"
Resource	
ResultType	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://learn.microsoft.com/fr-fr/azure/automation/automation-dsc-diagnostics>

NEW QUESTION 245

- (Topic 4)

You have the following Azure policy.


```
if: {
  allof: [
    {
      "field": "type",
      "equals": "Microsoft.Storage/storageAccounts"
    },
    {
      "field": "Microsoft.Storage/storageAccounts/supportsHttpsTrafficOnly",
      "notEquals": "true"
    }
  ]
},
then: {
  effect: "deny"
}
```

You assign the policy to the Tenant root group. What is the effect of the policy?

- A. prevents all http traffic to existing Azure Storage accounts
- B. ensures that all traffic to new Azure Storage accounts is encrypted
- C. prevents HTTPS traffic to new Azure Storage accounts when the accounts are accessed over the Internet
- D. ensures that all data for new Azure Storage accounts is encrypted at rest

Answer: B

Explanation:

Denies non HTTPS traffic.

NEW QUESTION 248

- (Topic 4)

Your company has a release pipeline in an Azure DevOps project.

You plan to deploy to an Azure Kubernetes Services (AKS) cluster by using the Helm package and deploy task.

You need to install a service in the AKS namespace for the planned deployment. Which service should you install?

- A. Azure Container Registry
- B. Chart
- C. Kubectl
- D. Tiller

Answer: D

Explanation:

Before you can deploy Helm in an RBAC-enabled AKS cluster, you need a service account and role binding for the Tiller service.

Reference:

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-helm>

NEW QUESTION 252

- (Topic 4)

You are evaluating the use of code review assignments in GitHub.

Which two requirements can be met by using code review assignments? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point

- A. Automatically choose and assign reviewers based on a list of available personnel
- B. Automatically choose and assign reviewers based on who has the most completed review requests.
- C. Ensure that each team member reviews an equal number of pull requests during any 30-day period.
- D. Automatically choose and assign reviewers based on who received the least recent review requests.

Answer: AC

NEW QUESTION 255

- (Topic 4)

You are creating a build pipeline in Azure Pipelines.

You define several tests that might fail due to third-party applications.

You need to ensure that the build pipeline completes successfully if the third-party applications are unavailable.

What should you do?

- A. Configure the build pipeline to use parallel jobs
- B. Configure flaky tests
- C. Increase the test pass percentage
- D. Add the Requirements quality widget to your dashboard

Answer: B

NEW QUESTION 260

- (Topic 4)

You have a GitHub Enterprise account.

You need to enable push protection for secret scanning of the account repositories. What should you do first?

- A. Purchase Premium Plus support.

- B. Enforce multi-factor authentication (MFA).
- C. Purchase a GitHub Advanced Security license.
- D. Create an access policy for secrets.

Answer: C

NEW QUESTION 264

DRAG DROP - (Topic 4)

You use Semantic Versioning (Sem Ver) as a dependency versioning strategy. You perform changes to code as shown in the following table.

Name	New functionality	Change incompatibility
Change1	Yes	Minor
Change2	Yes	Significant
Change3	No	Minor

Which part of the version should you increment for each change? To answer, drag the appropriate parts to the correct changes. Each part 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.

Parts	Answer Area
Major	Change1: <input type="text"/>
Minor	Change2: <input type="text"/>
Patch	Change3: <input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Parts	Answer Area
Major	Change1: Minor
Minor	Change2: Patch
Patch	Change3: Patch

NEW QUESTION 268

- (Topic 4)

You are automating the build process for a Java-based application by using Azure DevOps. You need to add code coverage testing and publish the outcomes to the pipeline.

What should you use?

- A. Cobertura
- B. JUnit
- C. Coverage.py
- D. Bullseye Coverage

Answer: A

NEW QUESTION 271

- (Topic 4)

You are developing a multi-tier application. The application will use Azure App Service web apps as the front end and an Azure SQL database as the back end. The application will use Azure functions to write some data to Azure Storage.

You need to send the Azure DevOps team an email message when the front end fails to return a status code of 200.

Which feature should you use?

- A. Service Map in Azure Log Analytics
- B. Profiler in Azure Application Insights
- C. availability tests in Azure Application Insights
- D. Application Map in Azure Application Insights

Answer: D

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/monitor-web-app-availability>

NEW QUESTION 275

DRAG DROP - (Topic 4)

You need to deploy Internet Information Services (IIS) to an Azure virtual machine that runs Windows Server 2022

How should you complete the Desired State Configuration (DSC) configuration script? To answer, drag the appropriate values to the correct locations. Each value 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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 280

- (Topic 4)

You have an Azure Resource Manager template that deploys a multi-tier application.

You need to prevent the user who performs the deployment from viewing the account credentials and connection strings used by the application.

What should you use?

- A. an Azure Resource Manager parameter file
- B. an Azure Storage table
- C. an Appsettings.json files
- D. Azure Key Vault
- E. a Web.config file

Answer: D

Explanation:

When you need to pass a secure value (like a password) as a parameter during deployment, you can retrieve the value from an Azure Key Vault. You retrieve the value by referencing the key vault and secret in your parameter file. The value is never exposed because you only reference its key vault ID. The key vault can exist in a different subscription than the resource group you are deploying to.

References: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-keyvault-parameter>

NEW QUESTION 285

- (Topic 4)

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

Answer: B

Explanation:

Instead implement Continuous Assurance for the project.

Reference:

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

NEW QUESTION 289

SIMULATION - (Topic 4)

You plan to deploy a template named D:\Deploy.json to a resource group named Deploy- lod9940427.

You need to modify the template to meet the following requirements, and then to deploy the template:

? The address space must be reduced to support only 256 total IP addresses.

? The subnet address space must be reduced to support only 64 total IP addresses.

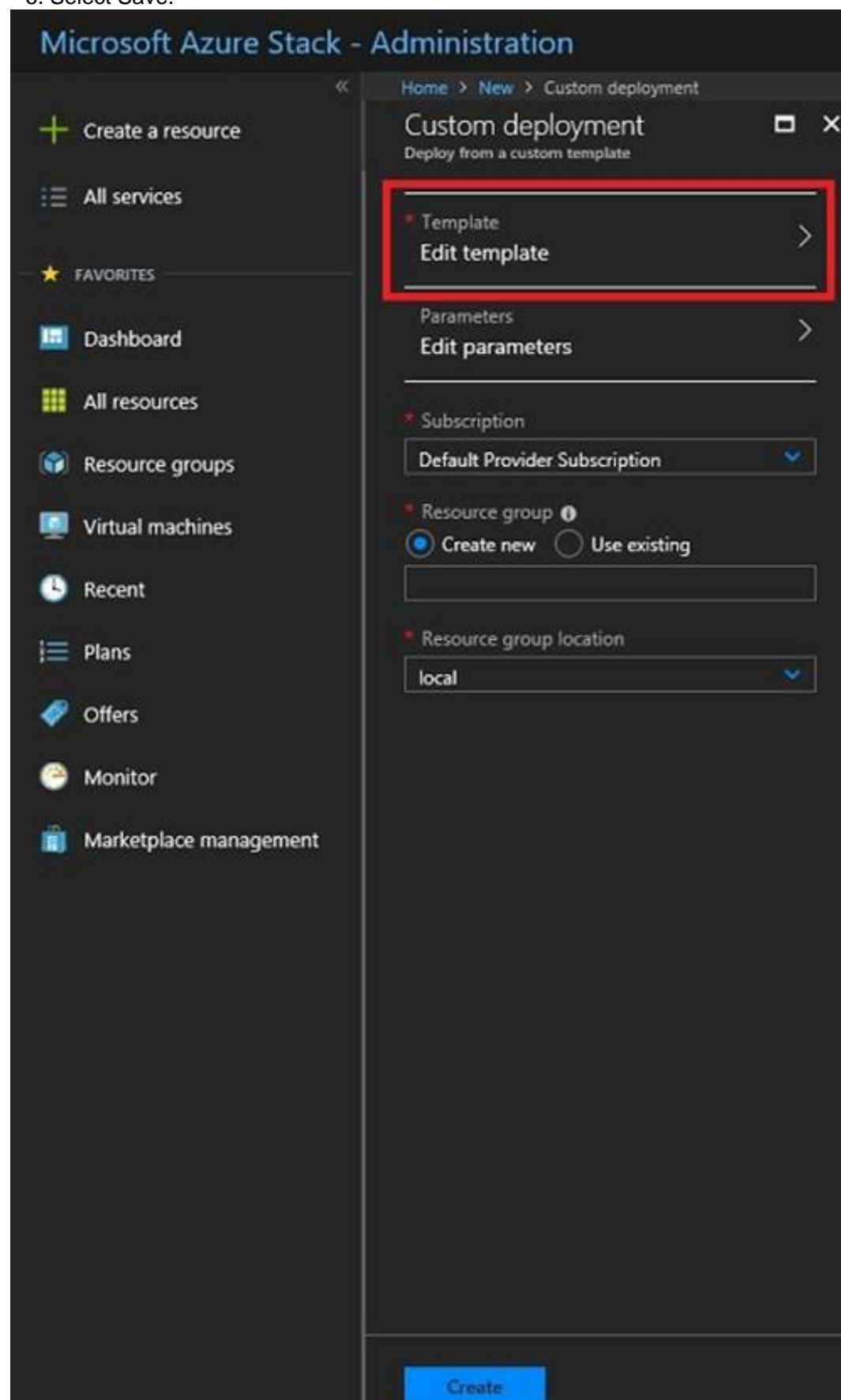
To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

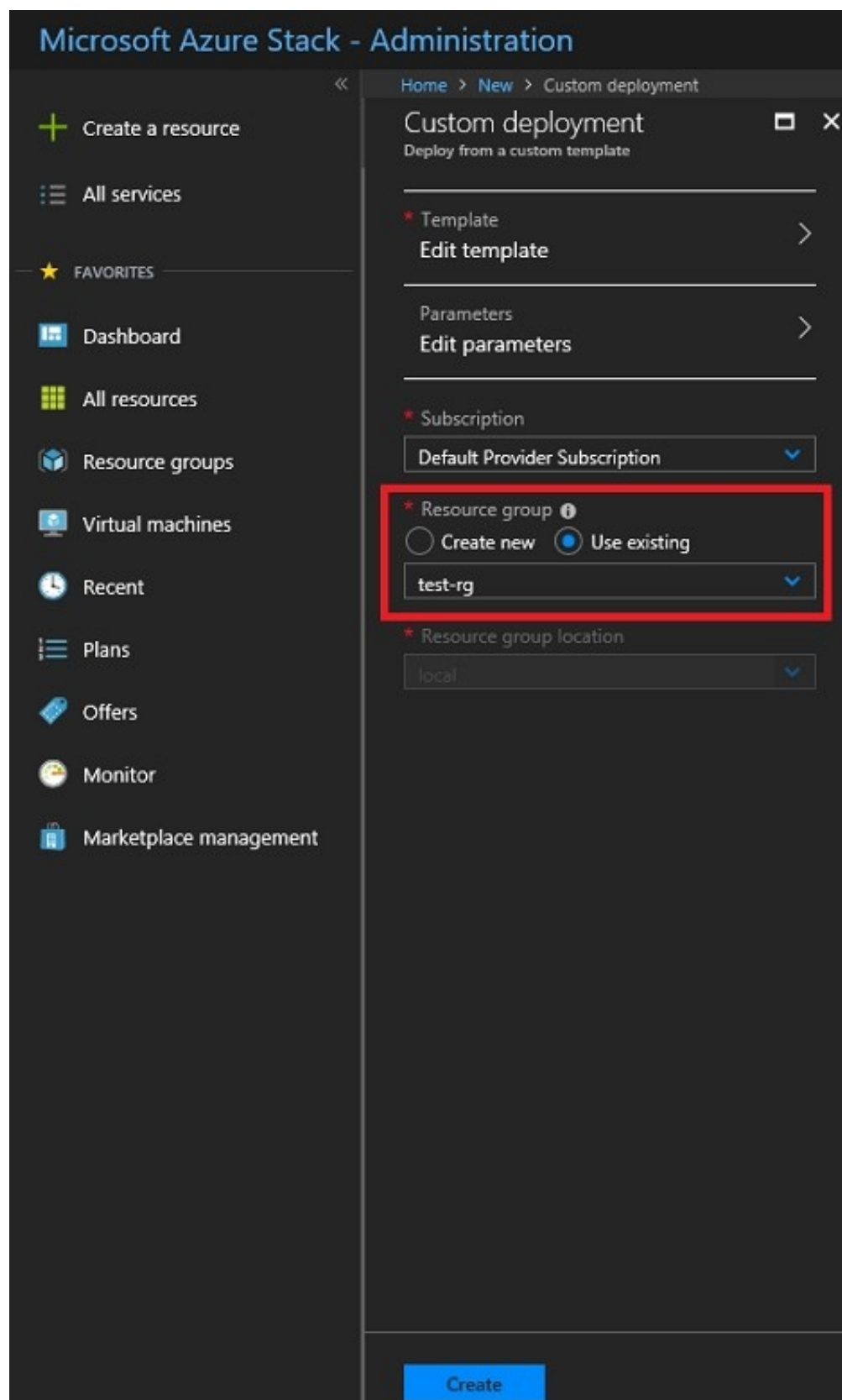
Answer: A

Explanation:

- * 1. Sign in to the portal,
- * 2. Choose template Deploy-lod9940427
- * 3. Select Edit template, and then paste your JSON template code into the code window.
- * 4. Change the ASddressPrefixes to 10.0.0.0/24 in order to support only 256 total IP addresses.
addressSpace":{"addressPrefixes": ["10.0.0.0/24"]},
- * 5. Change the firstSubnet addressprefix to 10.0.0.0/26 to support only 64 total IP addresses.
"subnets":[
{
"name":"firstSubnet", "properties":{"addressPrefix":"10.0.0.0/24"
- * 6. Select Save.



- * 7. Select Edit parameters, provide values for the parameters that are shown, and then select OK.
- * 8 Select Subscription. Choose the subscription you want to use, and then select OK.
- * 9. Select Resource group. Choose an existing resource group or create a new one, and then select OK.



* 10. Select Create. A new tile on the dashboard tracks the progress of your template deployment.

References:

<https://docs.microsoft.com/en-us/azure-stack/user/azure-stack-deploy-template-portal?view=azs-1908>

<https://docs.microsoft.com/en-us/azure/architecture/building-blocks/extending-templates/update-resource>

NEW QUESTION 290

- (Topic 4)

You have a GitHub repository.

You create a new repository in Azure DevOps.

You need to recommend a procedure to clone the repository from GitHub to Azure DevOps.

What should you recommend?

- A. Create a webhook.
- B. Create a service connection for GitHub.
- C. From Import a Git repository, click Import
- D. Create a pull request.
- E. Create a personal access token in Azure DevOps.

Answer: C

NEW QUESTION 295

- (Topic 4)

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

You have a project in Azure DevOps named Project1. Project1 is used to build a web app named App1 and deploy App1 to VMSS1.

You need to ensure that an email alert is generated whenever VMSS1 scales in or out. Solution: From Azure DevOps, configure the Service hooks settings for Project1.

Does this meet the goal?

- A. Yes

B. No

Answer: B

NEW QUESTION 298

SIMULATION - (Topic 4)

You plan to deploy a website that will be hosted in two Azure regions.

You need to create an Azure Traffic Manager profile named az40011566895n1-tm in a resource group named RG1lod11566895. The solution must ensure that users will always connect to a copy of the website that is in the same country.

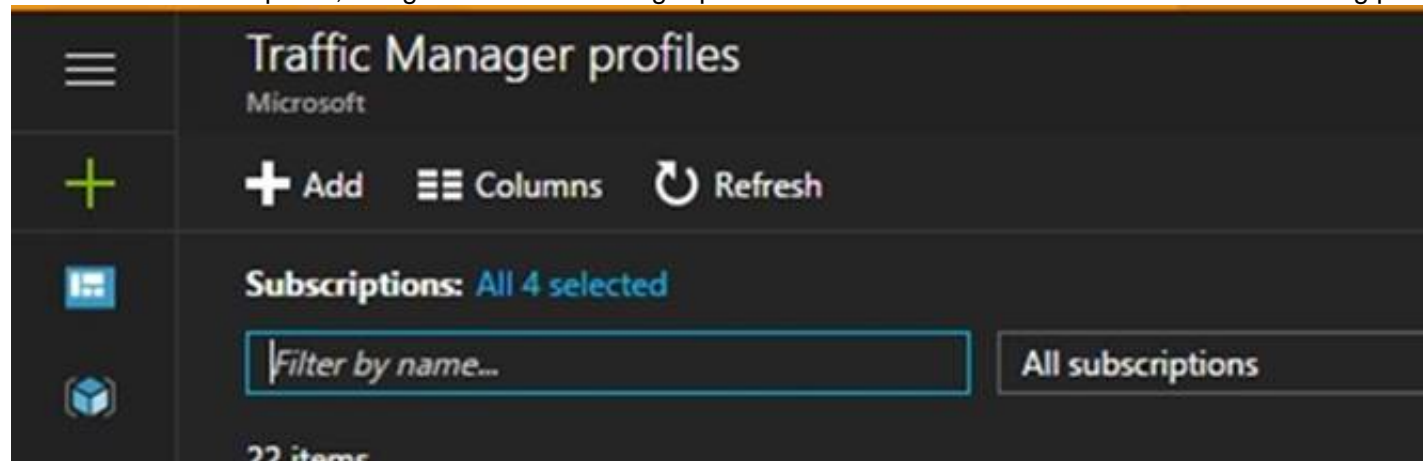
To complete this task, sign in to the Microsoft Azure portal.

A.

Answer: Seesolutionbelow.

Explanation:

* 1. Go to the Azure portal, navigate to Traffic Manager profiles and click on the Add button to create a routing profile.



* 2. In the Create Traffic Manager profile, enter, or select these settings: Name: az40011566895n1-tm Routing method: Geographic Resource group: RG1lod11566895

Note: Traffic Manager profiles can be configured to use the Geographic routing method so that users are directed to specific endpoints (Azure, External or Nested) based on which geographic location their DNS query originates from. This empowers Traffic Manager customers to enable scenarios where knowing a user's geographic region and routing them based on that is important.

NEW QUESTION 299

- (Topic 4)

Your company has an Azure DevOps project that produces Node Package Manager (npm) packages. Multiple projects consume the packages.

You need to minimize the amount of disk space used by older packages in Azure Artifacts. What should you modify?

- A. the retention settings of the project's pipeline
- B. the retention settings of the project's release
- C. the retention settings of the project's tests
- D. the retention settings of the company pipeline

Answer: B

Explanation:

To minimize the amount of disk space used by older packages in Azure Artifacts, you should modify the retention settings of the project's release. This can be done by navigating to the project's release settings and adjusting the retention policy. For more information, please refer to the Microsoft documentation.

NEW QUESTION 301

- (Topic 4)

You have an Azure solution that contains a build pipeline in Azure Pipelines. You experience intermittent delays before the build pipeline starts. You need to reduce the time it takes to start the build pipeline. What should you do?

- A. Split the build pipeline into multiple stages.
- B. Purchase an additional parallel job.
- C. Create a new agent pool.
- D. Enable self-hosted build agents.

Answer: B

Explanation:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/troubleshooting/troubleshooting>

NEW QUESTION 302

.....

Thank You for Trying Our Product

* 100% Pass or Money Back

All our products come with a 90-day Money Back Guarantee.

* One year free update

You can enjoy free update one year. 24x7 online support.

* Trusted by Millions

We currently serve more than 30,000,000 customers.

* Shop Securely

All transactions are protected by VeriSign!

100% Pass Your AZ-400 Exam with Our Prep Materials Via below:

<https://www.certleader.com/AZ-400-dumps.html>