



**Microsoft**

## **Exam Questions AZ-400**

Microsoft Azure DevOps Solutions (beta)

## NEW QUESTION 1

SIMULATION - (Topic 4)

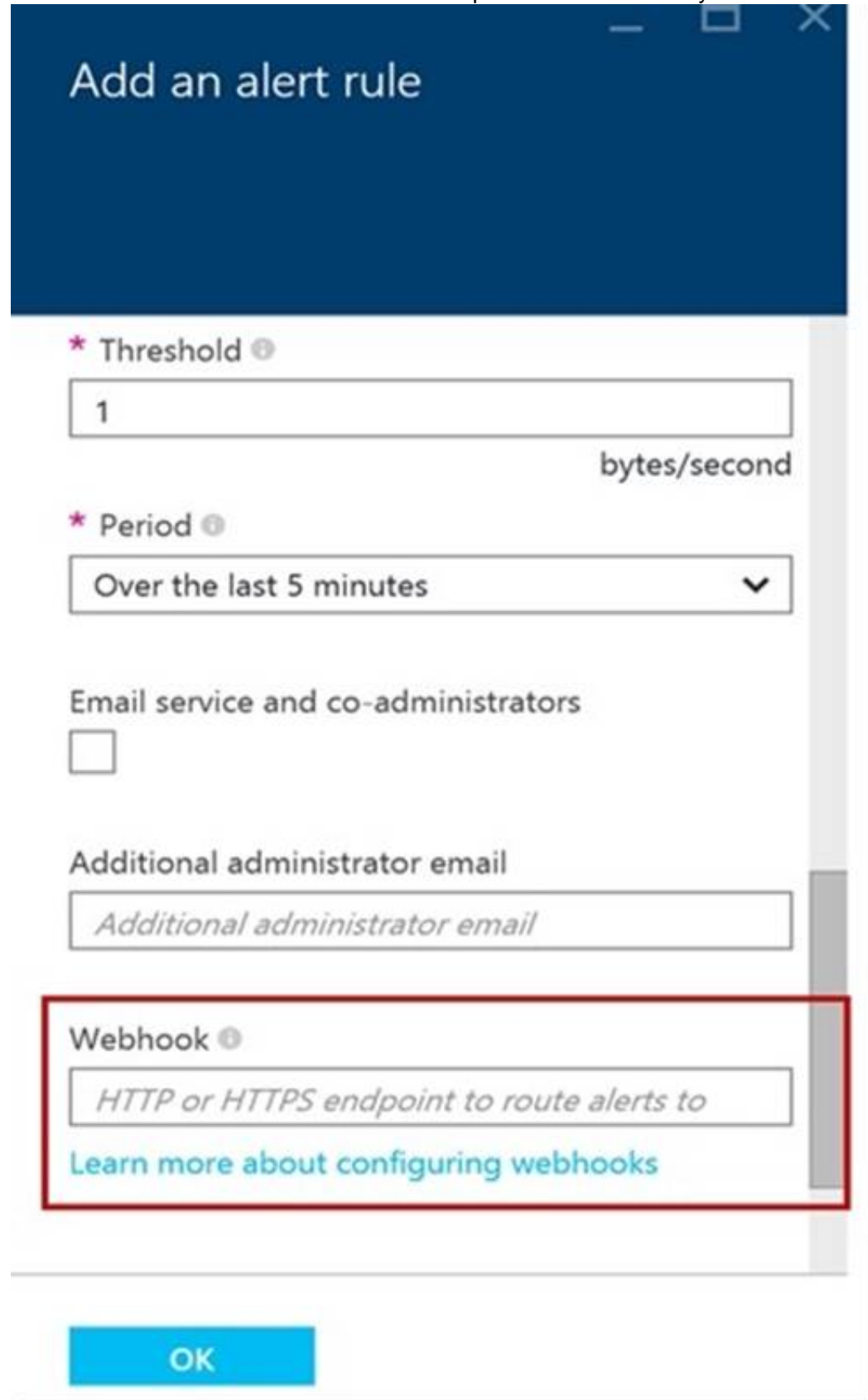
You need to create a notification if the peak average response time of an Azure web app named az400-9940427-main is more than five seconds when evaluated during a five- minute period. The notification must trigger the “https://contoso.com/notify” webhook.  
 To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

- \* 1. Open Microsoft Azure Portal
- \* 2. Log into your Azure account and go to App Service and look under Monitoring then you will see Alert.
- \* 3. Select Add an alert rule
- \* 4. Configure the alert rule as per below and click Ok. Source: Alert on Metrics  
 Resource Group: az400-9940427-main Resource: az400-9940427-main Threshold: 5  
 Period: Over the last 5 minutes Webhook: https://contoso.com/notify



**Add an alert rule**

\* **Threshold** ⓘ

1

bytes/second

\* **Period** ⓘ

Over the last 5 minutes ▼

Email service and co-administrators

☐

Additional administrator email

Additional administrator email

**Webhook** ⓘ

HTTP or HTTPS endpoint to route alerts to

[Learn more about configuring webhooks](#)

**OK**

References:

<https://azure.microsoft.com/es-es/blog/webhooks-for-azure-alerts/>

## 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

FILL IN THE BLANK - (Topic 4)  
You use Get for source control. You have an app named Appt.  
In the main branch. you need to restore the third most recent revision of a file named App.exe.config .  
How should you complete command?

git

main

git restore

main~3 App.exe.config

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

```
git checkout main
git restore --patch main~3 App.exe.config
```

NEW QUESTION 5

HOTSPOT - (Topic 4)

You have a project in Azure DevOps that includes two users named User1 and User2. You plan to use Azure Monitor to manage logs. You need to ensure that the users can perform the actions shown in following the table.

User	Action
User1	<ul style="list-style-type: none"><li>Create private monitoring dashboards.</li><li>Search usage data for an Azure Monitor workspace.</li></ul>
User2	<ul style="list-style-type: none"><li>View autoscale settings.</li><li>View alert activities and settings.</li></ul>

The solution must follow the principle of least privilege.  
Which role should you assign to each user? To answer select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

Answer Area

User1: 

Monitoring Contributor  
Log Analytics Reader  
Monitoring Contributor  
Monitoring Metrics Publisher  
Monitoring Reader

User2: 

Monitoring Reader  
Log Analytics Reader  
Monitoring Contributor  
Monitoring Metrics Publisher  
Monitoring Reader

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

User1: 

Monitoring Contributor  
Log Analytics Reader  
Monitoring Contributor  
Monitoring Metrics Publisher  
Monitoring Reader

User2: 

Monitoring Reader  
Log Analytics Reader  
Monitoring Contributor  
Monitoring Metrics Publisher  
Monitoring Reader

NEW QUESTION 6

- (Topic 4)

You have an Azure subscription that contains an Azure pipeline named Pipeline1 and a GitHub repository named Repo1, Repo1 contains Bicep modules. Pipeline1 deploys Azure resources by using the Bicep modules. You need to ensure that all releases comply with Azure Policy before they are deployed to production. What should you do?

- A. Configure a deployment gate for Pipeline' include the Azure DevOps Security and compliance assessment task.
- B. Create an Azure DevOps build runs on the creation of a pull request assesses the code tor compliance.
- C. To Pipeline1, add a step that runs a What If deployment before the deployment step.
- D. Configure a deployment gate for Pipeline' that uses Azure Automation to run a What If deployment

Answer: A

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. 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 m 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 8

- (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 9

- (Topic 4)

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

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 10

HOTSPOT - (Topic 4)

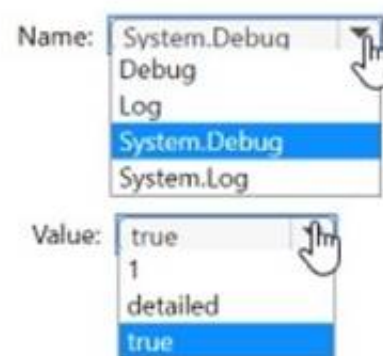
You have a project in Azure DevOps that contains a Continuous Integration/Continuous Deployment (CI/CD) pipeline.

You need to enable detailed logging by defining a pipeline variable.

Mow should you configure the variable? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**



The screenshot shows the 'Name' and 'Value' dropdown menus for a pipeline variable. The 'Name' dropdown is open, showing options: 'System.Debug', 'Debug', 'Log', 'System.Debug' (highlighted), and 'System.Log'. The 'Value' dropdown is also open, showing options: 'true' (highlighted), '1', 'detailed', and 'true'.

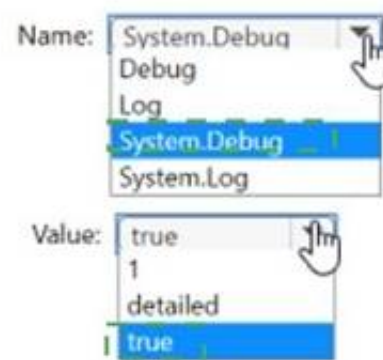
- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:



## Answer Area



### NEW QUESTION 10

- (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.

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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 code pushed event. Does this meet the goal?

- A. Yes
- B. NO

**Answer:** A

#### Explanation:

You can create a service hook for Azure DevOps Services and TFS with Jenkins.

References:

<https://docs.microsoft.com/en-us/azure/devops/service-hooks/services/jenkins>

### 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.

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 Batch changes while a build is in progress.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### Explanation:

Use a Pull request trigger.

Note: Batch changes

Select this check box if you have a lot of team members uploading changes often and you want to reduce the number of builds you are running. If you select this option, when a build is running, the system waits until the build is completed and then queues another build of all changes that have not yet been built.

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

### NEW QUESTION 18

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 21**

- (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 26**

- (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 create a release pipeline that will deploy Azure resources by using Azure Resource Manager templates. The release pipeline will create the following resources:

? Two resource groups

? Four Azure virtual machines in one resource group

? Two Azure SQL databases in other resource group

You need to recommend a solution to deploy the resources.

Solution: Create a main template that has two linked templates, each of which will deploy the resource in its respective group.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

To deploy your solution, you can use either a single template or a main template with many related templates. The related template can be either a separate file that is linked to from the main template, or a template that is nested within the main template.  
 References: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-linked-templates>

### NEW QUESTION 30

- (Topic 4)

You have a build pipeline in Azure Pipelines that uses different jobs to compile an application for 10 different architectures.

The build pipeline takes approximately one day to complete.

You need to reduce the time it takes to execute the build pipeline

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point

- A. Move to a blue/green deployment pattern.
- B. Create an agent pool.
- C. Create a deployment group.
- D. Reduce the size of the repository.
- E. Increase the number of parallel jobs.

**Answer:** BE

#### Explanation:

Question: I need more hosted build resources. What can I do? Answer: The Azure Pipelines pool provides all Azure DevOps organizations with cloud- hosted build agents and free build minutes each month. If you need more Microsoft-hosted build resources, or need to run more jobs in parallel, then you can either:

Host your own agents on infrastructure that you manage. Buy additional parallel jobs.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/pools-queues>

### NEW QUESTION 32

- (Topic 4)

You store source code in a Git repository in Azure repos. You use a third-party continuous integration (CI) tool to control builds.

What will Azure DevOps use to authenticate with the tool?

- A. certificate authentication
- B. a personal access token (PAT)
- C. a Shared Access Signature (SAS) token
- D. NTLM authentication

**Answer:** B

#### Explanation:

Personal access tokens (PATs) give you access to Azure DevOps and Team Foundation Server (TFS), without using your username and password directly.

Reference:

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

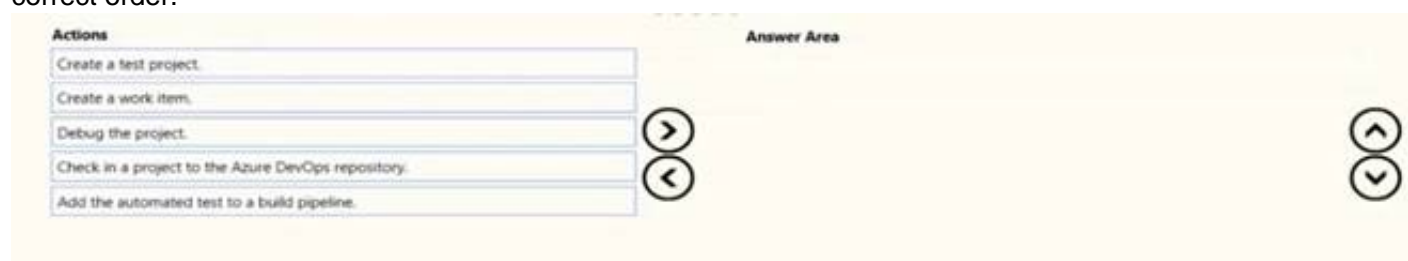
### NEW QUESTION 36

DRAG DROP - (Topic 4)

You have a protect in Azure DevOps.

You need to associate an automated test to a test case.

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.



- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

The process to associate an automated test with a test case is:

? Create a test project containing your automated test. What types of tests are supported?

? Check your test project into an Azure DevOps or Team Foundation Server (TFS) repository.

? Create a build pipeline for your project, ensuring that it contains the automated test. What are the differences if I am still using a XAML build?

? Use Visual Studio Enterprise or Professional 2017 or a later version to associate the automated test with a test case as shown below. The test case must have been added to a test plan that uses the build you just defined.

### NEW QUESTION 37

- (Topic 4)

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

You manage a project in Azure DevOps.

You need to prevent the configuration of the project from changing over time. Solution: Perform a Subscription Health scan when packages are created. Does this



meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead implement Continuous Assurance for the project.

Note: The Subscription Security health check features in AzSK contains a set of scripts that examines a subscription and flags off security issues, misconfigurations or obsolete artifacts/settings which can put your subscription at higher risk.

Reference:

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

**NEW QUESTION 40**

- (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 41**

- (Topic 4)

You have an Azure subscription that contains a Log Analytics workspace named WS1 and a virtual machine named VM1.

You need to install the Microsoft Enterprise Cloud Monitoring extension on VM1.

Which two values are required to configure the extension? Each correct answer presents part of the solution.

NOTE: Each correct answer is worth one point.

- A. the secret key of WS1
- B. the ID of the subscription
- C. the system-assigned managed identity of VM1
- D. theIDofWS1
- E. the resource ID of VM1

**Answer:** DE

**NEW QUESTION 45**

- (Topic 4)

You plan to provision a self-hosted Linux agent

Which authentication mechanism should you use to register the self-hosted agent?

- A. SSH key
- B. personal access token (PAT)
- C. Alternate credentials
- D. certificate

**Answer:** B

**Explanation:**

Note: PAT Supported only on Azure Pipelines and TFS 2017 and newer. After you choose PAT, paste the PAT token you created into the command prompt window. Use a personal access token (PAT) if your Azure DevOps Server or TFS instance and the agent machine are not in a trusted domain. PAT authentication is handled by your Azure DevOps Server or TFS instance instead of the domain controller.

Reference:

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

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

**NEW QUESTION 48**

- (Topic 4)

You use Azure Pipelines to manage build pipelines. GitHub to store source code, and Dependabot to manage dependencies.

You have an app named App1.

Dependabot detects a dependency in App1 that requires an update. What should you do first to apply the update?

- A. Perform a commit.
- B. Create a pull request.
- C. Approve the pull request
- D. Create a branch.

**Answer:** C

DependaBot is a useful tool to regularly check for dependency updates. By helping to keep your project up to date, DependaBot can reduce technical debt and immediately apply security vulnerabilities when patches are released. How does DependaBot work?

? You review the new Pull Request, ensure the tests passed, review the code, and decide if you can merge the change

<https://samlearnsazure.blog/2019/12/20/github-using-dependabot/>

Does this meet the goal?

- A. Yes  
B. No

### Which type of service connection should you create?

- A. a Docker host  
B. Azure Service Fabric  
C. Azure Kubernetes Service (AKS)  
D. a Docker registry

NOTE: Each correct selection is worth one point.

A. Mastered  
B. Not Mastered

**Explanation:**

#### Answer Area

```
param storageAccount string
var storageAccountNameToUse = '${storageAccount}${uniqueString(resourceGroup().id)}'
resource InvoiceStorage 'Microsoft.Storage/storageAccounts@2022-05-01' = {
  name: storageAccountNameToUse
  location: 'eastus'
  sku: {
    name: 'Standard_GRS'
```



#### NEW QUESTION 62

- (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 create a release pipeline that will deploy Azure resources by using Azure Resource Manager templates. The release pipeline will create the following resources:

? Two resource groups

? Four Azure virtual machines in one resource group

? Two Azure SQL databases in other resource group

You need to recommend a solution to deploy the resources.

Solution: Create a main template that will deploy the resources in one resource group and a nested template that will deploy the resources in the other resource group.

Does this meet the goal?

A. Yes

B. No

**Answer: B**

#### Explanation:

Use two linked templates, instead of the nested template.

References: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-linked-templates>

#### NEW QUESTION 67

- (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 that is configured for auto scaling.

You have a project in Azure DevOps named Project 1. Project 1 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 Monitor, configure the auto scale settings.

Does this meet the goal?

A. Yes

B. No

**Answer: B**

#### NEW QUESTION 69

- (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. the diagnostics logs of the App Service

B. Azure Application Insights

C. Azure Advisor

D. the activity log of the App Service

**Answer: B**

#### NEW QUESTION 74

- (Topic 4)

You have the following Azure policy.

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

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

**Answer:** A

**NEW QUESTION 79**

- (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 haw a pokey stating that approvals must occur within eight hours.  
 You discover that deployments only if the approvals take longer than two hours.  
 You need to ensure that the deployments only fail if the approvals take longer than hours. Solution From Post -deployment conditions, you modify the Timeout setting for post-deployment approvals. Does this meet the goal?

- A. Yes
- B. NO

**Answer:** B

**NEW QUESTION 83**

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**

Store the password as a: Secret

Grant Pipeline1 access to Vault1 by modifying the: Access policies

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

Store the password as a: Secret

Grant Pipeline1 access to Vault1 by modifying the: Access policies

**NEW QUESTION 88**

- (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 lin
- 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 ite
- 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 lin
- G. Set Link type to References and add the ID Of item B.

**Answer:** B

#### NEW QUESTION 89

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

**Answer:** B

#### 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 91

DRAG DROP - (Topic 4)

You use Extra beam Fusion SIEM and the Azure cloud platform.

You need to integrate Extra beam and Azure. The solution must use OAuth 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		Answer Area
Upload a certificate.		
Create a client secret.		
Register an Exabeam application in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.		1 <input type="text"/>
Configure the Exabeam Azure cloud connector.		2 <input type="text"/>
Configure API permissions.		3 <input type="text"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:



**Actions**

Upload a certificate.

Create a client secret.

Register an Exabeam application in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.

Configure the Exabeam Azure cloud connector.

Configure API permissions.

**Answer Area**

➤

➤

1 Create a client secret.

2 Register an Exabeam application in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.

3 Configure the Exabeam Azure cloud connector.

⬆

⬇

#### NEW QUESTION 94

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**

git gc

--aggressive

--auto

--force

--no-prune

now

git

merge

prune

rebase

reset

--expire now

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: --aggressive

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

Box 2: prune

Prune all unreachable objects from the object database: git prune

#### NEW QUESTION 99

- (Topic 4)

Your company develops an application named App1 that is deployed in production.

As part of an application update, a new service is being added to App1. The new service requires access to an application named App2 that is currently in development.

You need to ensure that you can deploy the update to App1 before App2 becomes available. You must be able to enable the service in App1 once App2 is deployed. What should you do?

- A. Create a branch in the build.
- B. Implement a branch policy.
- C. Create a fork in the build.
- D. Implement a feature flag.

**Answer:** D

#### Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/devops/migrate/phase-features-with-feature-flags>

#### NEW QUESTION 103

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.

Actions

Execute the pipeline.

Create an agent pool.

Add the Puppet Agent extension to the virtual machines.

Create a deployment group.

Add and configure a deployment group job for the pipeline.

>

<

Answer Area

>

<

- 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 106

- (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 110

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 111**

- (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 Automation run book
- B. an Azure Monitor alert that has a dynamic threshold
- C. an Azure Monitor alert that has a static threshold
- D. the Azure Monitor auto scale settings
- E. an Azure Monitor alert that uses an action group that has an email action

**Answer:** AB

**Explanation:**

A: You can use Azure Monitor to monitor base-level metrics and logs for most services in Azure. You can call Azure Automation run books by using action groups or by using classic alerts to automate tasks based on alerts.

B: Metric Alert with Dynamic Thresholds detection leverages advanced machine learning (ML) to learn metrics' historical behavior, identify patterns and anomalies that indicate possible service issues. It

provides support of both a simple UI and operations at scale by allowing users to configure alert rules through the Azure Resource Manager API, in a fully automated manner. Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-dynamic-thresholds>

<https://docs.microsoft.com/en-us/azure/automation/automation-create-alert-triggered-runbook>

**NEW QUESTION 116**

- (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 117**

- (Topic 4)

You have an Azure DevOps project named Project1 and an Azure subscription named Sub1. Sub1 contains an Azure SQL database named DB1.

You need to create a release pipeline that uses the Azure SQL Database Deployment task to update DB1.

Which artifact should you deploy?

- A. a BACPAC
- B. a DACPAC
- C. an LDF file
- D. an MDF file

**Answer:** B

**Explanation:**

Use Azure SQL Database Deployment task in a build or release pipeline to deploy to Azure SQL DB using a DACPAC or run scripts using SQLCMD.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/deploy/sql-azure-dacpac-deployment>

**NEW QUESTION 118**

- (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 automated security testing.

Does this meet the goal?

A. Yes

B. No

**Answer: B**

**Explanation:**

Instead use implement continuous integration.

Note: 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 121**

DRAG DROP - (Topic 4)

Your company has a project in Azure DevOps.

You plan to create a release pipeline that will deploy resources by using Azure Resource Manager templates. The templates will reference secrets stored in Azure Key Vault.

You need to recommend a solution for accessing the secrets stored in the key vault during deployments. The solution must use the principle of least privilege.

What should you include in the recommendation? To answer, drag the appropriate configurations to the correct targets. Each configuration 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.

Configurations	Answer Area
A Key Vault access policy	Enable key vaults for template deployment by using: <input type="text"/>
A Key Vault advanced access policy	Restrict access to the secrets in Key Vault by using: <input type="text"/>
RBAC	

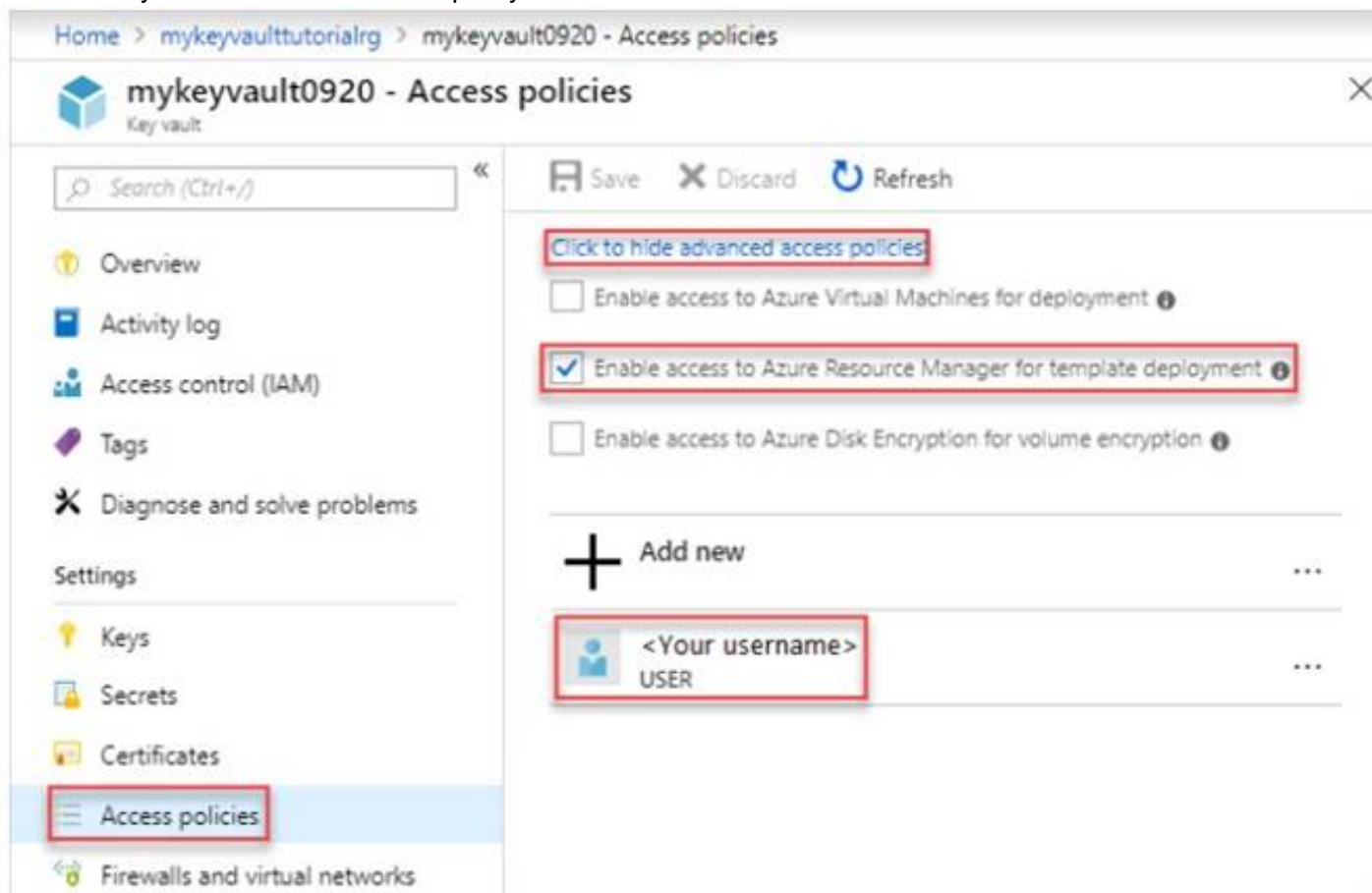
A. Mastered

B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: A key Vault advanced access policy



Box 2: RBAC

Management plane access control uses RBAC.

The management plane consists of operations that affect the key vault itself, such as:

? Creating or deleting a key vault.

? Getting a list of vaults in a subscription.

? Retrieving Key Vault properties (such as SKU and tags).

? Setting Key Vault access policies that control user and application access to keys and secrets.

References: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-tutorial-use-key-vault>

**NEW QUESTION 123**

- (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 pre-deployment gates. Does this meet the goal?

A. Yes

B. No

**Answer: B**

#### Explanation:

Instead use implement continuous integration.

Note: 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 124

HOTSPOT - (Topic 4)

Your company uses GitHub for source control. GitHub repositories store source code and store process documentation. The process documentation is saved as Microsoft Word documents that contain simple flow charts stored as .bmp files.

You need to optimize the integration and versioning of the process documentation and the flow charts. The solution must meet the following requirements:

- Store documents as plain text.
- Minimize the number of files that must be maintained.
- Simplify the modification, merging, and reuse of flow charts.
- Simplify the modification, merging, and reuse of documents.

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



A. Mastered

B. Not Mastered

**Answer: A**

#### Explanation:

Box 1: Markdown (.md)

Github understands several text formats, including .txt and .md. .md stands for a file written in Markdown.

Box 2: Mermaid diagrams

Mermaid lets you create diagrams and visualizations using text and code.

It is a Javascript based diagramming and charting tool that renders Markdown-inspired text definitions to create and modify diagrams dynamically.

#### NEW QUESTION 129

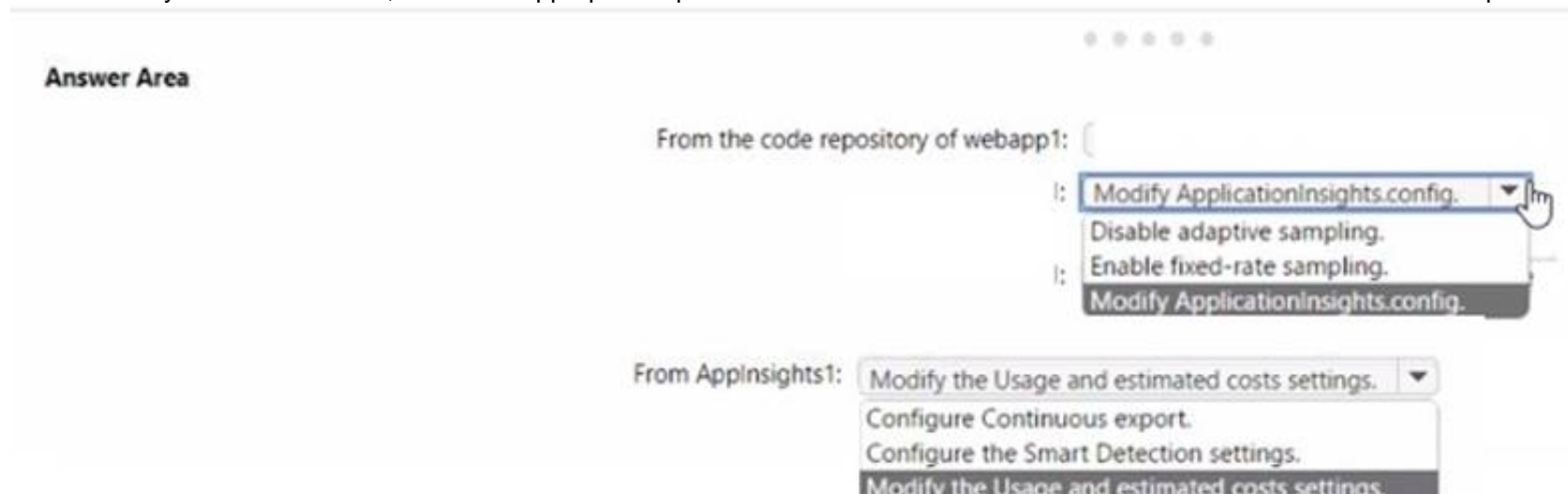
HOTSPOT - (Topic 4)

You have an Azure web app named webapp1 that uses the .NET Core runtime slack. You have an Azure Application insights resource named AppInsights1 that collects telemetry data generated by webapp1

You plan to deploy webapp1 by using an Azure DevOps pipeline.

You need to modify the sampling rate of the telemetry data processed by AppInsights1 without having to redeploy webapp1 after each modification.

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

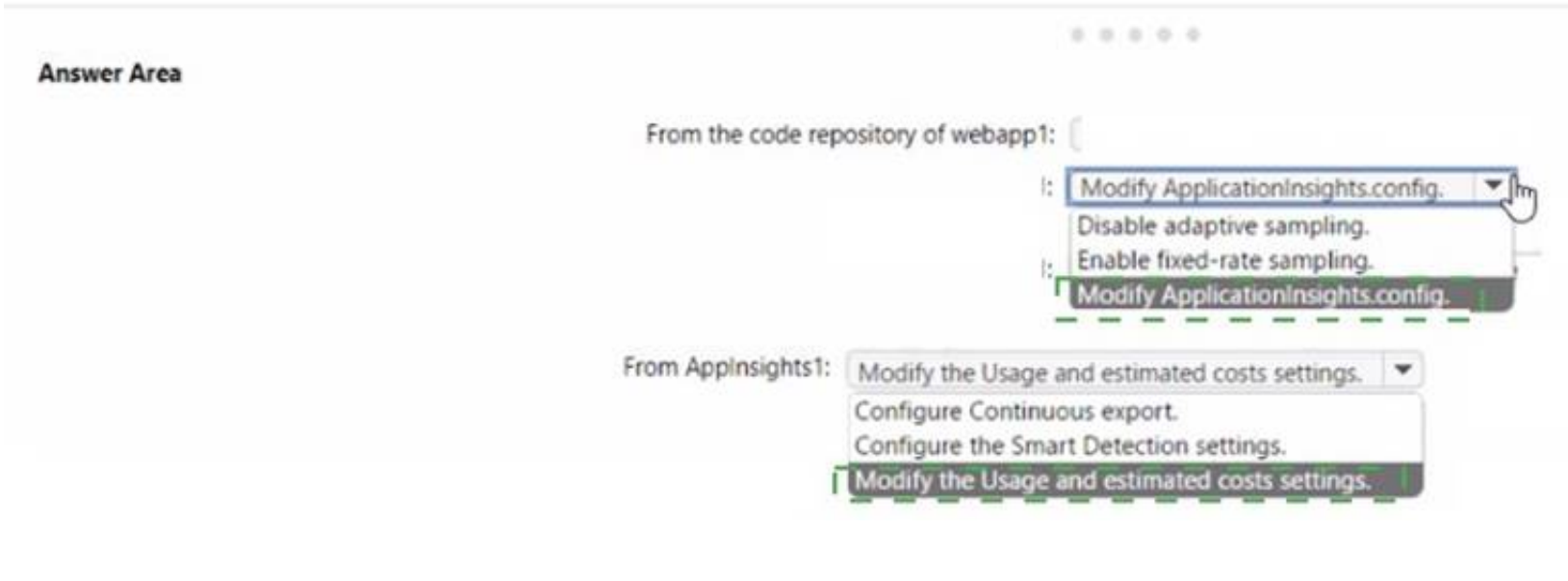




- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 134

DRAG DROP - (Topic 4)

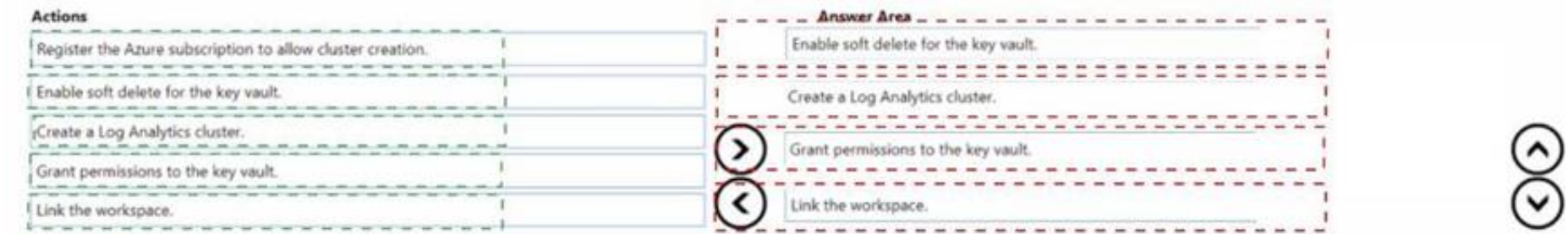
You have an Azure Key Vault that contains an encryption key named key1. You plan to create a Log Analytics workspace that will store logging data. You need to encrypt the workspace by using key1. Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



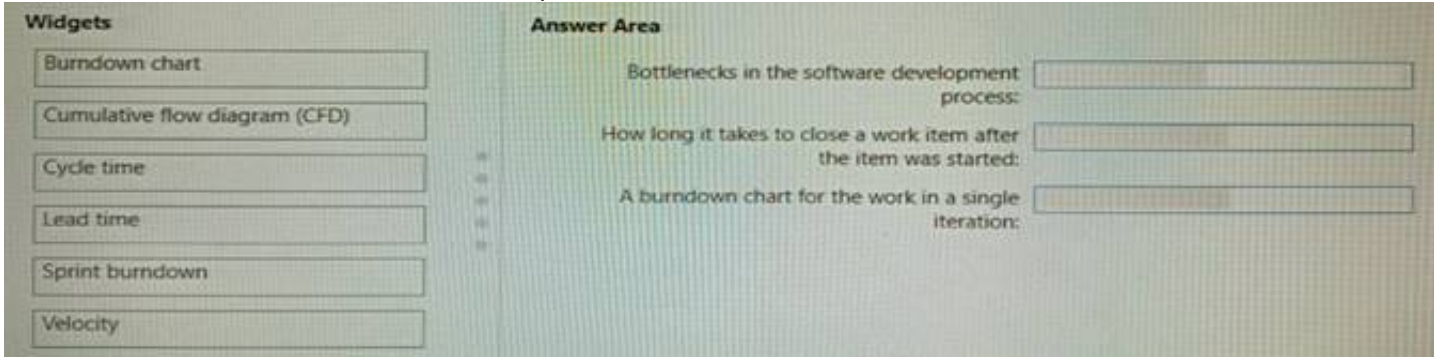
NEW QUESTION 137

DRAG DROP - (Topic 4)

You have a project in Azure DevOps. You need to configure a dashboard. The solution must include the following metrics:

- Bottlenecks in the software development process
- A burndown chart for the work in a single iteration
- How long it takes to close a work item after the item was started

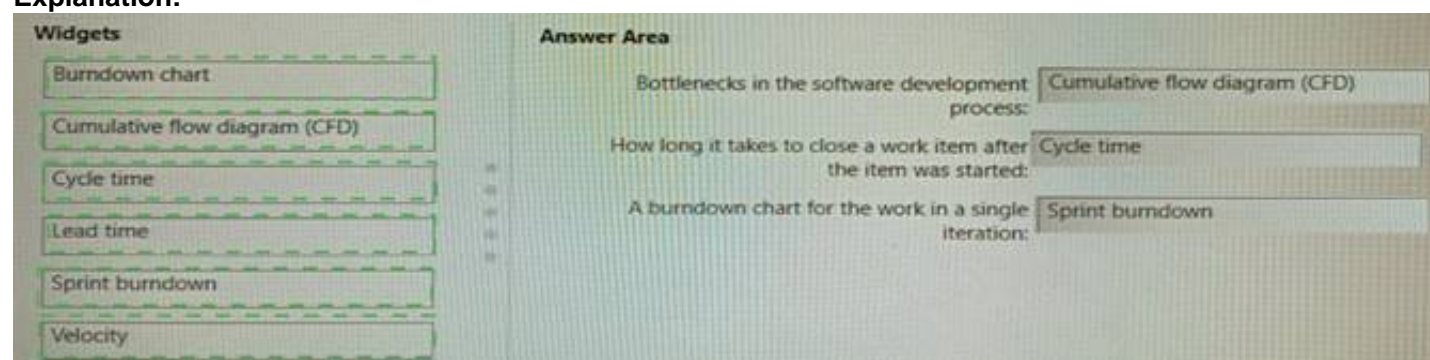
Which type of widget should you use for each metric? To answer, drag the appropriate widget types to the correct metrics. Each widget type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



#### NEW QUESTION 141

- (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 144

- (Topic 4)

You plan to use Terraform to deploy an Azure resource group.

You need to install the required frameworks to support the planned deployment. Which two frameworks should you install? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Vault
- B. Terratest
- C. Node.js
- D. Yeoman
- E. Tiller

**Answer:** BD

**Explanation:**

You can use the combination of Terraform and Yeoman. Terraform is a tool for creating infrastructure on Azure. Yeoman makes it easy to create Terraform modules.

Terratest provides a collection of helper functions and patterns for common infrastructure testing tasks, like making HTTP requests and using SSH to access a specific virtual machine. The following list describes some of the major advantages of using Terratest:

? Convenient helpers to check infrastructure - This feature is useful when you want to verify your real infrastructure in the real environment.

? Organized folder structure - Your test cases are organized clearly and follow the standard Terraform module folder structure.

? Test cases are written in Go - Many developers who use Terraform are Go developers. If you're a Go developer, you don't have to learn another programming language to use Terratest.

? Extensible infrastructure - You can extend additional functions on top of Terratest, including Azure-specific features.

Reference:

<https://docs.microsoft.com/en-us/azure/developer/terraform/create-base-template-using-yeoman>

<https://docs.microsoft.com/en-us/azure/developer/terraform/test-modules-using-terratest>

#### NEW QUESTION 149

- (Topic 4)

Your company is concerned that when developers introduce open source libraries, it creates licensing compliance issues.

You need to add an automated process to the build pipeline to detect when common open source libraries are added to the code base.

What should you use?

- A. Microsoft Visual SourceSafe
- B. PDM
- C. WhiteSource
- D. OWASP ZAP

**Answer:** C

**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.

Azure DevOps integration with WhiteSource Bolt will enable you to:

? Detect and remedy vulnerable open source components.  
? Generate comprehensive open source inventory reports per project or build.  
? Enforce open source license compliance, including dependencies' licenses.  
? Identify outdated open source libraries with recommendations to update.  
References: <https://www.azuredevopslabs.com/labs/vstsextend/WhiteSource/>

#### NEW QUESTION 152

- (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 153

- (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 158

- (Topic 4)

You use Azure SQL Database Intelligent Insights and Azure Application Insights for monitoring.

You need to write ad-hoc queries against the monitoring data. Which query language should you use?

- A. Kusto Query Language (KQL)
- B. PL/pgSQL
- C. PL/SQL
- D. Transact-SQL

**Answer: A**

#### Explanation:

Azure Monitor Logs is based on Azure Data Explorer, and log queries are written using the same Kusto query language (KQL). This is a rich language designed to be easy to read and author, and you

should be able to start using it with minimal guidance. Reference:

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

#### NEW QUESTION 160

- (Topic 4)

Your company develops an app for OS. All users of the app have devices that are members of a private distribution group in Microsoft Visual Studio App Center.

You plan to distribute a new release of the app.

You need to identify which certificate file you require to distribute the new release from App Center.

Which file type should you upload to App Center?

- A. .cer
- B. .pvk
- C. .pfx
- D. .p12

**Answer: D**

#### Explanation:

A successful IOS device build will produce an ipa file. In order to install the build on a device, it needs to be signed with a valid provisioning profile and certificate.



To sign the builds produced from a branch, enable code signing in the configuration pane and upload a provisioning profile (.mobileprovision) and a valid certificate (.p12), along with the password for the certificate.

References:

<https://docs.microsoft.com/en-us/appcenter/build/xamarin/ios/>

#### NEW QUESTION 165

- (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 create a release pipeline that will deploy Azure resources by using Azure Resource Manager templates. The release pipeline will create the following resources:

? Two resource groups

? Four Azure virtual machines in one resource group

? Two Azure SQL databases in other resource group

You need to recommend a solution to deploy the resources.

Solution: Create two standalone templates, each of which will deploy the resources in its respective group.

Does this meet the goal?

A. Yes

B. No

**Answer: B**

#### Explanation:

References: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-linked-templates>

#### NEW QUESTION 167

- (Topic 4)

You have an existing build pipeline in Azure Pipelines.

You need to use incremental builds without purging the environment between pipeline executions.

What should you use?

A. a File Transform task

B. a self-hosted agent

C. Microsoft-hosted parallel jobs

**Answer: B**

#### Explanation:

When you run a pipeline on a self-hosted agent, by default, none of the subdirectories are cleaned in between two consecutive runs. As a result, you can do incremental builds and deployments, provided that tasks are implemented to make use of that. You can override this behavior using the workspace setting on the job.

Reference:

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

#### NEW QUESTION 170

- (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. Automation & Control

B. IT Service Management Connector (ITSM)

C. Application ImiQ.hu Connector

D. insight & Analytics

**Answer: B**

#### 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.

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

#### NEW QUESTION 173

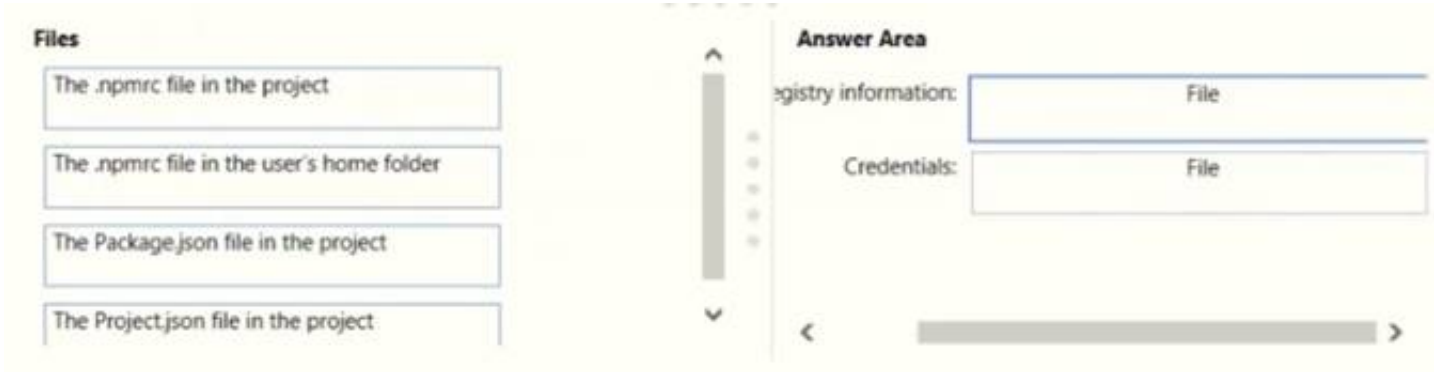
DRAG DROP - (Topic 4)

You are implementing a package management solution for a Node.js application by using Azure Artifacts.

You need to configure the development environment to connect to the package repository. The solution must minimize the likelihood that credentials will be leaked.

Which file should you use to configure each connection? To answer, drag the appropriate files to the correct connections. Each file 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.



- A. Mastered

B. Not Mastered

Answer: A

Explanation:

All Azure Artifacts feeds require authentication, so you'll need to store credentials for the feed before you can install or publish packages. npm uses .npmrc configuration files to store feed URLs and credentials. Azure DevOps Services recommends using two .npmrc files.

Feed registry information: The .npmrc file in the project

One .npmrc should live at the root of your git repo adjacent to your project's package.json. It should contain a "registry" line for your feed and it should not contain credentials since it will be checked into git.

Credentials: The .npmrc file in the user's home folder

On your development machine, you will also have a .npmrc in \$home for Linux or Mac systems or \$env.HOME for win systems. This .npmrc should contain credentials for all of the registries that you need to connect to. The NPM client will look at your project's .npmrc, discover the registry, and fetch matching credentials from \$home/.npmrc or \$env.HOME/.npmrc.

References:

<https://docs.microsoft.com/en-us/azure/devops/artifacts/npm/npmrc?view=azure-devops&tabs=windows>

NEW QUESTION 177

SIMULATION - (Topic 4)

You need to ensure that the https://contoso.com/statushook webhook is called every time a repository named az40010480345acr1 receives a new version of an image named dotnetapp.

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

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

? Sign in to the Azure portal.

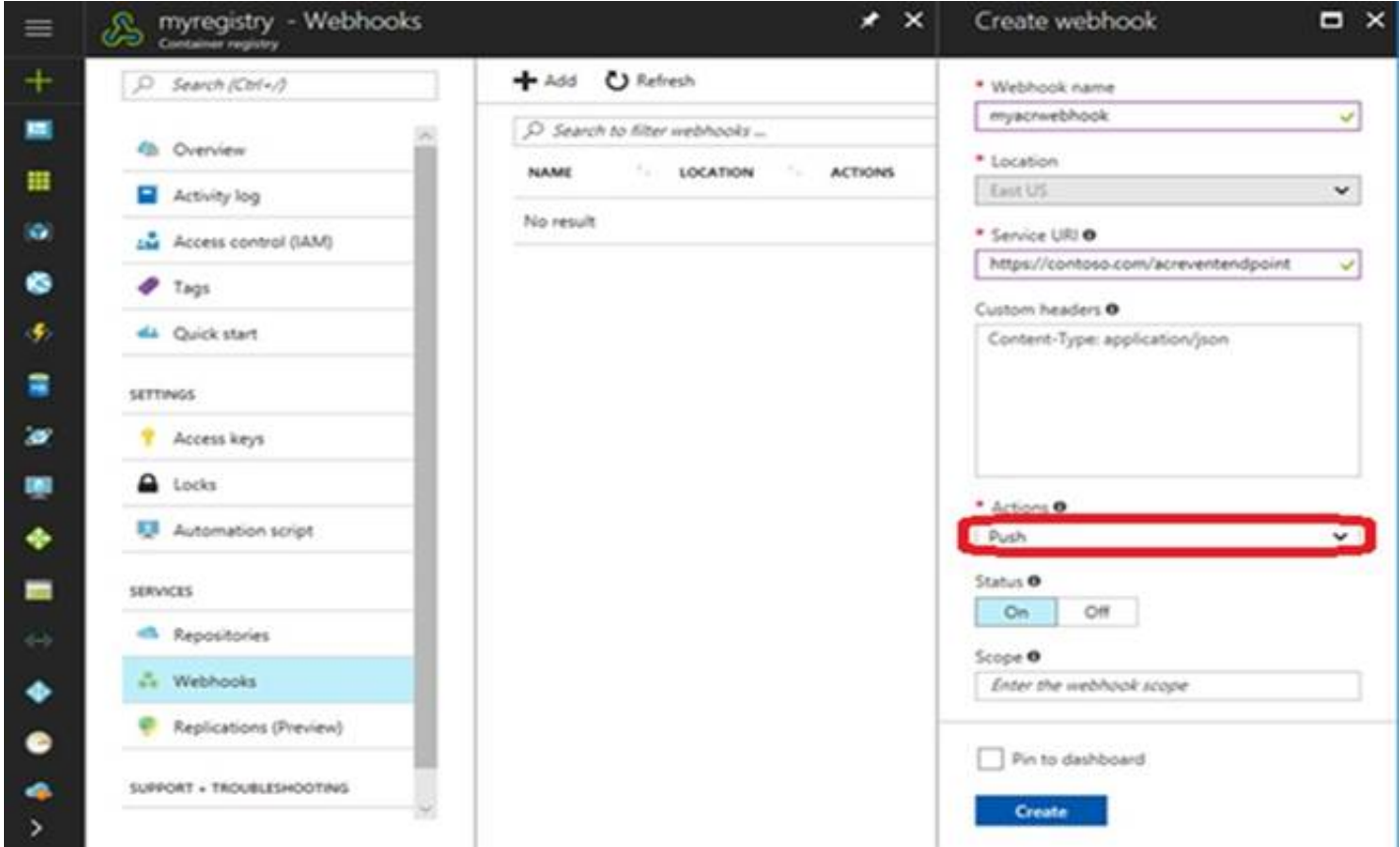
? Navigate to the container registry az40010480345acr1.

? Under Services, select Webhooks.

? Select the existing webhook https://contoso.com/statushook, and double-click on it to get its properties.

? For Trigger actions select image push

Example web hook:



NEW QUESTION 179

- (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 181**

- (Topic 4)

You have a brand policy in a project in Azure DevOps. The policy requires that code always builds successfully.

You need to ensure that a specific user can always merge change to the master branch, even if the code fails to compile. The solution must use the principle of least privilege.

What should you do?

- A. From the Security setting of the repository, modify the access control for the user.
- B. From the Security settings of the branch, modify the access control for the user.
- C. Add the user to the Build Administrators group,
- D. Add the user to the Project Administrators group

**Answer: B**

**Explanation:**

In some cases, you need to bypass policy requirements so you can push changes to the branch directly or complete a pull request even if branch policies are not satisfied. For these situations, grant the desired permission from the previous list to a user or group. You can scope this permission to an entire project, a repo, or a single branch. Manage this permission along the with other Git permissions.

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

**NEW QUESTION 182**

DRAG DROP - (Topic 4)

You have an Azure Kubernetes Service (AKS) cluster.

You need to deploy an application to the cluster by using 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	Answer Area
Create a service account in the cluster.	
Create a service principal in Azure Active Directory (Azure AD).	
Add an Azure Function App for Container task to the deployment pipeline.	
Add a Helm package and deploy a task to the deployment pipeline.	
Add a Docker Compose task to the deployment pipeline.	
Configure RBAC roles in the cluster.	

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

You can set up a CI/CD pipeline to deploy your apps on a Kubernetes cluster with Azure DevOps by leveraging a Linux agent, Docker, and Helm.

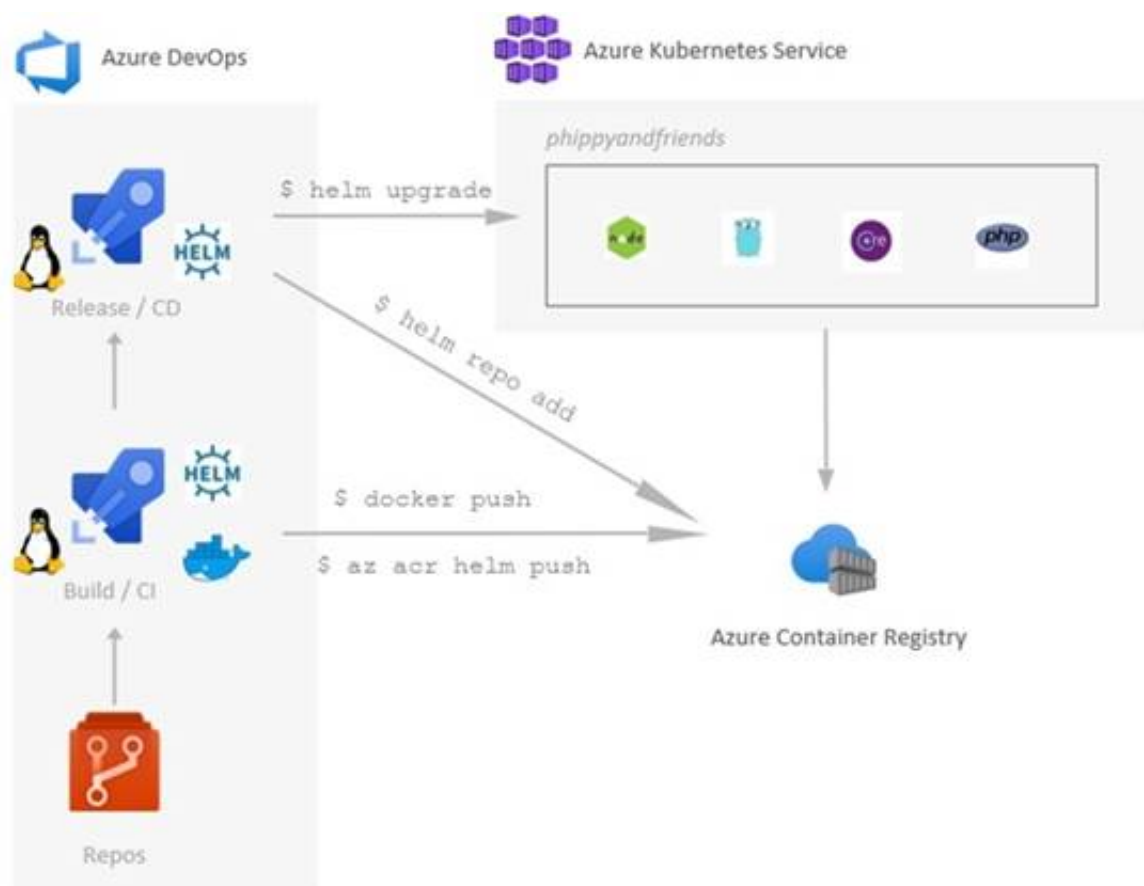
Step 1: Create a service principle in Azure Active Directory (Azure AD)

We need to assign 3 specific service principals with specific Azure Roles that need to interact with our ACR and our AKS.

Create a specific Service Principal for our Azure DevOps pipelines to be able to push and pull images and charts of our ACR.

Create a specific Service Principal for our Azure DevOps pipelines to be able to deploy our application in our AKS.

Step 2: Add a Helm package and deploy a task to the deployment pipeline This is the DevOps workflow with containers:



Step 3: Add a Docker Compose task to the deployment pipeline.

Dockerfile file is a script leveraged by Docker, composed of various commands (instructions) and arguments listed successively to automatically perform actions on a base image in order to create a new Docker image by packaging the app.

### NEW QUESTION 185

- (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 state full 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 190

DRAG DROP - (Topic 4)

You need to use Azure Automation Sure Configuration to manage the ongoing consistency of virtual machine configurations.

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

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

## Actions

## Answer Area

Onboard the virtual machines to Azure Automation State Configuration.

Check the compliance status of the node.

Create a management group.

Assign the node configuration.

Compile a configuration into a node configuration.

Upload a configuration to Azure Automation State Configuration.

Assign tags to the virtual machines.



- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Step 1: Assign the node configuration.

You create a simple DSC configuration that ensures either the presence or absence of the Web-Server Windows Feature (IIS), depending on how you assign nodes.

Step 2: Upload a configuration to Azure Automation State Configuration. You import the configuration into the Automation account.

Step 3: Compiling a configuration into a node configuration Compiling a configuration in Azure Automation

Before you can apply a desired state to a node, a DSC configuration defining that state must be compiled into one or more node configurations (MOF document), and placed on the Automation DSC Pull Server.

Step 4: Onboard the virtual machines to Azure State Configuration

Onboarding an Azure VM for management with Azure Automation State Configuration

Step 5: Check the compliance status of the node.

Viewing reports for managed nodes. Each time Azure Automation State Configuration performs a consistency check on a managed node, the node sends a status report back to the pull server. You can view these reports on the page for that node.

On the blade for an individual report, you can see the following status information for the corresponding consistency check:

The report status — whether the node is "Compliant", the configuration "Failed", or the node is "Not Compliant" (when the node is in ApplyandMonitor mode and the machine is not in the desired state).

References: <https://docs.microsoft.com/en-us/azure/automation/automation-dsc-getting-started>

### NEW QUESTION 193

- (Topic 4)

Your company uses the following resources:

? Windows Server 2019 container images hosted in an Azure Container Registry

? Azure virtual machines that run the latest version of Ubuntu An Azure

? Log Analytics workspace Azure Active Directory (Azure AD)

? An Azure key vault

For which two resources can you receive vulnerability assessments in Azure Security Center? Each correct answer presents part of the solution.

- A. the Azure Log Analytics workspace
- B. the Azure key vault
- C. the Azure virtual machines that run the latest version of Ubuntu
- D. Azure Active Directory (Azure AD)
- E. the Windows Server 2019 container images hosted in the Azure Container Registry

**Answer:** CE

### Explanation:

<https://docs.microsoft.com/en-us/azure/security-center/features-paas> <https://docs.microsoft.com/en-us/azure/security-center/container-security>

### NEW QUESTION 197

DRAG DROP - (Topic 4)

You have an Azure Repos repository named repo1.

You need to clone repo1. The solution must clone only a directory named src/web.

How should you complete the script? 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 spirt bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 198

- (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

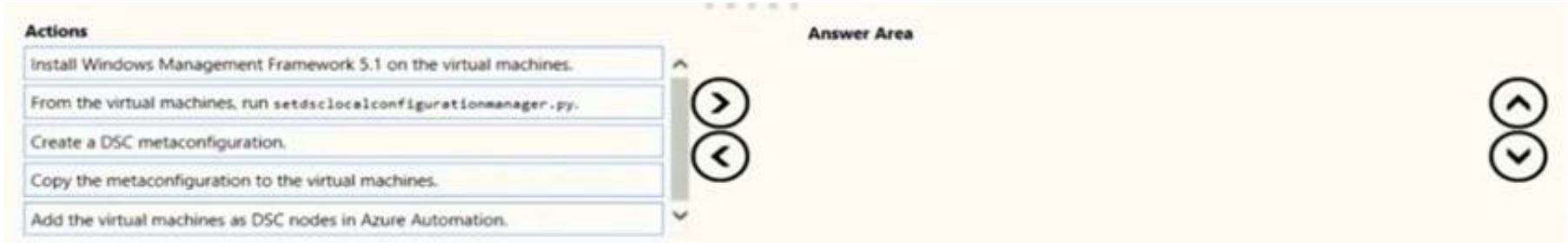
Explanation:

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 199

DRAG DROP - (Topic 4)

Your company has two virtual machines that run Linux in a third-party public cloud. You plan to use the company's Azure Automation State Configuration implementation to manage the two virtual machines and detect configuration drift. You need to onboard the Linux virtual machines. You install PowerShell Desired State Configuration (DSC) on the virtual machines, and then run register.py. Which three actions should you perform next in sequence? To answer, move the 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 a DSC metaconfiguration Load up the DSC Configuration into Azure Automation. Step 2: Copy the metaconfiguration to the virtual machines. Linking the Node Configuration to the Linux Host Step 3: Add the virtual machines as DSC nodes in Azure Automation. go to DSC Nodes, select your node, and then click Assign node configuration. This step assigns the DSC configuration to the Linux machine. Next up will be to link the node configuration to the host. Go to the host and press the "Assign node..."-button. Next up you can select your node configuration.

NEW QUESTION 201

- (Topic 4)

You are developing an open source solution that uses a GitHub repository. You create a new public project in Azure DevOps.



You plan to use Azure Pipelines for continuous build. The solution will use the GitHub Checks API.  
Which authentication type should you use?

- A. a personal access token
- B. SAML
- C. GitHub App
- D. OAuth

Answer: C

Explanation:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/repos/github?view=azure-devops&tabs=yaml> <https://developer.github.com/v3/checks/>

NEW QUESTION 204

- (Topic 4)

You use Azure Pipelines to build and release application code, The pipelines include validation tests that must be completed successfully before deployment proceeds from the test stage to production.  
You discover inconsistent test outcomes for the same source code. You need to validate the test logic.  
What should you do?

- A. Decrease the test pass rate.
- B. Configure a parallel test runner.
- C. Enable flaky test detection.
- D. Install the Analytics extension.

Answer: B

NEW QUESTION 205

- (Topic 4)

You plan to share packages that you wrote, tested, validated, and deployed by using Azure Artifacts.  
You need to release multiple builds of each package by using a single feed. The solution must limit the release of packages that are in development.  
What should you use?

- A. global symbols
- B. local symbols
- C. upstream sources
- D. views

Answer: C

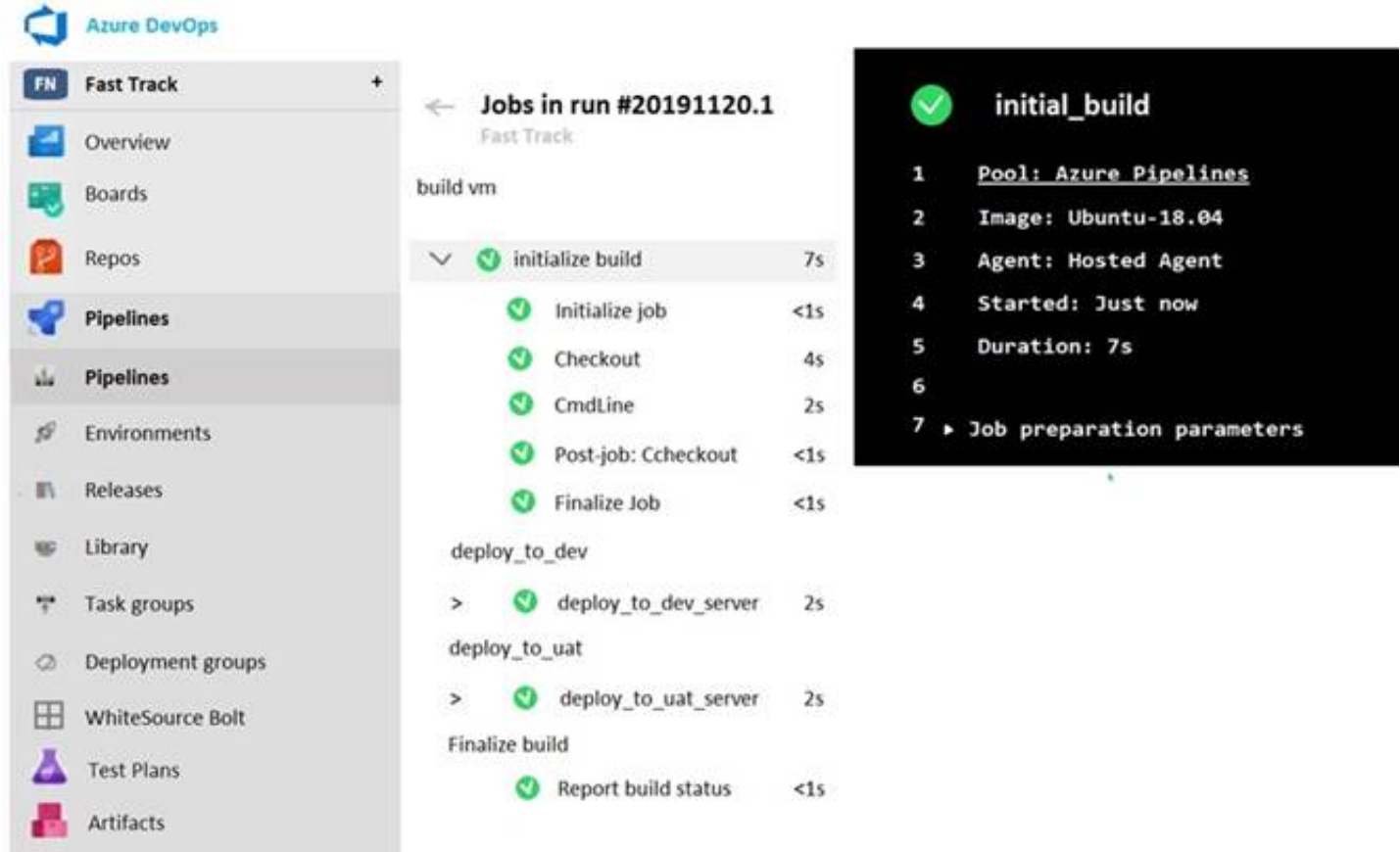
Explanation:

Views enable you to share subsets of the NuGet, npm, Maven, Python and Universal Packages package-versions in your feed with consumers. A common use for views is to share package versions that have been tested, validated, or deployed but hold back packages still under development and packages that didn't meet a quality bar. <https://docs.microsoft.com/en-us/azure/devops/artifacts/concepts/views?view=azure-devops>

NEW QUESTION 209

HOTSPOT - (Topic 4)

You company uses Azure DevOps to deploy infrastructures to Azure. Pipelines are developed by using YAML.  
You execute a pipeline and receive the results in the web portal for Azure Pipelines as 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.



The pipeline contains

	▼
one stage	
two stages	
three stages	
four stages	
five stages	

Build\_vm contains

	▼
one job	
two jobs	
three jobs	
four jobs	
five jobs	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The pipeline contains

	▼
one stage	
two stages	
three stages	
four stages	
five stages	

Build\_vm contains

	▼
one job	
two jobs	
three jobs	
four jobs	
five jobs	

NEW QUESTION 210

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

	▼
add	
commit	
push	
tag	

	▼
-a	
-b	
-c	
-m	

v3.0

	▼
-a	
-b	
-c	
-m	

"Release v3.0"

- 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 211

DRAG DROP - (Topic 4)  
You are creating a container for an ASP.NET Core app.  
You need to create a Dockerfile file to build the image. The solution must ensure that the size of the image is minimized.  
How should you configure the file? To answer, drag the appropriate values to the correct targets. Each value must 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

dotnet publish -c Release -o out

dotnet restore

microsoft/dotnet:2.2-aspnetcore-runtime

Microsoft/dotnet:2.2-sdk

Answer Area

FROM

As build-env

COPY . /app/

WORKDIR /app

RUN

FROM

COPY --from=build-env /app/out /app

WORKDIR /app

ENTRYPOINT ["dotnet", "MvcMovie.dll"]

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: microsoft.com/dotnet/sdk:2.3  
The first group of lines declares from which base image we will use to build our container on top of. If the local system does not have this image already, then docker will automatically try and fetch it. The mcr.microsoft.com/dotnet/core/sdk:2.1 comes packaged with the .NET core 2.1 SDK installed, so it's up to the task of building ASP .NET core projects targeting version 2.1  
Box 2: dotnet restore  
The next instruction changes the working directory in our container to be /app, so all commands following this one execute under this context.  
COPY \*.csproj ./ RUN dotnet restore  
Box 3: microsoft.com/dotnet/2.2-aspnetcore-runtime  
When building container images, it's good practice to include only the production payload and its dependencies in the container image. We don't want the .NET core SDK included in our final image because we only need the .NET core runtime, so the dockerfile is written to use a temporary container that is packaged with the SDK called build-env to build the app.

NEW QUESTION 213

DRAG DROP - (Topic 4)  
You mc configuring Azure DevOps build pipelines. You plan to use hosted build agents.  
Which build agent pool should you use to compile each application type? To answer, drag the appropriate built agent pools to the correct application types. Each butt agent pool 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.

Build Agent Pools

Hosted Windows Container

Hosted Ubuntu 1604

Hosted macOS

Hosted

Default

Answer Area

An application that runs on iOS:

An Internet Information Services (IIS) web application that runs in Docker:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Hosted macOS

Hosted macOS pool (Azure Pipelines only): Enables you to build and release on macOS without having to configure a self-hosted macOS agent. This option affects where your data is stored.

Box 2: Hosted

Hosted pool (Azure Pipelines only): The Hosted pool is the built-in pool that is a collection of Microsoft-hosted agents.

#### NEW QUESTION 214

- (Topic 4)

You manage source code control and versioning by using GitHub. A large file is 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 219

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.

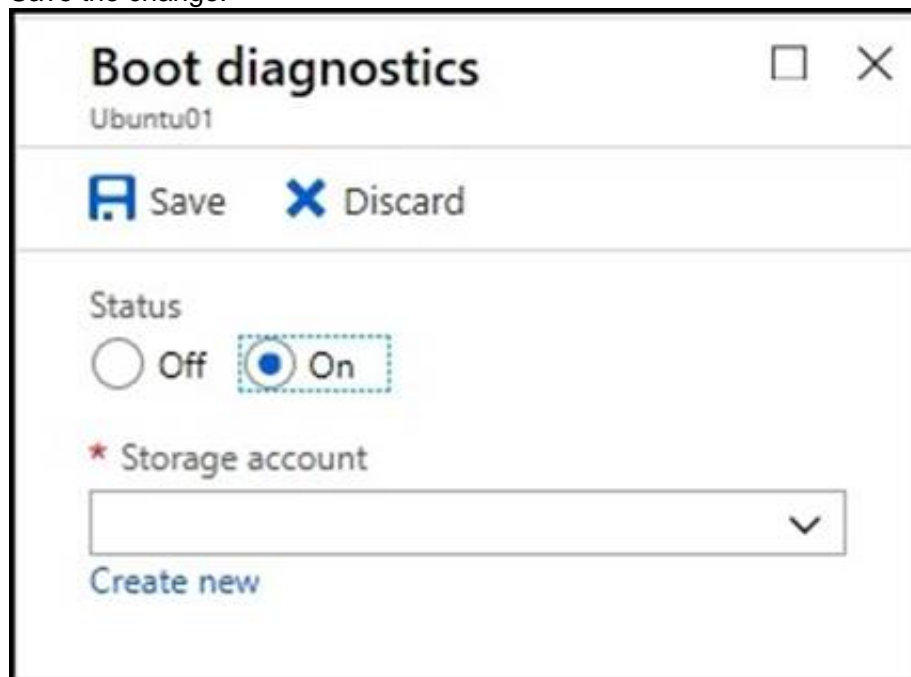
Step 2: Enable boot diagnostics on existing virtual machine

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 221

- (Topic 4)

You configure Azure Application Insights and the shared service plan tier for a web app. You enable Smart Detection.

You confirm that standard metrics are visible in the logs, but when you test a failure, you do not receive a Smart Detection notification

What prevents the Smart Detection notification from being sent?

- A. You must restart the web app before Smart Detection is enabled.
- B. Smart Detection uses the first 24 hours to establish the normal behavior of the web app.
- C. You must enable the Snapshot Debugger for the web app.
- D. The web app is configured to use the shared service plan tier.

**Answer:** B

#### NEW QUESTION 223

- (Topic 4)

You use Azure SQL Database Intelligent Insights and Azure Application Insights for monitoring.

You need to write ad-hoc Queries against the monitoring data. Which Query language should you use?

- A. PL/pgSQL
- B. Transact-SQL
- C. Azure Log Analytics
- D. PL/SQL

**Answer:** C

**Explanation:**

Data analysis in Azure SQL Analytics is based on Log Analytics language for your custom querying and reporting.

References: <https://docs.microsoft.com/en-us/azure/azure-monitor/insights/azure-sql>

**NEW QUESTION 226**

DRAG DROP - (Topic 4)

Your company has four projects. The version control requirements for each project are shown in the following table.

Project	Requirement
Project 1	Project leads must be able to restrict access to individual files and folders in the repository.
Project 2	The version control system must enforce the following rules before merging any changes to the main branch: <ul style="list-style-type: none"> <li>Changes must be reviewed by at least two project members.</li> <li>Changes must be associated to at least one work team.</li> </ul>
Project 3	The project members must be able to work in Azure Repos directly from Xcode.
Project 4	The release branch must only be viewable or editable by the project leads.

You plan to use Azure Repos for all the projects.

Which version control system should you use for each project? To answer, drag the appropriate version control systems to the correct projects. Each version control system 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.

**Version Control Systems**

**Answer Area**

<input type="text" value="Git"/>	Project 1: <input type="text"/>
<input type="text" value="Perforce"/>	Project 2: <input type="text"/>
<input type="text" value="Subversion"/>	Project 3: <input type="text"/>
<input type="text" value="Team Foundation Version Control"/>	Project 4: <input type="text"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

- 1 -> TFVS Refer : <https://docs.microsoft.com/en-us/azure/devops/repos/tfvc/control-access-team-foundation-version-control?view=azure-devops>
- 2 -> TFVS Refer : <https://docs.microsoft.com/en-us/azure/devops/repos/tfvc/add-check-policies?view=azure-devops>
- 3 -> Git Refer : <https://docs.microsoft.com/en-us/azure/devops/repos/git/share-your-code-in-git-xcode?view=azure-devops>
- 4 -> TFVS Refer : <https://docs.microsoft.com/en-us/azure/devops/organizations/security/permissions?view=azure-devops#tfvc>

**NEW QUESTION 231**

- (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 Git repository in Azure DevOps.

Solution: Configure the build pipeline to use a Hosted VS 2017 agent pool. Include the Java Tool Installer task in the build pipeline.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B



Explanation:

Instead use Octopus Tentacle.

References:

<https://explore.emtecinc.com/blog/octopus-for-automated-deployment-in-devops-models>

NEW QUESTION 235

- (Topic 4)

You are designing the development process for your company.

You need to recommend a solution for continuous inspection of the company's code base to locate common code patterns that are known to be problematic.

What should you include in the recommendation?

- A. Microsoft Visual Studio test plans
- B. Gradle wrapper scripts
- C. SonarCloud analysis
- D. the JavaScript task runner

Answer: C

Explanation:

SonarCloud is a cloud service offered by SonarSource and based on SonarQube.

SonarQube is a widely

adopted open source platform to inspect continuously the quality of source code and detect bugs, vulnerabilities and code smells in more than 20 different languages.

Note: The SonarCloud Azure DevOps extension brings everything you need to have your projects analyzed on SonarCloud very quickly.

NEW QUESTION 236

- (Topic 4)

You use GitHub for source control

You are evaluating whether to use proxying to add a private upstream MyGet package feed to your MyGet feed. What are two possible advantages of this approach? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

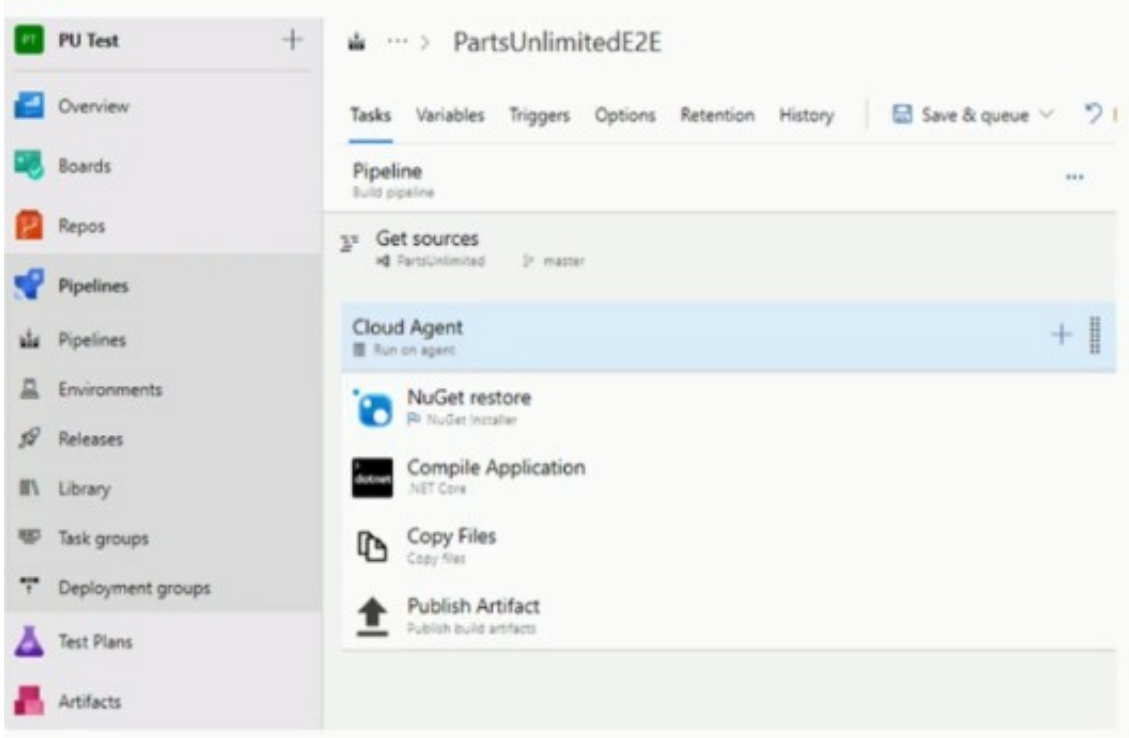
- A. minimizes latency when accessing the package
- B. provides automatic authentication
- C. minimizes the impact on your storage quota
- D. minimizes the impact of upstream source availability issues

Answer: BC

NEW QUESTION 241

HOTSPOT - (Topic 4)

You have the Azure DevOps pipeline 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.

Answer Area

The pipeline has  job(s).

The pipeline has  task(s).

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Box 1: 1

The Cloud agent job only.

Box 2: 4

The pipelines has the four tasks: NuGet restore, Compile Application, Copy Files, and Publish Artifact.

**NEW QUESTION 246**

- (Topic 4)

You have a GitHub repository that contains multiple versions of an Azure Pipelines template. You plan to deploy multiple pipelines that will use a template stored in the repository. You need to ensure that you use a fixed version of the template. What should you use to reference which version of the template repository to use?

- A. the runner
- B. the branch
- C. the SHA-based hashes
- D. the serial

**Answer:** B

**NEW QUESTION 251**

HOTSPOT - (Topic 4)

You have an Azure Kubernetes Service (AKS) pod.

You need to configure a probe to perform the following actions: Confirm that the pod is responding to service requests.

Check the status of the pod four times a minute. Initiate a shutdown if the pod is unresponsive.

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

NOTE: Each correct selection is worth one point.

```
apiVersion: v1
kind: Pod
metadata:
  labels:
    test: readiness-and-liveness
  name: readiness-http
spec:
  containers:
  - name: container1
    image: k8s.gcr.io/readiness-and-liveness
    args:
    - /server
```

livenessProbe:	
readinessProbe:	
ShutdownProbe:	
startupProbe:	

```
httpGet:
  path: /checknow
  port: 8123
  httpHeaders:
  - name: Custom-Header
    value: CheckNow
```

initialDelaySeconds: 15	
periodSeconds: 15	
timeoutSeconds: 15	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application Description automatically generated

Box 1: readiness Probe:

For containerized applications that serve traffic, you might want to verify that your container is ready to handle incoming requests. Azure Container Instances supports readiness probes to include configurations so that your container can't be accessed under certain conditions.

**NEW QUESTION 255**

- (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-kykCB7l\\_C7L88Q7kpiuTzuD6Xw1jUb6ZqIP7O0aApVzEALw\\_wcB](https://www.sonarqube.org/features/security/owasp/?gclid=Cj0KCQiAzZL- BRDnARIsAPCJs70Teq0-efl2Hd_h-kykCB7l_C7L88Q7kpiuTzuD6Xw1jUb6ZqIP7O0aApVzEALw_wcB)

**NEW QUESTION 259**

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	Answer Area
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).	

>

<

↑

↓

- 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 264**

- (Topic 4)

Note: This question is part of \* 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 sett 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 poky stating that approvals must occur within eighthour.

You discover that deployments 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 Post-deployment conditions, you modify the Time between re-evaluation of gates option.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:**

Use a gate From Pre-deployment conditions instead.

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

**NEW QUESTION 268**

DRAG DROP - (Topic 4)

You create a Git repository named Repo1 in Azure Repos.

You need to configure Repo1 to meet the following requirements:

- Work items must be linked to a pull request.
- Pull requests must have a minimum of two reviewers.

\* Pull requests must complete a code review by using a thirty-party tool. The solution must minimize administrative effort.

Which type of policy should you use 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.

Policies

Branch

Build

Check-in

Status

Answer Area

Work items must be linked to a pull request:

Pull requests must complete a code review by a third-party tool:

Pull requests must have a minimum of two reviewers:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Policies

Branch

Build

Check-in

Status

Answer Area

Work items must be linked to a pull request:

Pull requests must complete a code review by a third-party tool:

Pull requests must have a minimum of two reviewers:

NEW QUESTION 269

HOTSPOT - (Topic 4)

Your company uses Azure DevOps for Get source control.  
You have a project in Azure DevOps named Contoso App that contains the following repositories:  
? <https://dev.azure.com/contoso/contoso-app/core-api>  
? <https://dev.azure.com/contoso/contoso-app/core-spa>  
? <https://dev.azure.com/contoso/contoso-app/core-db>  
You need to ensure that developers receive Slack notifications when there are pull requests created for Contoso App.  
What should you run in Slack? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

/azrepos

feedback

signin

subscribe

subscriptions

<https://dev.azure.com/contoso/contoso-app>

<https://dev.azure.com/contoso/contoso-app/core-api>

<https://dev.azure.com/contoso/contoso-app/core-db>

<https://dev.azure.com/contoso/contoso-app/core-spa>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: subscribe  
To start monitoring all Get repositories in a project, use the following slash command inside a channel:  
/azrepos subscribe [project ur1]  
Box 2: <https://dev.azure.com/contoso/contoso-app>  
You can also monitor a specific repository using the following command:  
/azrepos subscribe [repository ur1]  
The repository URL can be to any page within your repository that has your repository name.  
For example, for Get repositories, use:  
/azrepos subscribe [https://dev.azure.com/myorg/myproject/\\_git/myrepository](https://dev.azure.com/myorg/myproject/_git/myrepository)

NEW QUESTION 272

- (Topic 4)

You have an Azure subscription that contains multiple Azure pipelines.  
You need to deploy a monitoring solution for the pi\*lines. 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 include in the solution?



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

**Answer:** B

#### NEW QUESTION 276

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.



- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

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

#### NEW QUESTION 279

- (Topic 4)

You manage a project by using Azure Boards. You manage the project code by using GitHub.

You have three work items that have IDs of 456, 457, and 458.

You need to create a pull request that will be linked to all the work items. The solution must set the state of work item 456 to done.

What should you add to the commit message?

A)

Fixes #456, #457, #458

B)

Fixes #AB456, #AB457, #AB458

C)

#456, #457, #458  
Completed #456

D)

#AB456, #AB457, #AB458

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

**Answer:** D

#### NEW QUESTION 281

- (Topic 4)

Your company is building a new solution in Java.

The company currently uses a SonarQube server to analyze the code of .NET solutions. You need to analyze and monitor the code quality of the Java solution.

Which task types should you add to the build pipeline?

- A. Chef
- B. Gradle
- C. Octopus
- D. Gulp

**Answer:** B

#### Explanation:

SonarQube is a set of static analyzers that can be used to identify areas of improvement in your code. It allows you to analyze the technical debt in your project and keep track of it in the future. With Maven and Gradle build tasks, you can run SonarQube analysis with minimal setup in a new or existing Azure DevOps Services build task.

References:

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

#### NEW QUESTION 285

- (Topic 4)

You are building a Microsoft ASP.NET application that requires authentication.

You need to authenticate users by using Azure Active Directory (Azure AD). What should you do first?

- A. Create a membership database in an Azure SQL database.
- B. Assign an enterprise application to users and groups.
- C. Create an app registration in Azure AD.
- D. Configure the application to use a SAML endpoint.
- E. Create a new OAuth token from the application.

**Answer: C**

#### Explanation:

Register your application to use Azure Active Directory. Registering the application means that your developers can use Azure AD to authenticate users and request access to user resources such as email, calendar, and documents.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/developer-guidance-for-integrating-applications>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/quickstart-v2-aspnet-webapp>

#### NEW QUESTION 289

DRAG DROP - (Topic 4)

You are building an application that has the following assets:

? Source code

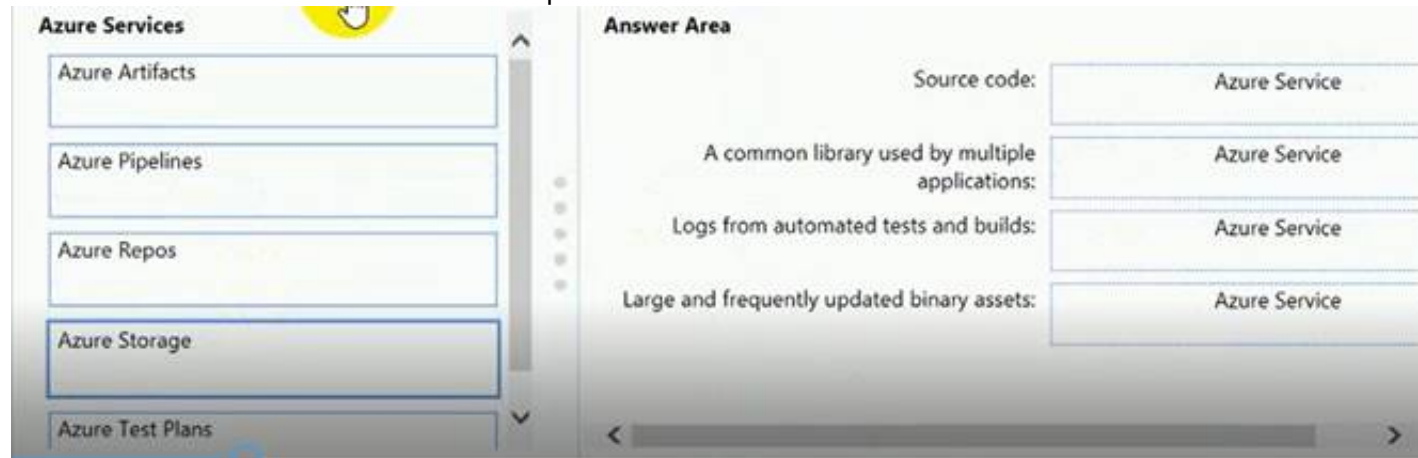
? Logs from automated tests and builds

? Large and frequently updated binary assets

? A common library used by multiple applications

Where should you store each asset? To answer, drag the appropriate Azure services to the correct assets. Each service may be used once. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

Box 1: Azure Repos Box 2: Azure Artifacts

Use Azure Artifacts to create, host, and share packages with your team.

Box 3: Azure Pipelines

In the pipeline view you can see all the stages and associated tests. The view provides a summary of the test results

Box 4: Azure Storage

#### NEW QUESTION 293

HOTSPOT - (Topic 4)

Your company is creating a suite of three mobile applications.

You need to control access to the application builds. The solution must be managed at the organization level

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

Groups to control the build access:

▼

Active Directory groups

Azure Active Directory groups

Microsoft Visual Studio App Center distribution groups

Group type:

▼

Private

Public

Shared

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Microsoft Visual Studio App Center distribution Groups

Distribution Groups are used to control access to releases. A Distribution Group represents a set of users that can be managed jointly and can have common access to releases. Example of Distribution Groups can be teams of users, like the QA Team or External Beta Testers or can represent stages or rings of releases, such as Staging.

Box 2: Shared

Shared distribution groups are private or public distribution groups that are shared across multiple apps in a single organization. Shared distribution groups eliminate the need to replicate distribution groups across multiple apps.

Note: With the Deploy with App Center Task in Visual Studio Team Services, you can deploy your apps from Azure DevOps (formerly known as VSTS) to App Center. By deploying to App Center, you will be able to distribute your builds to your users.

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

**NEW QUESTION 298**

SIMULATION - (Topic 4)

You need to ensure that an Azure web app named az400-9940427-main supports rolling upgrades. The solution must ensure that only 10 percent of users who connect to az400- 9940427-main use update versions of the app.

The solution must minimize administrative effort.

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

- A. Mastered
- B. Not Mastered

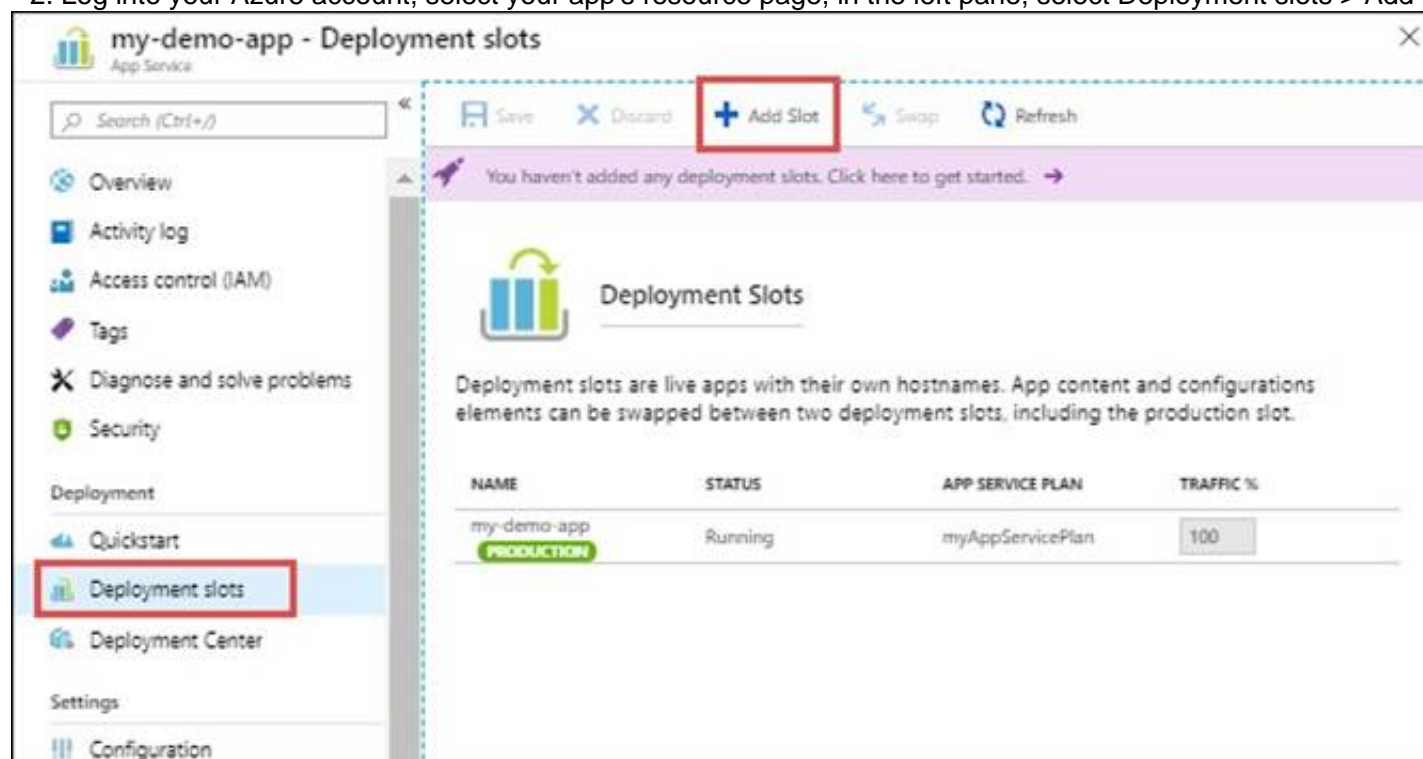
**Answer:** A

**Explanation:**

Set up staging environments in Azure App Service

\* 1. Open Microsoft Azure Portal

\* 2. Log into your Azure account, select your app's resource page, in the left pane, select Deployment slots > Add Slot.



\* 3. In the Add a slot dialog box, give the slot a name, and select whether to clone an app configuration from another deployment slot. Select Add to continue.

Add a slot

Name

staging

Clone settings from:

Do not clone settings

Add

Close

- \* 4. After the slot is added, select Close to close the dialog box. The new slot is now shown on the Deployment slots page. By default, Traffic % is set to 0 for the new slot, with all customer traffic routed to the production slot.
- \* 5. Select the new deployment slot to open that slot's resource page.

my-demo-app - Deployment slots

Search (Ctrl+J)

Save Discard Add Slot Swap Refresh

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Security

Deployment

Quickstart

Deployment slots

Deployment Center

Settings

Configuration

Deployment Slots

Deployment slots are live apps with their own hostnames. App content and configurations elements can be swapped between two deployment slots, including the production slot.

NAME	STATUS	APP SERVICE PLAN	TRAFFIC %
my-demo-app <b>PRODUCTION</b>	Running	myAppServicePlan	100
my-demo-app-staging	Running	myAppServicePlan	0

- \* 6. Change TRAFFIC % to 10 References:  
<https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots>

NEW QUESTION 299

- (Topic 4)

Note: This question is part of a series les 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 m 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 Dev Ops deployment. You need Azure Dev Ops lo send a notification to Jenkins when a developer commits changes to a branch in Azure Repos.  
Solution: You create an email subscription to an Azure DevOps notification. 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.  
References:  
<https://docs.microsoft.com/en-us/azure/devops/service-hooks/services/jenkins>

NEW QUESTION 302

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.



Burndown	The elapsed time from the creation of work items to their completion:	
Cycle Time		
Lead Time	The elapsed time to complete work items once they are active:	
Velocity	The remaining work:	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application, chat or text message Description automatically generated

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: Burn down

Burn down charts focus on remaining work within a specific time period.

**NEW QUESTION 306**

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 310**

- (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 314

- (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 318

- (Topic 3)  
You need !0 the merge the POC branch into the default branch. The solution must meet the technical requirements. Which command should you run?

- A. it push
- B. git merge -- allow-unrelated-histories
- C. git rebase
- D. git merge --squash

Answer: C

NEW QUESTION 322

DRAG DROP - (Topic 3)  
You are configuring the Azure DevOps dashboard. The solution must meet the technical requirements.  
Which widget should you use for each metric? To answer, drag the appropriate widgets to the correct metrics. Each 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.

Widgets	Metrics
Velocity	
Query tile	
Query results	1:
Sprint burndown	2:
Cumulative flow diagram	3:
Release pipeline overview	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Woodgrove Bank identifies the following technical requirements:  
? The Azure DevOps dashboard must display the metrics shown in the following table:  
Box 1: Velocity  
Velocity displays your team velocity. It shows what your team delivered as compared to plan.  
Box 2: Release pipeline overview  
Release pipeline overview shows the status of environments in a release definition.  
Box 3: Query tile  
Query tile displays the total number of results from a query.

### NEW QUESTION 323

DRAG DROP - (Topic 3)

You need to replace the existing DevOps tools to support the planned changes.

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

NOTE: Each correct selection is worth one point.

Tools	Answer Area
Azure Boards	Trello: Tool
Azure Artifacts	Bamboo: Tool
GitHub Actions	BitBucket: Tool
Azure Pipelines	
Azure Test Plans	
GitHub repositories	

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: Azure Boards

Azure Boards can be used to track work with Kanban boards, backlogs, team dashboards, and custom reporting

You can create multiple Trello boards, which are spaces to store tasks (for different work contexts, or even private boards)

You can easily share Trello boards with another person.

Box 2: Azure Pipelines

You can use Bamboo to implement CI/CD (Continuous Integration and Continuous Delivery) for a simple Azure function app using Atlassian Bamboo. Bamboo does continuous delivery of the project from source code to deployment. It has stages including Build, Test and Deploy.

Software teams in every industry are upgrading their continuous delivery pipeline with Bamboo. Easy build import from popular open source tools, user and group import from JIRA, seamless integration with Bitbucket, and native support for Git, Hg, and SVN means you'll be building and deploying like a champ.

Box 3: GitHub repositories

Bitbucket can be used as the Git repository, but you can use any other Git repository (Like TFS Git) for source control of the code.

### NEW QUESTION 324

- (Topic 3)

You need to meet the technical requirements for controlling access to Azure DevOps.

What should you use?

- A. Azure Multi-Factor Authentication (MFA)
- B. on-premises firewall rules
- C. conditional access policies in Azure AD
- D. Azure role-based access control (Azure RBAC)

**Answer:** B

#### Explanation:

Scenario: Access to Azure DevOps must be restricted to specific IP addresses.

Azure DevOps is authenticated through Azure Active Directory. You can use Azure AD's conditional access to prevent logins from certain geographies and address ranges.

Reference:

<https://www.rebeladmin.com/2018/08/step-step-guide-configure-location-based-conditional-access-policies/>

### NEW QUESTION 327

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 332

DRAG DROP - (Topic 2)  
You need to implement Project6.  
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

Open the release pipeline editor.

Open the **Triggers** tab.

Disable the continuous integration trigger.

Enable Gates.

Add a manual intervention task.

Add Query Work Items.

Answer Area

1

2

3

>

<

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- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Scenario: Implement Project3, Project5, Project6, and Project7 based on the planned changes

Project 6	Project6 will provide support for build and deployment pipelines. Deployment will be allowed only if the number of current work items representing active software bugs is 0.
-----------	---

Step 1: Open the release pipeline editor.  
In the Releases tab of Azure Pipelines, select your release pipeline and choose Edit to open the pipeline editor.  
Step 2: Enable Gates.  
Choose the pre-deployment conditions icon for the Production stage to open the conditions panel. Enable gates by using the switch control in the Gates section.  
Step 3: Add Query Work items.  
Choose + Add and select the Query Work Items gate. Configure the gate by selecting an existing work item query.



Deployment gates ⓘ

Query Work Items

Query Work Items ⓘ

Task version 0.\*

Display name \*  
Query Work Items

Query \* ⓘ  
Active Bugs

Upper threshold \* ⓘ  
0

Advanced ^  
Lower threshold \* ⓘ  
0

Output Variables ^  
Reference name ⓘ  

Variables list

There are no output variables associated with this task [more information](#)

Evaluation options v

+ Add v

Enabled

Note: A case for release gate is:  
Incident and issues management. Ensure the required status for work items, incidents, and issues. For example, ensure deployment occurs only if no priority zero bugs exist, and validation that there are no active incidents takes place after deployment.  
References:  
<https://docs.microsoft.com/en-us/azure/devops/pipelines/release/deploy-using-approvals?view=azure-devops#configure-gate>

NEW QUESTION 334

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 in the correct order.

Actions

Answer Area

Create a fork

Create a branch

Add a build validation policy.

Add a build policy

Create a repository

Add an application access policy.

⏪

⏩

⏴

⏵

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**  
Step 1: Create a repository  
A Git repository, or repo, is a folder that you've told Git to help you track file changes in. You can have any number of repos on your computer, each stored in their own folder.  
Step 2: Create a branch  
Branch policies help teams protect their important branches of development. Policies enforce your team's code quality and change management standards.  
Step 3: Add a build validation policy  
When a build validation policy is enabled, a new build is queued when a new pull request is created or when changes are pushed to an existing pull request

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visit - <https://www.certshared.com>

targeting this branch. The build policy then evaluates the results of the build to determine whether the pull request can be completed.

Scenario:

Implement a code flow strategy for Project2 that will: Enable Team2 to submit pull requests for Project2.

Enable Team2 to work independently on changes to a copy of Project2.

Ensure that any intermediary changes performed by Team2 on a copy of Project2 will be subject to the same restrictions as the ones defined in the build policy of Project2.

Project2 will use an automatic build policy. A small team of developers named Team2 will work independently on changes to the project. The Team2 members will not have permissions to Project2.

References: <https://docs.microsoft.com/en-us/azure/devops/repos/git/manage-your-branches>

NEW QUESTION 336

DRAG DROP - (Topic 2)

You need to configure Azure Automation for the computers in Pool7.

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.

Run the New-AzureRmResourceGroupDeployment Azure PowerShell cmdlet.

Create an Azure Resource Manager template file that has an extension of .json.

Run the Import-AzureRmAutomationDscConfiguration Azure PowerShell cmdlet.

Run the start-AzureRmAutomationDscCompilationJob Azure PowerShell cmdlet.

Create a Desired State Configuration (DSC) configuration file that has an extension of .ps1.

➤

➡

1

2

3

⬆

⬇

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Run the New-AzureRmResourceGroupDeployment Azure PowerShell cmdlet.

Create an Azure Resource Manager template file that has an extension of .json.

Run the Import-AzureRmAutomationDscConfiguration Azure PowerShell cmdlet.

Run the start-AzureRmAutomationDscCompilationJob Azure PowerShell cmdlet.

Create a Desired State Configuration (DSC) configuration file that has an extension of .ps1.

➤

➡

1

2

3

⬆

⬇

Create a Desired State Configuration (DSC) configuration file that has an extension of .ps1.

Run the Import-AzureRmAutomationDscConfiguration Azure PowerShell cmdlet.

Run the start-AzureRmAutomationDscCompilationJob Azure PowerShell cmdlet.

NEW QUESTION 340

HOTSPOT - (Topic 1)

You need to configure a cloud service to store the secrets required by the mobile applications to call the share.

What should you include in the solution? 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 343**

HOTSPOT - (Topic 1)

How should you complete the code to initialize App Center in the mobile application? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection a worth one point.

```
MSAppCenter.start
( "{Your App Secret}",
  withServices:
)
```

[MSAnalytics.self,
[MSDistribute.self,
[MSPush.self,

MSAnalytics.self]
MSCrashes.self]
MSDistribute.self]

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Scenario: Visual Studio App Center must be used to centralize the reporting of mobile application crashes and device types in use.

In order to use App Center, you need to opt in to the service(s) that you want to use, meaning by default no services are started and you will have to explicitly call each of them when starting the SDK.

Insert the following line to start the SDK in your app's App Delegate class in the didFinishLaunchingWithOptions method.

MSAppCenter.start("{Your App Secret}", withServices: [MSAnalytics.self, MSCrashes.self]) References: <https://docs.microsoft.com/en-us/appcenter/sdk/getting-started/ios>

**NEW QUESTION 344**

- (Topic 1)

You are using GitHub as a source code repository.

You create a client-side Git hook on the commit-msg event. The hook requires that each commit message contain a custom work item tag.

You need to make a commit that does not have a work item tag. Which git commit parameter should you use?

- A. --squash  
 B. --no-verify  
 C. --message "  
 D. --no-post-rewrite

**Answer:** B

**Explanation:**

The commit-msg hook is invoked by git-commit and git-merge, and can be bypassed with the --no-verify option.

Reference:

<https://git-scm.com/docs/ghooks>



NEW QUESTION 346

HOTSPOT - (Topic 1)  
HOTSPOT

You have an Azure virtual machine named VM1 that runs Linux.

You plan to deploy the Desired State Configuration (DSC) extension to VM1. You need to grant the Log Analytics agent the appropriate directory permissions.

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

NOTE: Each correct selection is worth one point.

setfacl -m u:omsagent:

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: rwx

The Log Analytics agent for Linux runs as the omsagent user. To grant >write permission to the omsagent user, run the command setfacl -m u:omsagent:rwx /tmp.

Box 2: /tmp

Deploying DSC to a Linux node uses the /tmp folder.

NEW QUESTION 347

- (Topic 1)

Which branching strategy should you recommend for the investment planning applications suite?

- A. release isolation

B. main only

C. development isolation

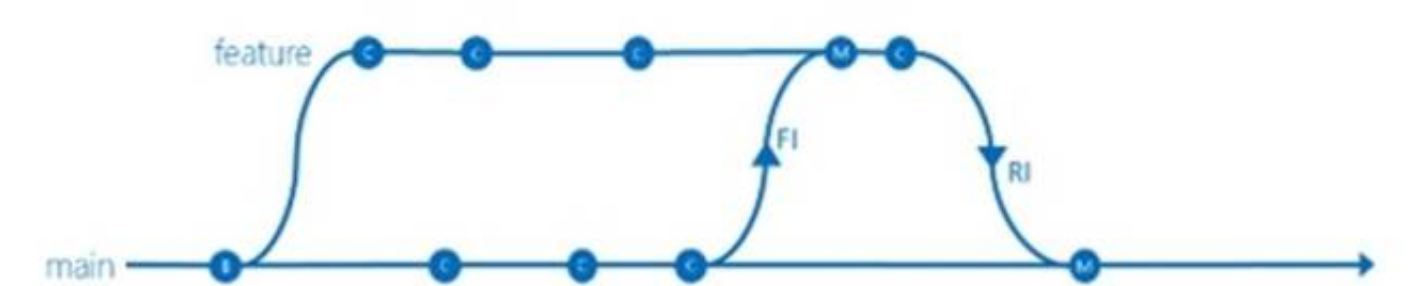
D. feature isolation

Answer: D

Explanation:

Scenario: A branching strategy that supports developing new functionality in isolation must be used.

Feature isolation is a special derivation of the development isolation, allowing you to branch one or more feature branches from main, as shown, or from your dev branches.



When you need to work on a particular feature, it might be a good idea to create a feature branch.

NEW QUESTION 349

- (Topic 1)

What should you use to implement the code quality restriction on the release pipeline for the investment planning applications suite?

- A. a trigger

B. a pre deployment approval

C. a post-deployment approval

D. a deployment gate

Answer: B

NEW QUESTION 352

- (Topic 1)

To resolve the current technical issue, what should you do to the Register- AzureRmAutomationDscNode command?

- A. Change the value of the ConfigurationMode parameter.

B. Replace the Register-AzureRmAutomationDscNode cmdlet with Register-AzureRmAutomationScheduledRunbook

C. Add the AllowModuleOverwrite parameter.

D. Add the DefaultProfile parameter.

Answer: A

Explanation:



Change the ConfigurationMode parameter from ApplyOnly to ApplyAndAutocorrect.

The Register-AzureRmAutomationDscNode cmdlet registers an Azure virtual machine as an APS Desired State Configuration (DSC) node in an Azure Automation account.

Scenario: Current Technical Issue

The test servers are configured correctly when first deployed, but they experience configuration drift over time. Azure Automation State Configuration fails to correct the configurations.

Azure Automation State Configuration nodes are registered by using the following command.

```
Register-AzureRmAutomationDscNode
-ResourceGroupName 'TestResourceGroup'
-AutomationAccountName 'LitwareAutomationAccount'
-AzureVMName $vmname
-ConfigurationMode 'ApplyOnly'
```

References: <https://docs.microsoft.com/en-us/powershell/module/azurermsautomation/register-azurermsautomationdscnode?view=azurermps-6.13.0>

### NEW QUESTION 355

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:

<input type="checkbox"/>	Certificate
<input type="checkbox"/>	Personal access token
<input type="checkbox"/>	Shared Access Authorization token
<input type="checkbox"/>	Username and password

Storage location:

<input type="checkbox"/>	Azure Data Lake
<input type="checkbox"/>	Azure Key Vault
<input type="checkbox"/>	Azure Storage with HTTP access
<input type="checkbox"/>	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 359

- (Topic 4)

You have an Azure web app named webapp1 that uses the .NET Core runtime stack. You have an Azure Application Insights resource named AppInsight1.

Webapp1 sends telemetry data to AppInsights1.

You need to ensure that webapp1 sends the telemetry data at a fixed sampling rate. What should you do?

- A. From the code repository of webapp1, modify the ApplicationInsights.config file.
- B. From the code repository of webapp1, modify the Startup.cs file.
- C. From AppInsights1, modify the Usage and estimated costs settings.
- D. From AppInsights1, configure the Continuous export settings.

**Answer:** B

### NEW QUESTION 364

- (Topic 4)

You have an app named App1 that you release by using Azure Pipelines. App1 has the versions shown in the following table.

You complete a code change to fix a bug that was introduced in version 3.4.3. Which version number should you assign to the release?

- A. 3.4.4
- B. 3.4.8
- C. 3.5.0
- D. 4.0.1

**Answer:** D

NEW QUESTION 369  
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