

Microsoft

Exam Questions AZ-400

Microsoft Azure DevOps Solutions (beta)



NEW QUESTION 1

SIMULATION - (Topic 4)

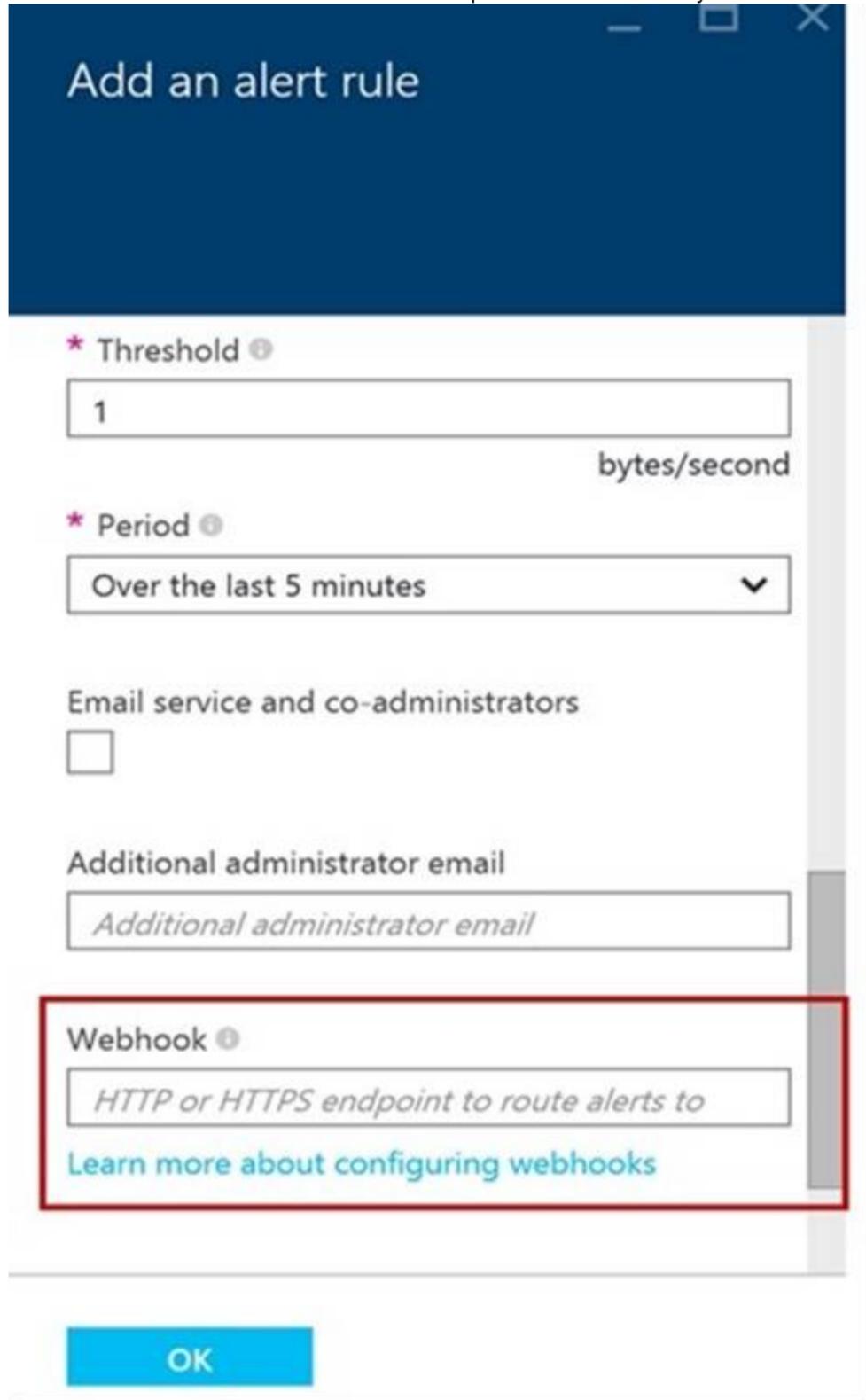
You need to create a notification if the peak average response time of an Azure web app named az400-9940427-main is more than five seconds when evaluated during a five- minute period. The notification must trigger the "https://contoso.com/notify" webhook.
 To complete this task, sign in to the Microsoft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



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

NEW QUESTION 2

- (Topic 4)

Your company has a hybrid cloud between Azure and Azure Stack. The company uses Azure DevOps for its CI/CD pipelines. Some applications are built by using Erlang and Hack. You need to ensure that Erlang and Hack are supported as part of the build strategy across the hybrid cloud. The solution must minimize management overhead. What should you use to execute the build pipeline?

- A. AzureDevOps self-hosted agents on Azure DevTest Labs virtual machines.
- B. AzureDevOps self-hosted agents on virtual machine that run on Azure Stack
- C. AzureDevOps self-hosted agents on Hyper-V virtual machines

D. a Microsoft-hosted agent

Answer: B

Explanation:

Azure Stack offers virtual machines (VMs) as one type of an on-demand, scalable computing resource. You can choose a VM when you need more control over the computing environment.

References: <https://docs.microsoft.com/en-us/azure/azure-stack/user/azure-stack-compute-overview>

NEW QUESTION 3

DRAG DROP - (Topic 4)

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

Which chart widgets should you recommend for each metric? To answer, drag the appropriate chart widgets to the correct metrics. Each chart widget may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Lead time

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

Box 2: Cycle time

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

Box 3: Burndown

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

NEW QUESTION 4

- (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 5

- (Topic 4)

Your company uses Azure DevOps for the build pipelines and deployment pipelines of Java based projects. You need to recommend a strategy for managing technical debt.

Which two actions should you include in the recommendation? Each correct answer presents part of the solution

NOTE: Each correct selection is worth one point.

- A. Integrate Azure DevOps and SonarQube.
- B. Integrates Azure DevelOPs and Azure DevTest Labs.
- C. Configure post-deployment approvals in the deployment pipeline.
- D. Configure pre-deployment approvals in the deployment pipeline.

Answer: AC

NEW QUESTION 6

- (Topic 4)

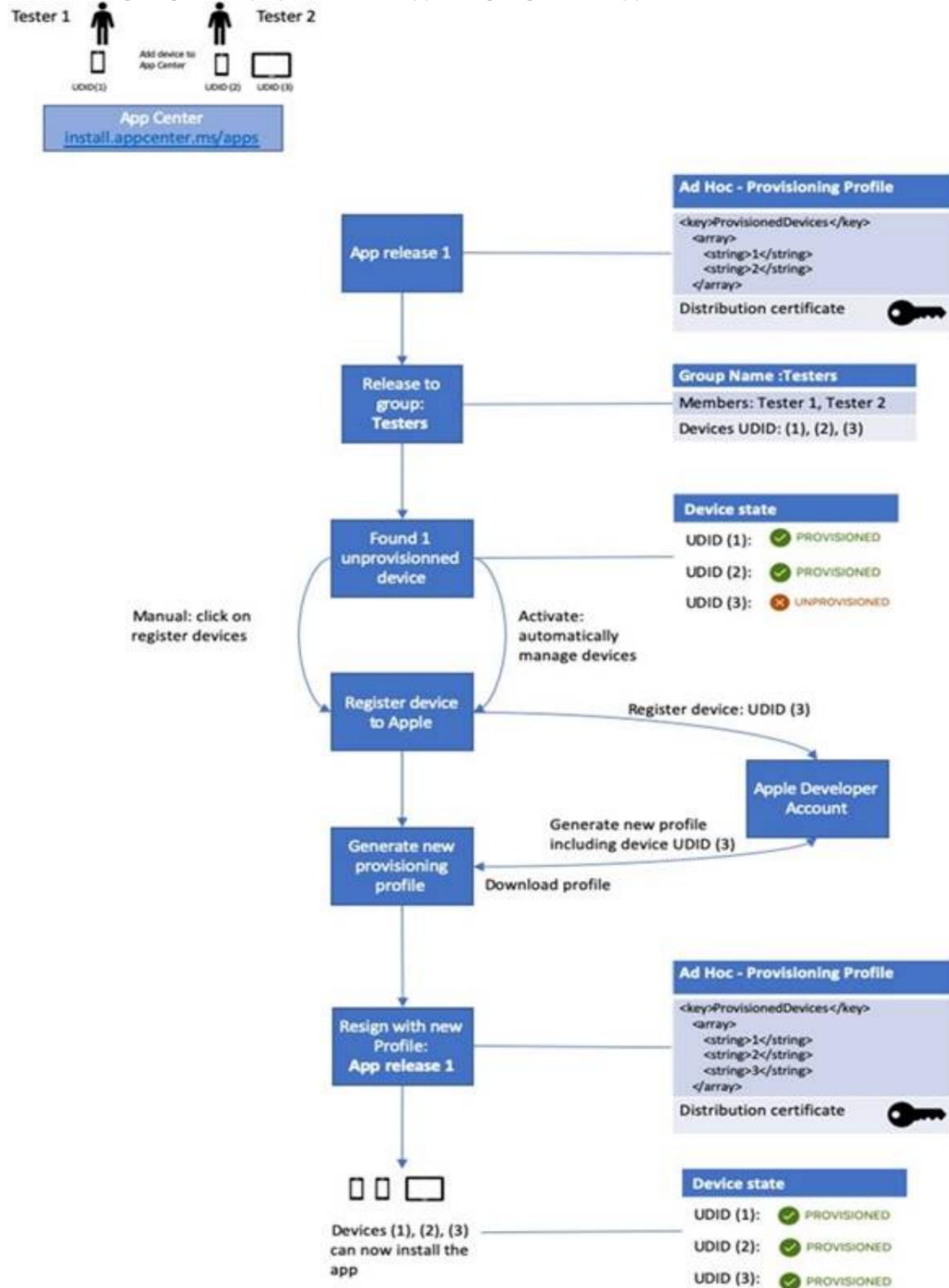
You have a private distribution group that contains provisioned and unprovisioned devices. You need to distribute a new iOS application to the distribution group by using Microsoft Visual Studio App Center. What should you do?

- A. Select Register devices and sign my app.
- B. Generate a new .p12 file for each device.
- C. Create an active subscription in App Center Test.
- D. Add the device owner to the collaborators group.

Answer: A

Explanation:

The following diagram displays the entire app re-signing flow in App Center.



Reference:
<https://docs.microsoft.com/ru-ru/appcenter/distribution/auto-provisioning>

NEW QUESTION 7

SIMULATION - (Topic 4)

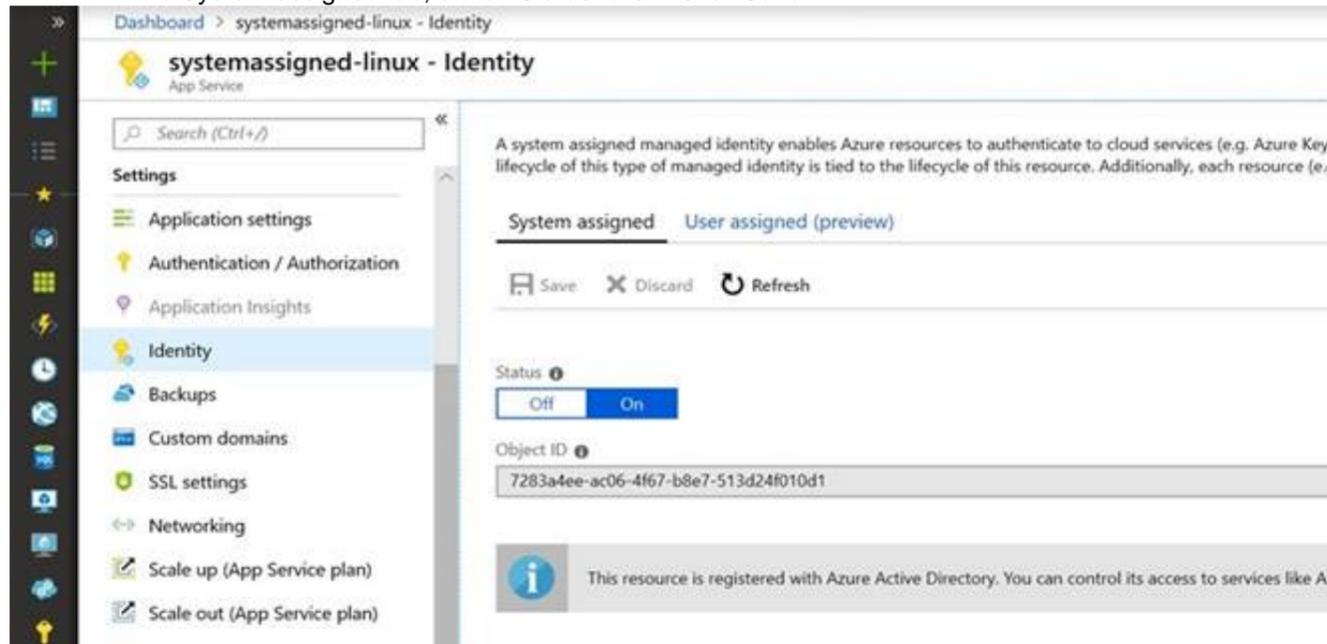
You need to ensure that an Azure web app named az400-9940427-main can retrieve secrets from an Azure key vault named az400-9940427-kv1 by using a system managed identity. The solution must use the principle of least privilege. To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * 1. In Azure portal navigate to the az400-9940427-main app.
- * 2. Scroll down to the Settings group in the left navigation.
- * 3. Select Managed identity.
- * 4. Within the System assigned tab, switch Status to On. Click Save.



References:

<https://docs.microsoft.com/en-us/azure/app-service/overview-managed-identity>

NEW QUESTION 8

- (Topic 4)

Your company uses a Git repository in Azure Repos to manage the source code of a web application. The master branch is protected from direct updates. Developers work on new features in the topic branches.

Because of the high volume of requested features, it is difficult to follow the history of the changes to the master branch.

You need to enforce a pull request merge strategy. The strategy must meet the following requirements:

- Consolidate commit histories
- Merge tie changes into a tingle commit

Which merge strategy should you use in the branch policy?

- A. Git fetch
- B. no-fast-forward merge
- C. squash merge
- D. fast-forward merge

Answer: C

Explanation:

Squash merging is a merge option that allows you to condense the Git history of topic branches when you complete a pull request. Instead of each commit on the topic branch being added to the history of the default branch, a squash merge takes all the file changes and adds them to a single new commit on the default branch.

A simple way to think about this is that squash merge gives you just the file changes, and a regular merge gives you the file changes and the commit history.

Note: Squash merging keeps your default branch histories clean and easy to follow without demanding any workflow changes on your team. Contributors to the topic branch work how they want in the topic branch, and the default branches keep a linear history through the use of squash merges. The commit history of a master branch updated with squash merges will have one commit for each merged branch. You can step through this history commit by commit to find out exactly when work was done.

References: <https://docs.microsoft.com/en-us/azure/devops/repos/git/merging-with-squash>

NEW QUESTION 9

DRAG DROP - (Topic 4)

You use Get for source control.

You delete a file, commit the changes, and continue to work. You need to recover the deleted file.

Which three commands should you run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

Commands

- git restore path/to/file
- git log
- git commit -m 'undeleated the file'
- git checkout [hash]-1 -- path/to/file
- git stash
- git tag

Answer Area

➤

⬅

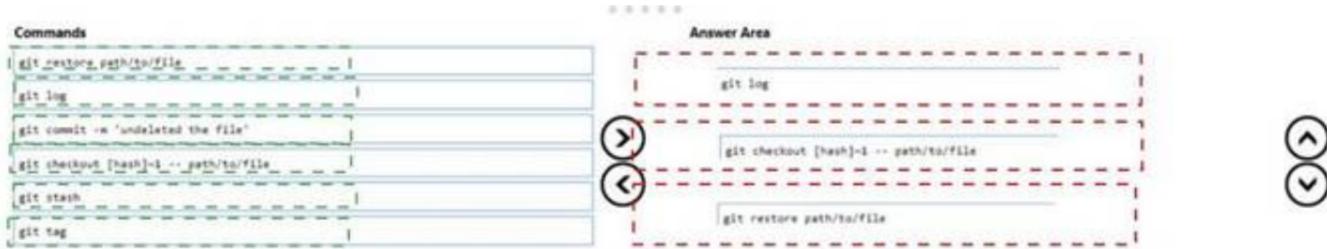
⬆

⬇

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



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 company has a prefect 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 Triggers tab of the build pipeline, you selected Batch changes while a build is in progress

Does this meet the goal?

- A. Yes
- B. No

Answer: B

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.

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

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

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

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

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

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

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

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

NEW QUESTION 11

- (Topic 4)

You have a project in Azure DevOps named Project that contains a Kanban board named Board1.

You create a Microsoft Teams channel and add the Azure Boards app to the channel. You need to ensure that users can create work items in Board1 from Microsoft Teams. Which command should you run?

- A. @azure boards sign in
- B. @azure boards link
- C. @azure boards create
- D. @azure boards subscriptions

Answer: B

NEW QUESTION 16

- (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 m Azure DevOps named Project 1. Project! 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 18

- (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 plan to update the Azure DevOps strategy of your company.

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

- ? Licensing violations
- ? Prohibited libraries

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

- A. Yes
- B. No

Answer: A

Explanation:

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

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

NEW QUESTION 20

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
an Azure Key Vault access policy	Restrict access to delete the key vault: <input type="text"/>
a personal access token (PAT)	Restrict access to the secrets in Key Vault by using: <input type="text"/>
RBAC	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 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.

Box 2: RBAC

References:

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

NEW QUESTION 22

- (Topic 4)

You administer an Azure DevOps project that includes package feeds.

You need to ensure that developers can unlist and deprecate packages. The solution must use the principle of least privilege.

Which access level should you grant to the developers?

- A. Collaborator
- B. Contributor
- C. Owner

Answer: B

Explanation:

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

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

Reference:
<https://docs.microsoft.com/en-us/azure/devops/artifacts/feeds/feed-permissions>

NEW QUESTION 23

DRAG DROP - (Topic 4)

You need to recommend a solution for deploying charts by using Helm and Tiller to Azure Kubernetes Service (AKS) in an RBAC-enabled cluster. Which three commands should you recommend be run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

Commands

Answer Area

- helm install
- kubectl create
- helm completion
- helm init
- helm serve



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Kubectl create

You can add a service account to Tiller using the --service-account <NAME> flag while you're configuring Helm (step 2 below). As a prerequisite, you'll have to create a role binding which specifies a role and a service account name that have been set up in advance.

Example: Service account with cluster-admin role

```
$ kubectl create -f rbac-config.yaml serviceaccount "tiller" created clusterrolebinding "tiller" created
```

```
$ helm init --service-account tiller
```

Step 2: helm init

To deploy a basic Tiller into an AKS cluster, use the helm init command.

Step 3: helm install

To install charts with Helm, use the helm install command and specify the name of the chart to install.

References:

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-helm> https://docs.helm.sh/using_helm/#tiller-namespaces-and-rbac

NEW QUESTION 26

- (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 30

- (Topic 4)

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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 34

- (Topic 4)

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You plan to update the Azure DevOps strategy of your company.

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

? Licensing violations

? Prohibited libraries

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

- A. Yes
- B. No

Answer: B

Explanation:

Instead 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/vstsexend/whitesource/>

NEW QUESTION 36

DRAG DROP - (Topic 4)

You are creating a NuGet package.

You plan to distribute the package to your development team privately.

You need to share the package and test that the package can be consumed.

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

Answer Area

Create a new Azure Artifacts feed.

Configure a self-hosted agent.

Publish a package.

Install a package.

Connect to an Azure Artifacts feed.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Configure a self-hosted agent.

The build will run on a Microsoft hosted agent.

Step 2: Create a new Azure Artifacts feed

Microsoft offers an official extension for publishing and managing your private NuGet feeds.

Step 3: Publish the package.

Publish, pack and push the built project to your NuGet feed.

Step 4: Connect to an Azure Artifacts feed.

With the package now available, you can point Visual Studio to the feed, and download the newly published package

References:

<https://medium.com/@dan.cokely/creating-nuget-packages-in-azure-devops-with-azure-pipelines-and-yaml-d6fa30f0f15e>

NEW QUESTION 38

- (Topic 4)

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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 42

HOTSPOT - (Topic 4)

You have a project Azure DevOps.

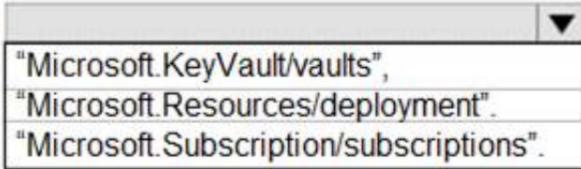
You plan to create a build pipeline that will deploy resources by using Azure Resource Manager templates. The templates will reference secretes stored in Azure Key Vault.

You need to ensure that you can dynamically generate the resource ID of the key vault during template deployment.

What should you include in the template? To answer, select eh appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```

"resources": [
{
  "apiversion": "2018-05-01",
  "name" : "secrets",
  "type": 
  "properties": {
    "mode" : "Incremental",
     : {
      "deployment"
      "template"
      "templateLink"
    }
  }
},
contentVersion : "1.0.0.0",
  "uri" : "[uri(parameters('_artifactsLocation'),
concat('./nested/sqlserver.json',
parameters('_artifactsLocationSasToken')))]"
},
"parameters": {
  "secret": {
    "reference": {
      "keyVault": {
        "id": "[resourceId(parameters('vaultSubscription'),
parameters('vaultResourceGroupName'),
'Microsoft.KeyVault/vaults',
parameters('vaultName'))]"
      },
      "secretName": "[parameters('secretName')]"
    }
  }
}
],

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```

"resources": [
  {
    "apiversion": "2018-05-01",
    "name": "secrets",
    "type": [
      "Microsoft.KeyVault/vaults",
      "Microsoft.Resources/deployment",
      "Microsoft.Subscription/subscriptions"
    ],
    "properties": {
      "mode": "Incremental",
      "templateLink": {
        "deployment": "deployment",
        "template": "template",
        "templateLink": "templateLink"
      }
    },
    "contentVersion": "1.0.0.0",
    "uri": "[uri(parameters('_artifactsLocation'),
concat('./nested/sqlserver.json',
parameters('_artifactsLocationSasToken')))]"
  },
  "parameters": {
    "secret": {
      "reference": {
        "keyVault": {
          "id": "[resourceId(parameters('vaultSubscription'),
parameters('vaultResourceGroupName'),
'Microsoft.KeyVault/vaults',
parameters('vaultName'))]"
        },
        "secretName": "[parameters('secretName')]"
      }
    }
  }
],

```

NEW QUESTION 47

- (Topic 4)

You have a project in Azure DevOps named Project1. Project1 contains a published wiki. You need to change the order of pages in the navigation pane of the published wiki in the Azure DevOps portal. What should you do?

- A. At the root of the wiki, create a file named order that defines the page hierarchy.
- B. At the root of the wiki, create a file named wiki.md that defines the page hierarchy.
- C. Rename the pages in the navigation pane.
- D. Drag and drop the pages in the navigation pane.

Answer: D

Explanation:

Reorder a wiki page

You can reorder pages within the wiki tree view to have pages appear in the order and hierarchy you want. You can drag-and-drop a page title in the tree view to do the following operations:

Change the parent-child relationship of a page Change the order of the page within the hierarchy Reference:

<https://docs.microsoft.com/en-us/azure/devops/project/wiki/add-edit-wiki>

NEW QUESTION 48

- (Topic 4)

You need to execute inline testing of an Azure DevOps pipeline that uses a Docker deployment model. The solution must prevent the results from being published to the pipeline.

What should you use for the inline testing?

- A. a single stage Dockerfile
- B. an Azure Kubernetes Service (AKS) pod
- C. a multi-stage Dockerfile
- D. a Docker Compose file

Answer: D

Explanation:

"Build and test with a multi-stage Dockerfile: build and tests execute inside the container using a multi-stage Docker file, as such test results are not published back to the pipeline." <https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/test/publish-test-results?view=azure-devops&tabs=trx%2Cyaml>

NEW QUESTION 50

- (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 53

- (Topic 4)

Your company uses Azure Artifacts for package management.

You need to configure an upstream source in Azure Artifacts for Python packages. Which repository type should you use as an upstream source?

- A. PyPI
- B. npmjs.org
- C. Maven Central
- D. third-party trusted Python

Answer: A

Explanation:

Get started with Python packages in Azure Artifacts Create a feed

? Select Artifacts (in the left navigation of your Azure DevOps project).

? On the Artifacts page, select Create Feed.

? In the Create new feed dialog box:

? In the Name field, give the feed a name.

PyPI is the default repository name for twine, which is a tool for publishing Python packages. Reference:

<https://docs.microsoft.com/en-us/azure/devops/artifacts/quickstarts/python-packages>

NEW QUESTION 57

- (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 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 58

- (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

? Pro Vance

? 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 63

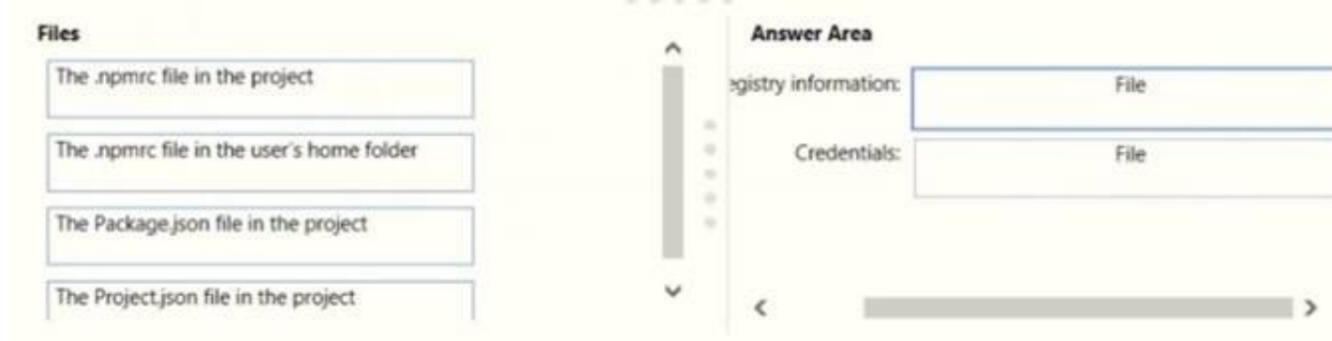
DRAG DROP - (Topic 4)

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 65

FILL IN THE BLANK - (Topic 4)

You have a GitHub repository that contains the source code for an app.

You need to identify all the changes made between versions 1.4.16 and 1.6.12 of the source code.

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 | helper-script > changes.txt

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer below

get diff v1.4.16 v1.6.12 | helper-script > changes.txt

This command will compare the changes made between versions 1.4.16 and 1.6.12 of the source code in your GitHub repository, pipe the output through the helper-script and save the result to a file called "changes.txt" Please note that, this command assumes that you have a helper-script that can handle get diff output as an input and processes it further. It is not a default get command.

NEW QUESTION 66

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

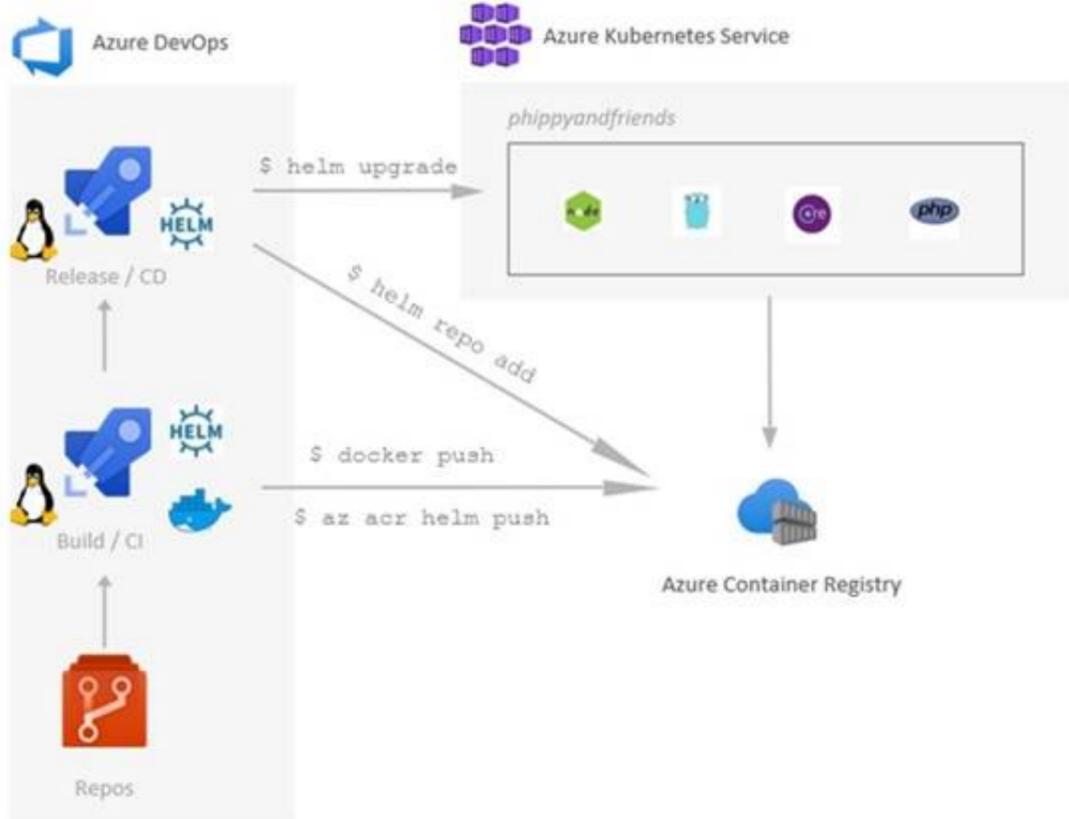
Explanation:

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 68

- (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 70

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 73

- (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 all the open source libraries comply with your company's licensing standards.

Which service should you use?

- A. NuGet
- B. Maven
- C. Black Duck
- D. Helm

Answer: C

Explanation:

Secure and Manage Open Source Software

Black Duck helps organizations identify and mitigate open source security, license compliance and code-quality risks across application and container portfolios.

Black Duck Hub and its plugin for Team Foundation Server (TFS) allows you to automatically find and fix open source security vulnerabilities during the build process, so you can proactively manage risk. The integration allows you to receive alerts and fail builds when any Black Duck Hub policy violations are met.

Note: WhiteSource would also be a good answer, but it is not an option here. Reference:

<https://marketplace.visualstudio.com/items?itemName=black-duck-software.hub-tfs>

NEW QUESTION 74

HOTSPOT - (Topic 4)

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

Create test

^ Basic Information

* Test name
 ✓

[Learn more about configuring tests against applications hosted behind a firewall](#)

Test type
 ▼

* URL ⓘ
 ✓

Parse dependent requests ⓘ

Enable retries for availability test failures. ⓘ

Test frequency ⓘ
 ▼

✓ Test locations
 4 location(s) configured

^ Success criteria

Test Timeout ⓘ
 ▼

HTTP response ⓘ

Status code must equal

Content match ⓘ

Content must contain

✓ Alerts
 Enabled

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
 NOTE: Each correct selection is worth one point.

The test will execute **[answer choice]**.
 ▼

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

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: every five minutes at a random location

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

Box 2:

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

NEW QUESTION 79

DRAG DROP - (Topic 4)

Your company plans to deploy an application to the following endpoints:

? Ten virtual machines hosted in Azure

? Ten virtual machines hosted in an on-premises data center environment

All the virtual machines have the Azure Pipelines agent.

You need to implement a release strategy for deploying the application to the endpoints. What should you recommend using to deploy the application to the endpoints? To answer,

drag the appropriate components to the correct endpoints. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Components	Answer Area
A deployment group	
A management group	Ten virtual machines hosted in Azure: <input style="width: 150px; height: 20px;" type="text"/>
A resource group	Ten virtual machines hosted in an on-premises data center environment: <input style="width: 150px; height: 20px;" type="text"/>
Application roles	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: A deployment group

When authoring an Azure Pipelines or TFS Release pipeline, you can specify the deployment targets for a job using a deployment group.

If the target machines are Azure VMs, you can quickly and easily prepare them by installing the Azure Pipelines Agent Azure VM extension on each of the VMs, or by using the Azure Resource Group Deployment task in your release pipeline to create a deployment group dynamically.

Box 2: A deployment group

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

NEW QUESTION 81

SIMULATION - (Topic 4)

You need to create a virtual machine template in an Azure DevTest Labs environment

named az400-9940427-dtl1. The template must be based on Windows Server 2016 Datacenter. Virtual machines created from the template must include the selenium tool and the Google Chrome browser.

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

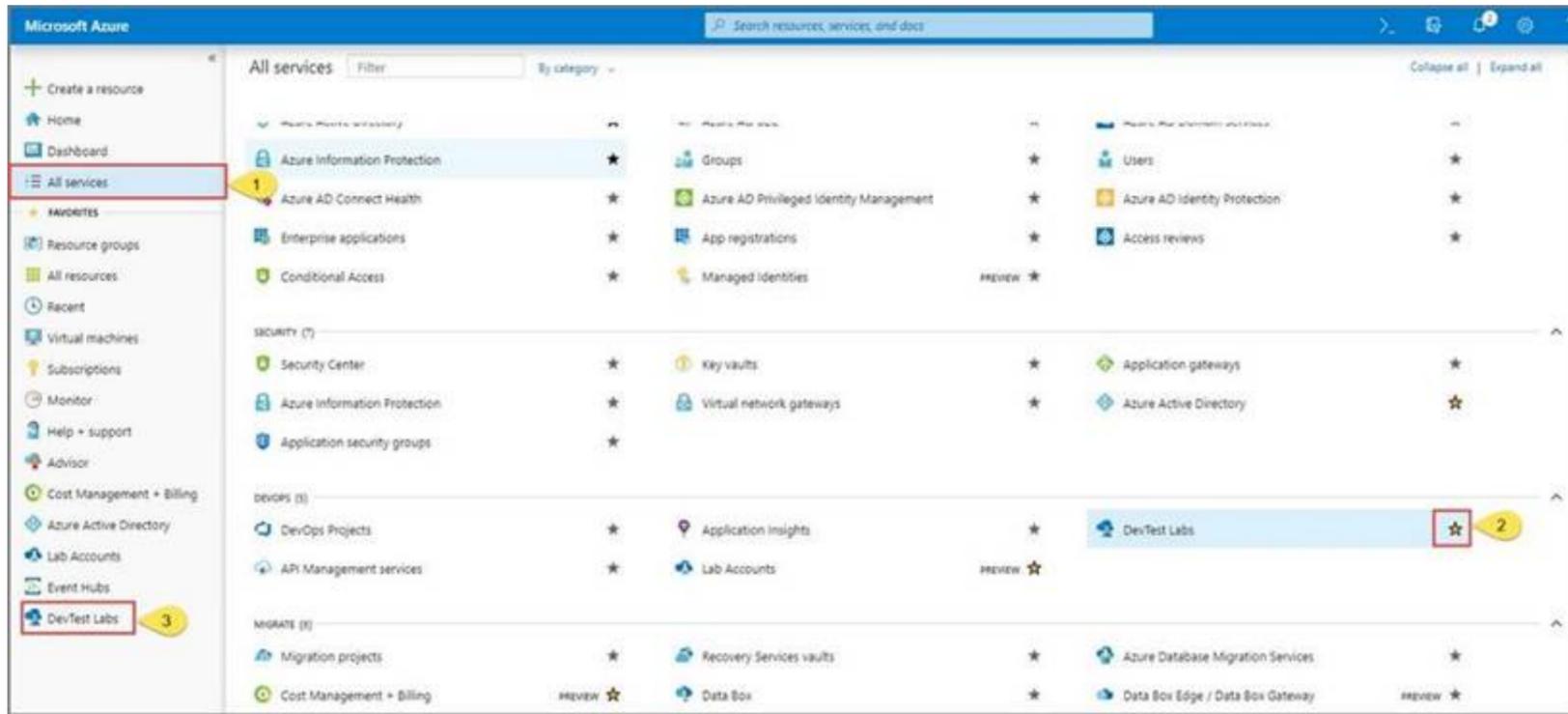
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* 1. Open Microsoft Azure Portal

* 2. Select All Services, and then select DevTest Labs in the DEVOPS section.



- * 3. From the list of labs, select the az400-9940427-dtl1 lab
- * 4. On the home page for your lab, select + Add on the toolbar.
- * 5. Select the Windows Server 2016 Datacenter base image for the VM.
- * 6. Select automation options at the bottom of the page above the Submit button.
- * 7. You see the Azure Resource Manager template for creating the virtual machine.
- * 8. The JSON segment in the resources section has the definition for the image type you selected earlier.

References:

<https://docs.microsoft.com/bs-cyrl-ba/azure//lab-services/devtest-lab-vm-powershell>

NEW QUESTION 86

DRAG DROP - (Topic 4)

You are 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 build 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	Answer Area
Hosted Windows Container	
Hosted Ubuntu 1604	
Hosted macOS	An application that runs on iOS: <input style="width: 150px; height: 20px;" type="text"/>
Hosted	An Internet Information Services (IIS) web application that runs in Docker: <input style="width: 150px; height: 20px;" type="text"/>
Default	

- 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 91

- (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 92

- (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 96

- (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 97

- (Topic 4)

You are developing an application. The application source has multiple branches. You make several changes to a branch used for experimentation.

You need to update the main branch to capture the changes made to the experimentation branch and override the history of the Git repository.

Which Git option should you use?

A. Rebase

B. Fetch

C. MergeE1457D5D1DDCBD40AB3BF70D5D

D. Push

Answer: C

Explanation:

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

NEW QUESTION 102

- (Topic 4)

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

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

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

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

Does this meet the goal?

A. Yes

B. No

Answer: B

Explanation:

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

? work items

? code reviews

? pull requests

? source control files

? builds

Reference:

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

NEW QUESTION 103

- (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 #A8456, #A8457, #A8458`

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 104

DRAG DROP - (Topic 4)

You have web app named App1 that uses Application Insights in Azure Monitor to Store log data. App1 has users in multiple locations.
 You need to query App1 requests from London and Paris that return error. The solution must meet the following requirements:
 ? Return the timestamp, url, result Code, and duration fields.
 ? Only requests made the last hour. How should you complete the query?

Values	Answer Area
<input type="text" value="extend"/>	<pre> ... requests where <input type="text" value=""/> where resultCode == "404" and (client_City == "London" or client_City == "Paris") <input type="text" value=""/> timestamp, url, resultCode, duration ... </pre>
<input type="text" value="project"/>	
<input type="text" value="select"/>	
<input type="text" value="timestamp >= ago(1hr)"/>	
<input type="text" value="timestamp -gt ago(1hr)"/>	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values	Answer Area
<input type="text" value="extend"/>	<pre> ... requests where <input type="text" value="timestamp -gt ago(1hr)"/> where resultCode == "404" and (client_City == "London" or client_City == "Paris") <input type="text" value="select"/> timestamp, url, resultCode, duration ... </pre>
<input type="text" value="project"/>	
<input type="text" value="select"/>	
<input type="text" value="timestamp >= ago(1hr)"/>	
<input type="text" value="timestamp -gt ago(1hr)"/>	

NEW QUESTION 107

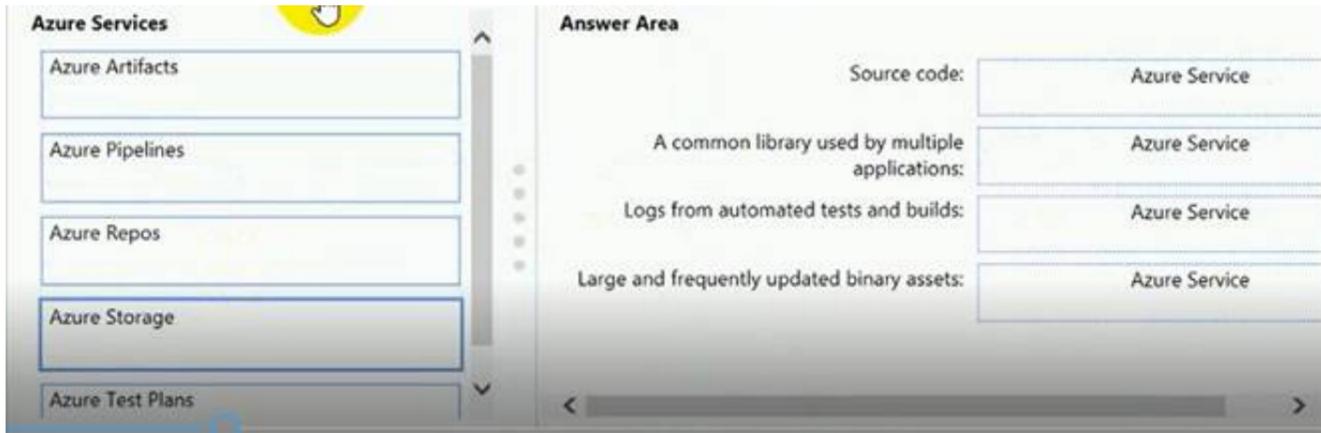
DRAG DROP - (Topic 4)

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 110

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 113

- (Topic 4)

You have an Azure DevOps organization named Contoso, an Azure DevOps project named Project1, an Azure subscription named Sub1, and an Azure key vault named vault1.

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

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

Answer: A

Explanation:

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

References:

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

NEW QUESTION 114

- (Topic 4)

You are building an ASP.NET Core application.

You plan to create an application utilization baseline by capturing telemetry data.

You need to add code to the application to capture the telemetry data. The solution must minimize the costs of storing the telemetry data.

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

- A. Add the <InitialSamplingPercentage>99</InitialSamplingPercentage> parameter to the ApplicationInsights.config file.
- B. From the code of the application, enable adaptive sampling.
- C. From the code of the application, add Azure Application Insights telemetry.
- D. Add the <MaxTelemetryItemsPerSecond>5</MaxTelemetryItemsPerSecond> parameter to the ApplicationInsights.config file.
- E. From the code of the application, disable adaptive sampling.

Answer: CE

Explanation:

"Fixed-rate sampling reduces the volume of telemetry sent from both your ASP.NET or ASP.NET Core or Java server and from your users' browsers. You set the rate. The client and server will synchronize their sampling so that, in Search, you can navigate between related page views and requests."

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

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/asp-net-core> <https://docs.microsoft.com/en-us/azure/azure-monitor/app/sampling#configuring-adaptive-sampling-for-aspnet-core-applications>

NEW QUESTION 119

- (Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

You use a Git repository for applications source control.

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

Solution: You implement a pull request strategy that uses fast-forward merges. Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

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 121

- (Topic 4)

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

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

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

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

Answer: A

Explanation:

Azure Platform as a Service (PaaS) resources, like Azure SQL and Web Sites (Web Apps), can emit performance metrics data natively to Log Analytics. The Premium plan will retain up to 12 months of data, giving you an excellent baseline ability.

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

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

NEW QUESTION 122

- (Topic 3)

You need to merge the POC branch into the default branch. The solution must meet the technical requirements. Which command should you run?

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

Answer: C

NEW QUESTION 124

DRAG DROP - (Topic 3)

You need to configure authentication for App1. The solution must support the planned changes.

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

Actions Commands Cmdlets Statements

Answer Area

- Create an app.
- Add a secret.
- Create a credential.
- Configure the ID and secret for App1.
- Create a managed service identity.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Woodgrove Bank plans to implement the following changes to the identity environment:
 ? Configure App1 to use a service principal.

NEW QUESTION 127

- (Topic 3)

You need to meet the technical requirements for monitoring App1. What should you use?

- A. Splunk
- B. Azure Application Insights
- C. Azure Advisor
- D. App Service logs

Answer: B

NEW QUESTION 128

- (Topic 3)

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

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

Answer: A

Explanation:

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

? Migrate all the source code from TFS1 to GitHub.

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

Reference:

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

NEW QUESTION 129

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 133

- (Topic 2)

You add the virtual machines as managed nodes in Azure Automation State Configuration. You need to configure the computer in Group7. What should you do?

- A. Run the Register-AzureRmAutomationDscNode Azure Powershell cmdlet.
- B. Modify the ConfigurationMode property of the Local Configuration Manager (LCM).
- C. Install PowerShell Core.
- D. Modify the RefreshMode property of the Local Configuration Manager (LCM).

Answer: A

Explanation:

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

Scenario: The Azure DevOps organization includes: The Docker extension

A deployment pool named Pool7 that contains 10 Azure virtual machines that run Windows Server 2016

Project 7	Project7 will contain a target deployment group named Group7 that maps to Pool7. Project7 will use Azure Automation State Configuration to maintain the desired state of the computers in Group7.
-----------	---

References: <https://docs.microsoft.com/en-us/powershell/module/azurermsautomation/register-azurermsautomationdscnode>

NEW QUESTION 136

DRAG DROP - (Topic 2)

You need to recommend a procedure to implement the build agent for Project1.

Which three actions should you recommend be performed 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
Sign in to Azure DevOps by using an account that is assigned the Administrator service connection security role.	
Install the Azure Pipelines agent on on-premises virtual machine.	
Create a personal access token in the Azure DevOps organization of Contoso.	
Install and register the Azure Pipelines agent on an Azure virtual machine.	
Sign in to Azure DevOps by using an account that is assigned the agent pool administrator role.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Scenario:

Project 1	Project1 will provide support for incremental builds and third-party SDK components
-----------	---

Step 1: Sign in to Azure Develops by using an account that is assigned the Administrator service connection security role.

Note: Under Agent Phase, click Deploy Service Fabric Application. Click Docker Settings and then click Configure Docker settings. In Registry Credentials Source, select Azure Resource Manager Service Connection. Then select your Azure subscription.

Step 2: Create a personal access token..

A personal access token or PAT is required so that a machine can join the pool created with the Agent Pools (read, manage) scope.

Step 3: Install and register the Azure Pipelines agent on an Azure virtual machine.

By running a Azure Pipeline agent in the cluster, we make it possible to test any service, regardless of type.

References:

<https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-tutorial-deploy-container-app-with-cicd-vsts>

<https://mohitgoyal.co/2019/01/10/run-azure-devops-private-agents-in-kubernetes-clusters/>

NEW QUESTION 137

DRAG DROP - (Topic 2)

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

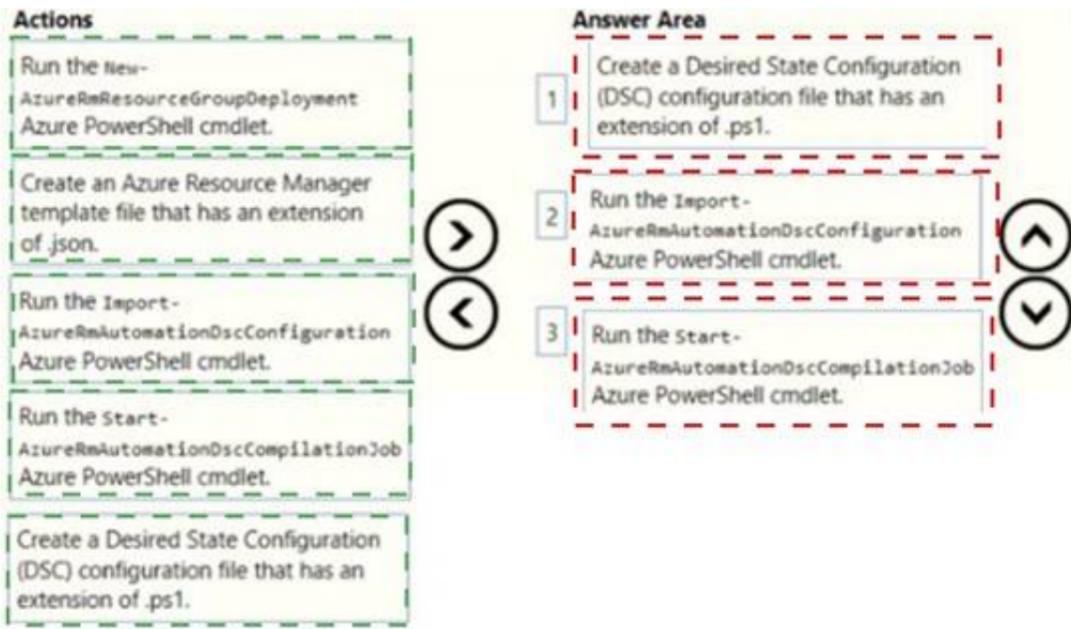
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Run the new-AzureRmResourceGroupDeployment Azure PowerShell cmdlet.	1
Create an Azure Resource Manager template file that has an extension of .json.	2
Run the Import-AzureRmAutomationDscConfiguration Azure PowerShell cmdlet.	3
Run the start-AzureRmAutomationDscCompilationJob Azure PowerShell cmdlet.	
Create a Desired State Configuration (DSC) configuration file that has an extension of .ps1.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 141

- (Topic 1)

You have a project in Azure DevOps.

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

presents part of the solution.

NOTE: Each correct selection is worth one point.

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

Answer: CE

Explanation:

Unattended config:

The agent can be set up from a script with no human intervention. You must pass -- unattended and the answers to all questions.

To configure an agent, it must know the URL to your organization or collection and credentials of someone authorized to set up agents. All other responses are optional. Reference:

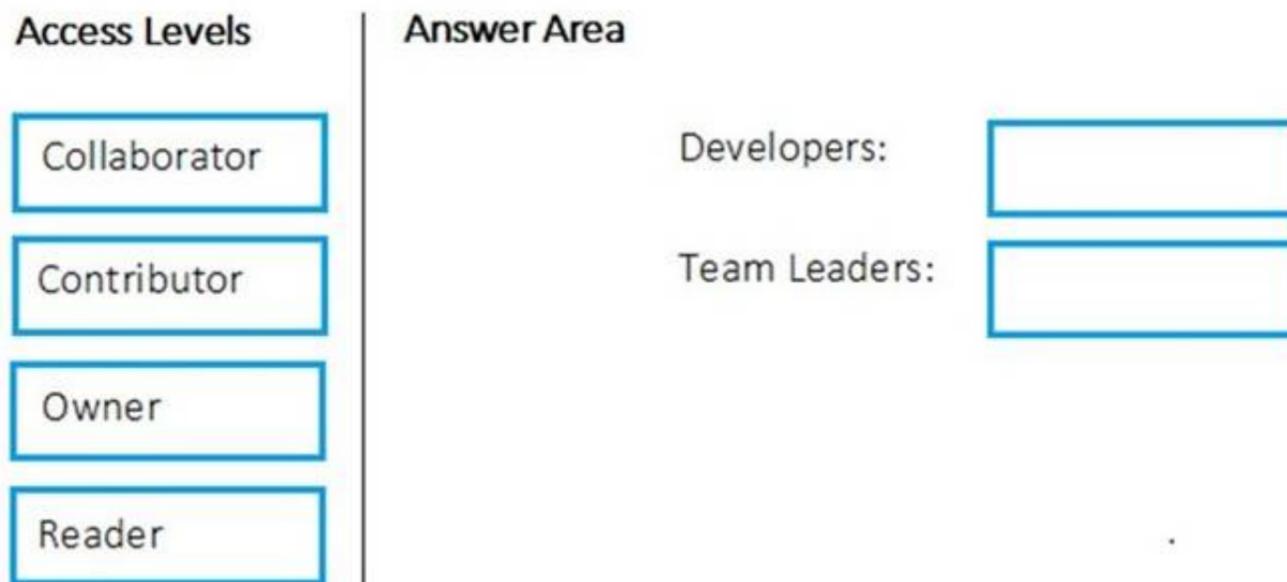
<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/v2-windows>

NEW QUESTION 145

DRAG DROP - (Topic 1)

Which package feed access levels should be assigned to the Developers and Team Leaders groups for the investment planning applications suite? To answer, drag the appropriate access levels to the correct groups. Each access level may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Reader

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

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

Box 2: Owner

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

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

NEW QUESTION 148

- (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 153

- (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 AppInsights1. 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 156

- (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 158

- (Topic 4)

Your company uses GitHub for source control. The company has a team that performs code reviews.

You need to automate the assignment of the code reviews. The solution must meet the following requirements:

Prioritize the assignment of code reviews to team members who have the fewest outstanding assignments.

Ensure that each team member performs an equal number of code reviews in any 30-day period.

Prevent the assignment of code reviews to the team leader.

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

- A. Clear Never assign certain team members.
- B. Select If assigning team members, don't notify the entire team.
- C. Select Never assign certain team members.
- D. Set Routing algorithm to Round robin.
- E. Set Routing algorithm to Load balance.

Answer: AE

Explanation:

A: To always skip certain members of the team, select Never assign certain team members. Then, select one or more team members you'd like to always skip. In this case select the team leader.

E: The load balance algorithm chooses reviewers based on each member's total number of recent review requests and considers the number of outstanding reviews for each member. The load balance algorithm tries to ensure that each team member reviews an equal number of pull requests in any 30day period.

Reference:

<https://docs.github.com/en/organizations/organizing-members-into-teams/managing-code-review-assignment-for-your-team>

NEW QUESTION 163

HOTSPOT - (Topic 4)

You use Get for source control.

You need to optimize the performance of a repository. The solution must meet the following requirements:

? Permanently remove all items referenced only in the ref log.

? Remove history that is NOT in any current branch.

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



The screenshot shows a terminal window with the following text:

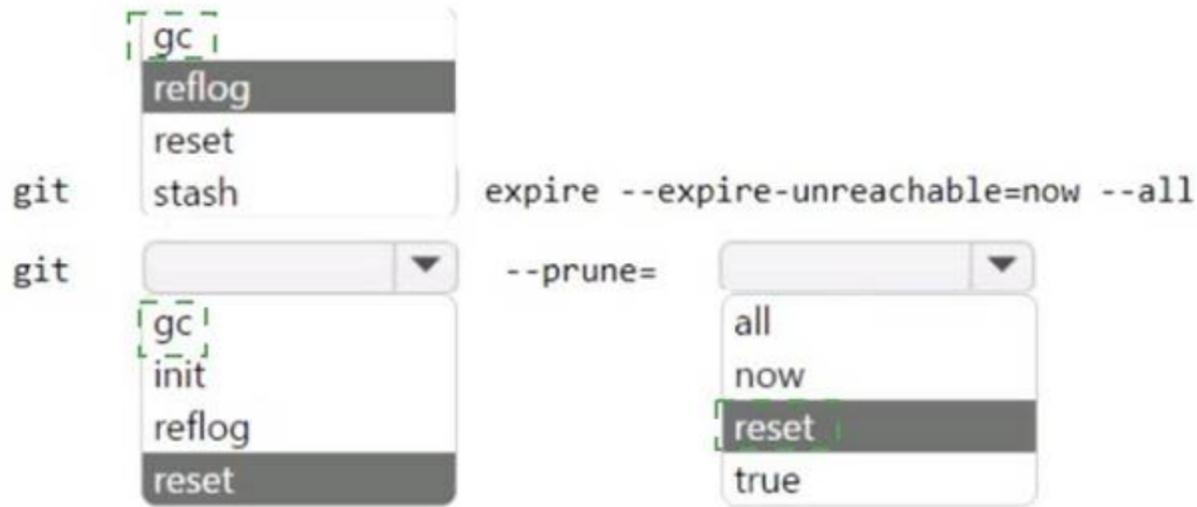
```
git gc
git gc reflog expire --expire-unreachable=now --all
git gc reflog expire --expire-unreachable=now --all --prune=
```

Below the command, there are two dropdown menus. The first dropdown menu contains the following options: gc, reflog, reset, stash. The second dropdown menu contains the following options: all, now, reset, true. The 'reset' option in the second dropdown menu is highlighted.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 164

- (Topic 4)

You have a build pipeline in Azure Pipelines that occasionally fails.

You discover that a test measuring the response time of an API endpoint causes the failures.

You need to prevent the build pipeline from failing due to The test.

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

- A. Enable Test Impact Analysis (TIA).
- B. Enable test slicing.
- C. Clear Flaky tests included in test pass percentage
- D. Set Flaky test detection to Off
- E. Manually mark the test as flaky.

Answer: CE

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/test/flaky-test-management>

NEW QUESTION 169

- (Topic 4)

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

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

Answer: D

NEW QUESTION 170

HOTSPOT - (Topic 4)

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

You have the following DSC configuration.

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

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

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

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

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
 NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

No "DependsOn" are defined. No "Mode" is Apply and Monitor.
 Yes "Configuration Mode FreqMin : 60"

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

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

NEW QUESTION 175

- (Topic 4)

You have a project in Azure DevOps named Project1. Project1 contains a build pipeline named Pipe1 that builds an application named App1. You have an agent pool named Pool1 that contains a Windows Server 2019-based self-hosted agent. Pipe1 uses Pool1. You plan to implement another project named Project2. Project2 will have a build pipeline named Pipe2 that builds an application named App2. App1 and App2 have conflicting dependencies. You need to minimize the possibility that the two build pipelines will conflict with each other. The solution must minimize infrastructure costs. What should you do?

- A. Create two container jobs.
- B. Change the self-hosted agent to use Red Hat Enterprise Linux (RHEL) 9.
- C. Add another self-hosted agent

D. Add a Docker Compose task to the build pipelines.

Answer: A

NEW QUESTION 177

- (Topic 4)

You have a web app hosted on Azure App Service. The web app stores data in an Azure SQL database. You need to generate an alert when there are 10,000 simultaneous connections to the database. The solution must minimize development effort. Which option should you select in the Diagnostics settings of the database?

- A. Send to Log Analytics
- B. Stream to an event hub
- C. Archive to a storage account

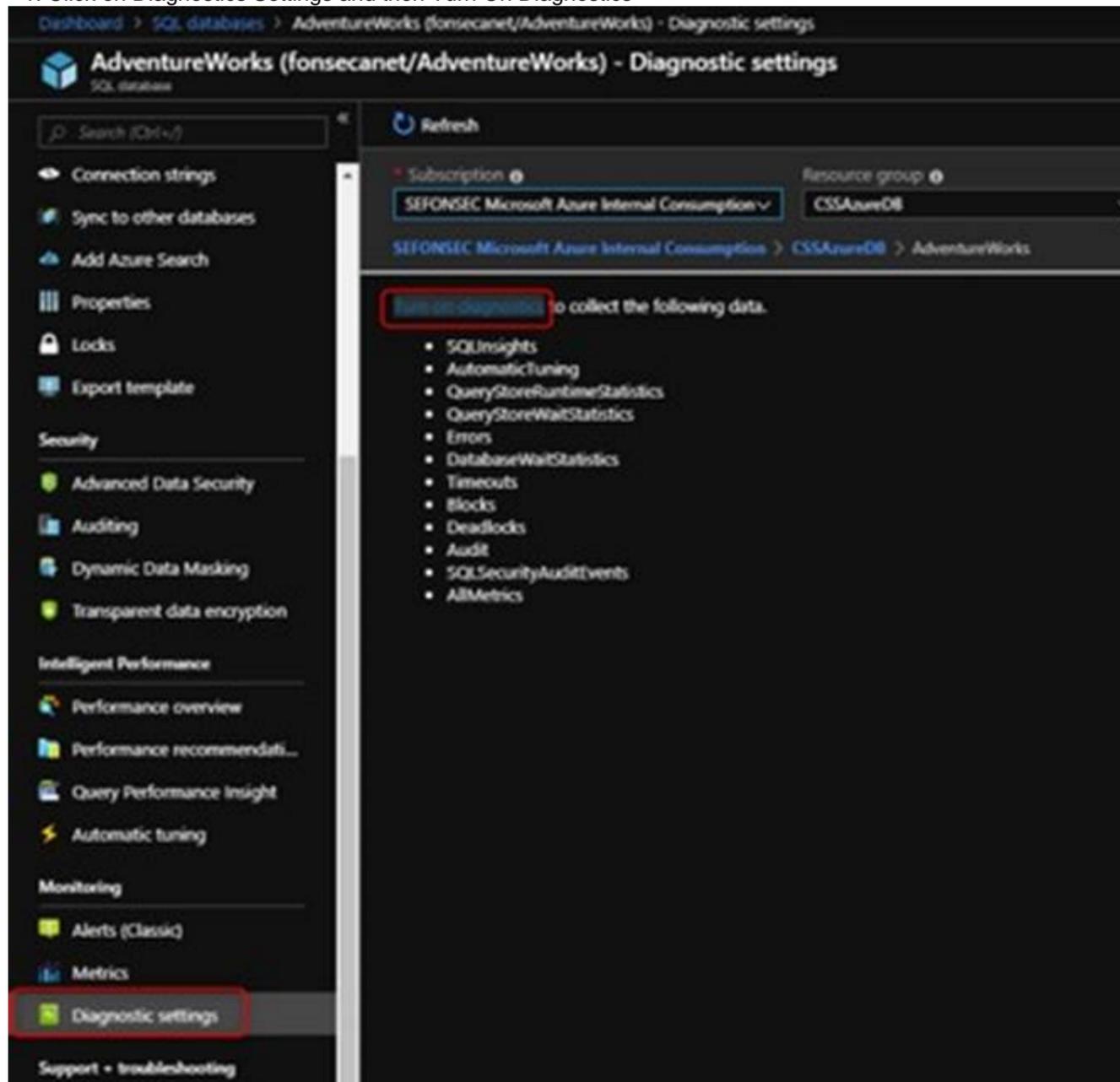
Answer: A

Explanation:

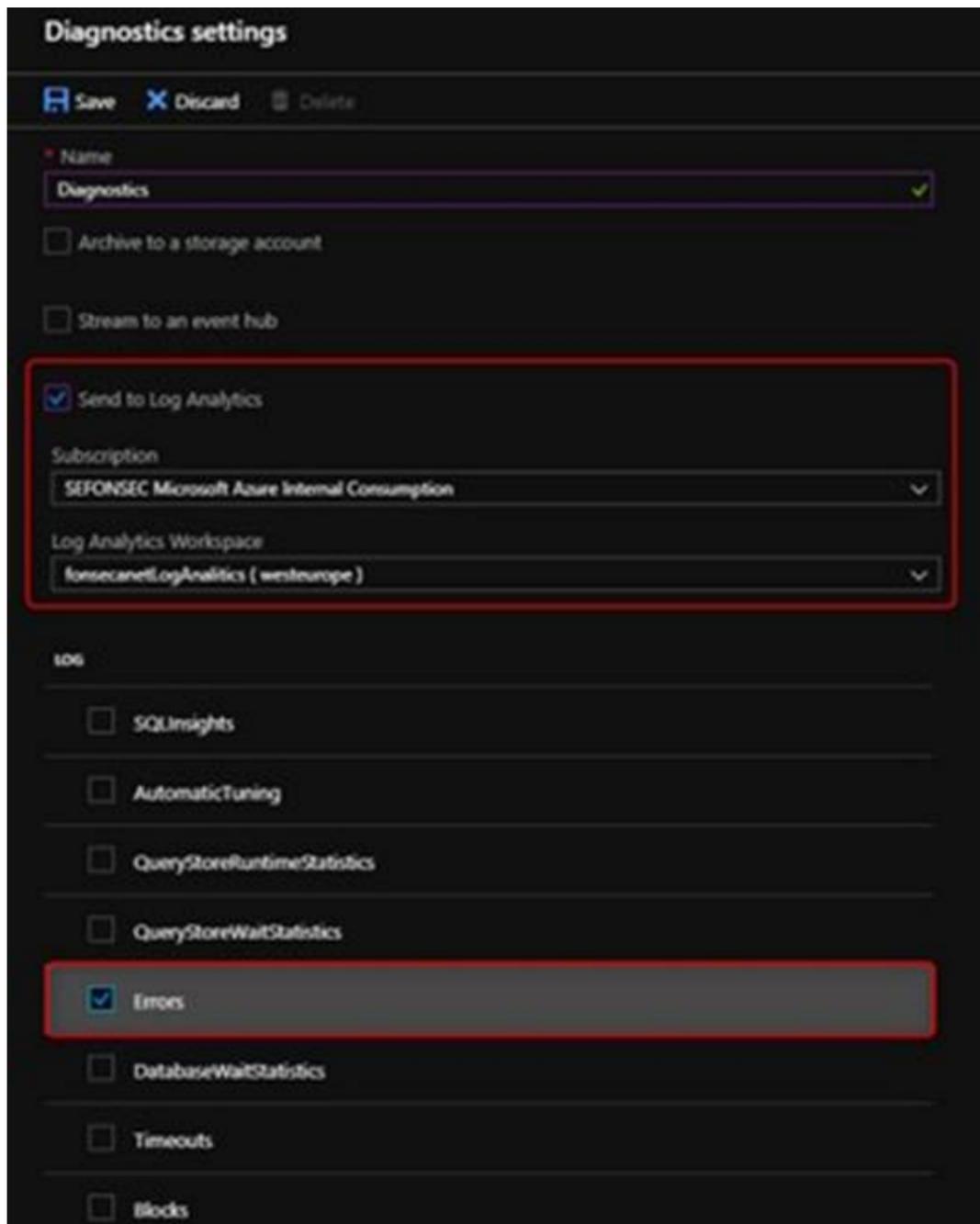
ENABLE DIAGNOSTICS TO LOG ANALYTICS

This configuration is done PER DATABASE

* 1. Click on Diagnostics Settings and then Turn On Diagnostics



* 2. Select to Send to Log Analytics and select the Log Analytics workspace. For this sample I will selected only Errors



Graphical user interface Description automatically generated with medium confidence

Reference:

<https://techcommunity.microsoft.com/t5/azure-database-support-blog/azure-sql-db-and-log-analytics-better-together-part-1/ba-p/794833>

NEW QUESTION 178

- (Topic 4)

You manage code by using GitHub.

You need to ensure that repository owners are notified if a new vulnerable dependency or malware is found in their repository.

What should you do?

- A. Configure branch protection rules for each repository.
- B. Configure Dependabot alerts.
- C. Configure CodeQL scanning actions.
- D. Subscribe all the repository owners to the GitHub Advisory Database.

Answer: B

NEW QUESTION 183

- (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. Octopus
- B. Chef
- C. Maven
- D. Grunt

Answer: A

NEW QUESTION 187

DRAG DROP - (Topic 4)

You use Azure Pipelines to automate Continuous Integration/Continuous Deployment (CI/CD) for an Azure web app named WebApp1.

You configure an Azure Monitor alert that is triggered when WebApp1 generates an error. You need to configure the alert to forward details of the error to a third-party system. The

solution must minimize administrative effort.

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

- Select the Recurrence trigger.
- Create an Azure event hub.
- Create an Azure logic app.
- Select the HTTP request trigger.
- Update the action group in Azure Monitor.
- Select the Sliding Window trigger.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application
 Description automatically generated
 Box 1: Create an Azure logic app.
 Box 2: Select the HTTP request trigger.
 Box 3: Updated the action group in Azure Monitor.

NEW QUESTION 189

- (Topic 4)
 You have an Azure subscription that contains the resources shown in the following table.

Name	Type
DepPipeline1	Azure DevOps deployment pipeline
ADFPipeline1	Azure Data Factory pipeline
Vault1	Azure Key Vault

DepPipeline1 and ADFPipeline1 use a single credential that is stored in Vault1. You need to configure ADFPipeline1 to retrieve the credential from Vault1. Which type of activity should you use?

- A. Web
- B. Copy
- C. Lookup
- D. Get Metadata

Answer: A

NEW QUESTION 192

DRAG DROP - (Topic 4)
 You plan to use Azure Kubernetes Service (AKS) to host containers deployed from images hosted in a Docker Trusted Registry. You need to recommend a solution for provisioning and connecting to AKS. The solution must ensure that AKS is RBAC-enabled and uses a custom service principal. Which three commands should you recommend be run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the coned order.

Commands

- kubectl create
- az role assignment create
- az aks get-credentials
- az ad sp create-for-rbac
- az aks create

Answer Area

1

2

3

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1 : az acr create

An Azure Container Registry (ACR) can also be created using the new Azure CLI. az acr create

--name <REGISTRY_NAME>

--resource-group <RESOURCE_GROUP_NAME>

--sku Basic

Step 2: az ad sp create-for-rbac

Once the ACR has been provisioned, you can either enable administrative access (which is okay for testing) or you create a Service Principal (sp) which will provide a client_id and a client_secret.

az ad sp create-for-rbac

--scopes

/subscriptions/<SUBSCRIPTION_ID>/resourcegroups/<RG_NAME>/providers/Microsoft.ContainerRegistry/registries/<REGISTRY_NAME>

--role Contributor

--name <SERVICE_PRINCIPAL_NAME>

Step 3: kubectl create

Create a new Kubernetes Secret.

kubectl create secret docker-registry <SECRET_NAME>

--docker-server <REGISTRY_NAME>.azurecr.io

--docker-email <YOUR_MAIL>

--docker-username=<SERVICE_PRINCIPAL_ID>

--docker-password <YOUR_PASSWORD>

References:

<https://thorsten-hans.com/how-to-use-private-azure-container-registry-with-kubernetes>

NEW QUESTION 197

- (Topic 4)

Your company uses Azure DevOps for the build pipelines and deployment pipelines of Java-based projects.

You need to recommend a strategy for managing technical debt. Which action should you include in the recommendation?

- A. Configure post-deployment approvals in the deployment pipeline.
- B. Integrate Azure DevOps and Sonar Rube.
- C. Integrate Azure DevOps and Azure Dev Test Labs.

Answer: B

Explanation:

You can manage technical debt with Sonar Rube and Azure DevOps.

Note: Technical debt is the set of problems in a development effort that make forward progress on customer value inefficient. Technical debt saps productivity by making code hard to understand, fragile, time-consuming to change, difficult to validate, and creates unplanned work that blocks progress. Unless they are managed, technical debt can accumulate and hurt the overall quality of the software and the productivity of the development team in the long term

SonarQube an open source platform for continuous inspection of code quality to perform automatic reviews with static analysis of code to:

? Detect Bugs

? Code Smells

? Security Vulnerabilities

? Centralize Quality

? What's covered in this lab

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

NEW QUESTION 201

HOTSPOT - (Topic 4)

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

Name	Type
DF1	Azure Data Factory
SQL1	Azure SQL Database
KV1	Azure Key Vault

You plan to create a linked service in DF1. The linked service will connect to SQL1 by using Microsoft SQL Server authentication. The password for the SQL Server login will be stored in KV1.

You need to configure DF1 to retrieve the password when the data factory connects to SQL1. The solution must use the principle of least privilege.

How should you configure DF1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Permission type:

Key
Secret
Certificate

Access method:

Access policy
Service endpoint policy
Role-based access control (RBAC)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Secret

Store credential in Azure Key Vault by reference secret stored in key vault.

To reference a credential stored in Azure Key Vault, you need to:

? Retrieve data factory managed identity

? Grant the managed identity access to your Azure Key Vault. In your key vault -> Access policies -> Add Access Policy, search this managed identity to grant Get permission in Secret permissions dropdown. It allows this designated factory to access secret in key vault.

? Create a linked service pointing to your Azure Key Vault.

? Create data store linked service, inside which reference the corresponding secret stored in key vault.

Box 2: Access policy

NEW QUESTION 202

HOTSPOT - (Topic 4)

You need to deploy Azure Kubernetes Service (AKS) to host an application. The solution must meet the following requirements:

? Containers must only be published internally.

? AKS clusters must be able to create and manage containers in Azure.

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

NOTE: Each correct selection is worth one point.

Containers must only be published internally:

Azure Container Instances
Azure Container Registry
Dockerfile

AKS clusters must be able to create and manage containers in Azure:

An Azure Active Directory (Azure AD) group
An Azure Automation account
An Azure service principal

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Container Registry

Azure services like Azure Container Registry (ACR) and Azure Container Instances (ACI) can be used and connected from independent container orchestrators like kubernetes (k8s). You can set up a custom ACR and connect it to an existing k8s cluster to ensure images will be pulled from the private container registry instead of the public docker hub.

Box 2: An Azure service principal

When you're using Azure Container Registry (ACR) with Azure Kubernetes Service (AKS), an authentication mechanism needs to be established. You can set up AKS and ACR integration during the initial creation of your AKS cluster. To allow an AKS cluster to interact with ACR, an Azure Active Directory service principal is used.

References:

<https://thorsten-hans.com/how-to-use-private-azure-container-registry-with-kubernetes> <https://docs.microsoft.com/en-us/azure/aks/cluster-container-registry-integration>

NEW QUESTION 206

DRAG DROP - (Topic 4)

You provision an Azure Kubernetes Service (AKS) cluster that has RBAC enabled. You have a Helm chart for a client application.

You need to configure Helm and Tiller on the cluster and install the chart.

Which three commands should you recommend be run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

Commands

Answer Area

- helm install
- kubectl create
- helm completion
- helm init
- helm serve



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Kubectl create

You can add a service account to Tiller using the --service-account <NAME> flag while you're configuring Helm (step 2 below). As a prerequisite, you'll have to create a role binding which specifies a role and a service account name that have been set up in advance.

Example: Service account with cluster-admin role

```
$ kubectl create -f rbac-config.yaml serviceaccount "tiller" created clusterrolebinding "tiller" created
```

```
$ helm init --service-account tiller
```

Step 2: helm init

To deploy a basic Tiller into an AKS cluster, use the helm init command.

Step 3: helm install

To install charts with Helm, use the helm install command and specify the name of the chart to install.

References:

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-helm> https://docs.helm.sh/using_helm/#tiller-namespaces-and-rbac

NEW QUESTION 209

- (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 autoscaling.

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

You need to recommend a solution to detect an abnormal rise in the rate of failed requests to Appl. The solution must minimize administrative effort.

What should you include in the recommendation?

- A. an Azure Service Health alert
- B. the Failures feature in Azure Application Insights
- C. the Smart Detection feature in Azure Application Insights
- D. an Azure Monitor alert that uses an Azure Log Analytics query

Answer: C

Explanation:

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

Reference:

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

NEW QUESTION 210

DRAG DROP - (Topic 4)

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

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

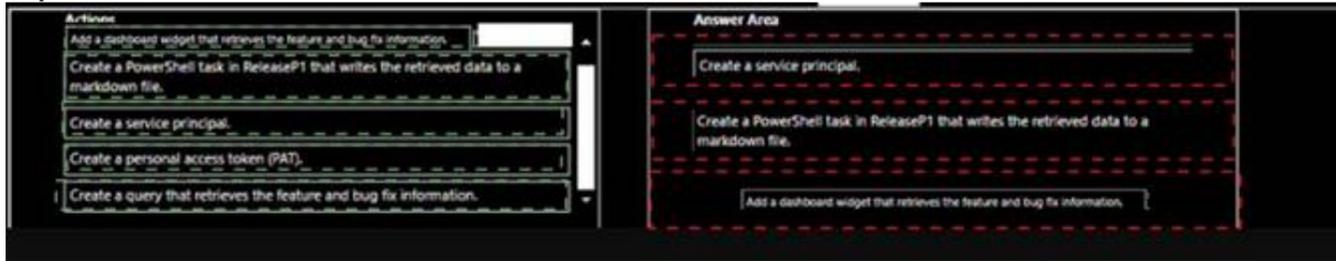
Which three actions should you perform in sequence? To answer, move the appropriate actions from the Most of actions to the answer area and arrange them in the correct order.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 214

- (Topic 4)

You have a project in Azure DevOps.

You need to push notifications about pull requests to a Microsoft Teams channel. The solution must minimize development effort.

What should you do?

- A. Install the Azure Repos app for teams and configure a subscription to receive notifications in the channel.
- B. Use Azure Automation to connect to the Azure DevOps REST API and send messages to Teams.
- C. Install the Azure Pipelines app for Teams and configure a subscription to receive notifications in the channel.
- D. Use an Azure function to connect to the Azure DevOps REST API and send messages to Teams.

Answer: A

NEW QUESTION 218

- (Topic 4)

You are designing a configuration management solution to support five apps hosted on Azure App Service.

Each app is available in the following three environments: development, test, and production.

You need to recommend a configuration management solution that meets the following requirements:

- ? Supports feature flags
- ? Tracks configuration changes from the past 30 days
- ? Stores hierarchically structured configuration values
- ? Controls access to the configurations by using role-based access control (RBAC) permission
- ? Stores shared values as key/value pairs that can be used by all the apps

Which Azure service should you recommend as the configuration management solution?

- A. Azure Cosmos DB
- B. Azure App Service
- C. Azure App Configuration
- D. Azure Key Vault

Answer: C

Explanation:

The Feature Manager in the Azure portal for App Configuration provides a UI for creating and managing the feature flags that you use in your applications.

App Configuration offers the following benefits:

- ? A fully managed service that can be set up in minutes
- ? Flexible key representations and mappings
- ? Tagging with labels
- ? Point-in-time replay of settings
- ? Dedicated UI for feature flag management
- ? Comparison of two sets of configurations on custom-defined dimensions
- ? Enhanced security through Azure-managed identities
- ? Encryption of sensitive information at rest and in transit
- ? Native integration with popular frameworks

App Configuration complements Azure Key Vault, which is used to store application secrets.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-app-configuration/overview>

NEW QUESTION 223

DRAG DROP - (Topic 4)

You have an Azure Repos repository named repo1. You delete a branch named features/feature11. You need to recover the deleted branch.

Which three commands should you run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

Commands

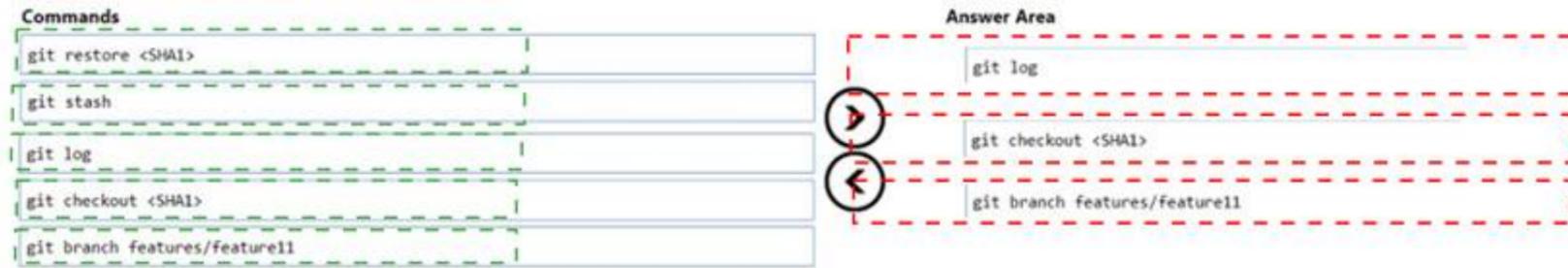
- git restore <SHA1>
- git stash
- git log
- git checkout <SHA1>
- git branch features/feature11

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 225

HOTSPOT - (Topic 4)

You use Azure DevOps to manage the build and deployment of an app named App1. You have a release pipeline that deploys a virtual machine named VM1. You plan to monitor the release pipeline by using Azure Monitor. You need to create an alert to monitor the performance of VM1. The alert must be triggered when the average CPU usage exceeds 70 percent for five minutes. The alert must calculate the average once every minute. How should you configure the alert rule? To answer, select the appropriate options in the answer area.

Answer Area

Aggregation granularity (Period):

Threshold value:

Operator:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 5 minutes

The alert must calculate the average once every minute.

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

evaluation of added time series Box 2: Static

Box 3: Greater than

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

? Target resource: myAppServicePlan

? Metric: Percentage CPU

? Condition Type: Static

? Dimensions

? Instance = InstanceName1, InstanceName2

? Time Aggregation: Average

? Period: Over the last 5 mins

? Frequency: 1 min

? Operator: GreaterThan

? Threshold: 70

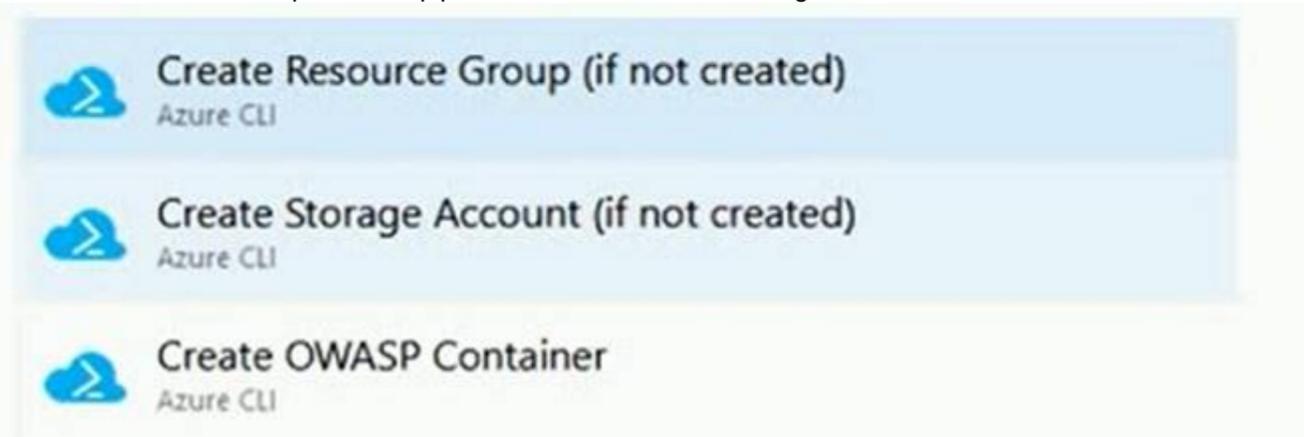
? Like before, this rule monitors if the average CPU usage for the last 5 minutes exceeds 70%.

? Aggregation granularity

NEW QUESTION 228

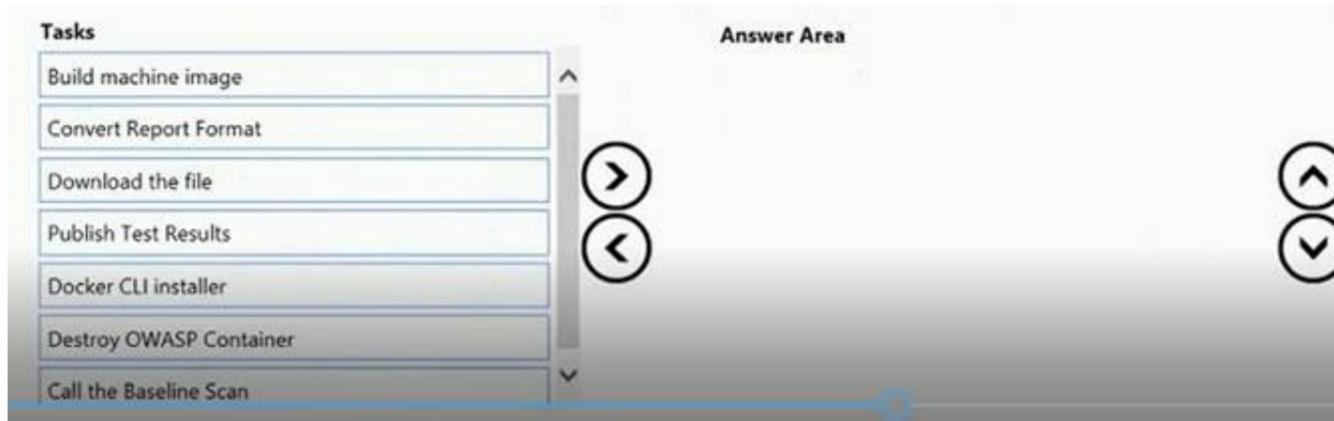
DRAG DROP - (Topic 4)

You have an Azure DevOps release pipeline as shown in the following exhibit.



You need to complete the pipeline to configure OWASP ZAP for security testing.

Which five Azure CLI tasks should you add in sequence? To answer, move the tasks from the list of tasks to the answer area and arrange them in the correct order.



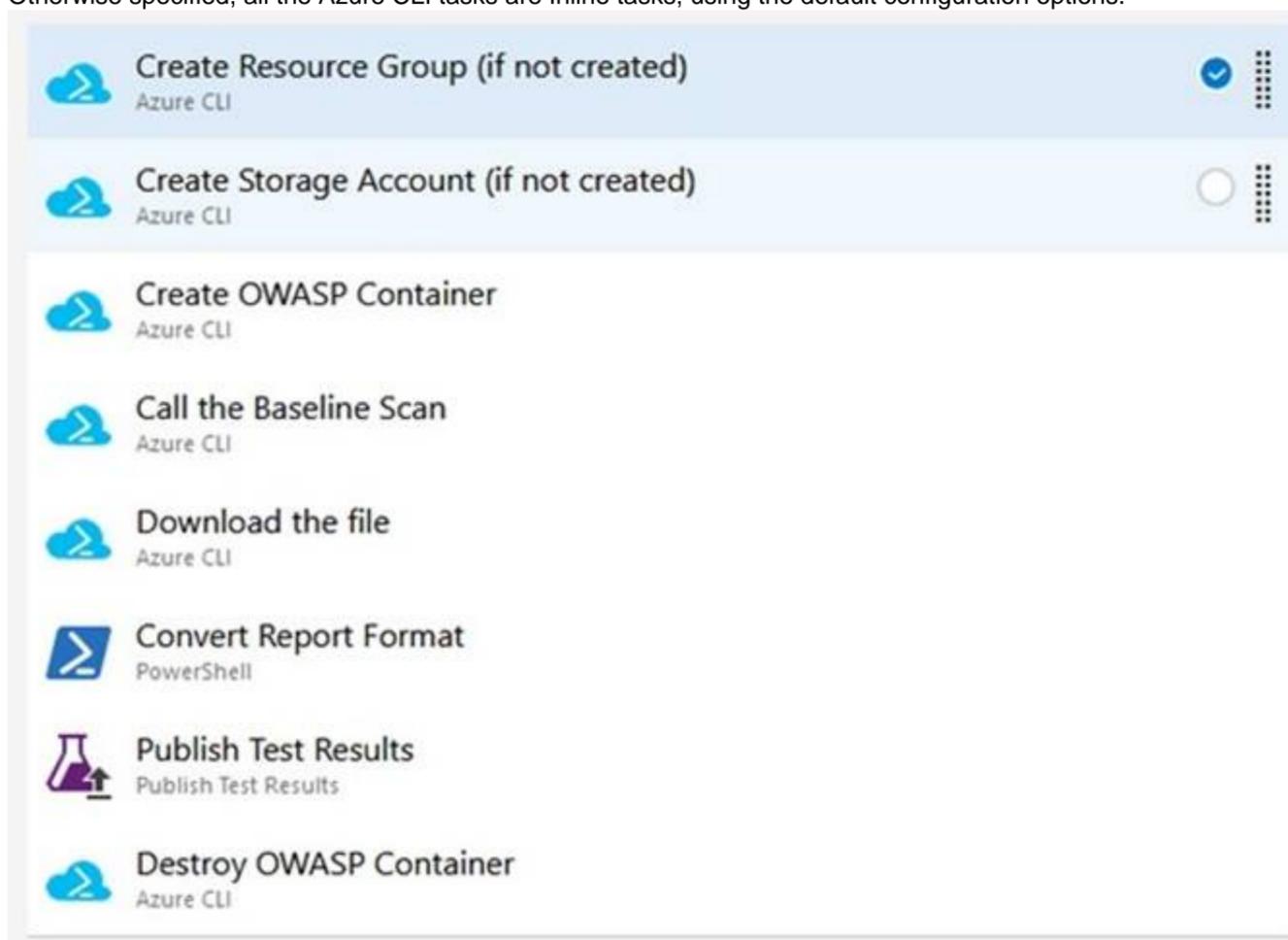
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Defining the Release Pipeline

Once the application portion of the Release pipeline has been configured, the security scan portion can be defined. In our example, this consists of 8 tasks, primarily using the Azure CLI task to create and use the ACI instance (and supporting structures). Otherwise specified, all the Azure CLI tasks are Inline tasks, using the default configuration options.



NEW QUESTION 229

- (Topic 4)

You need to recommend a Docker container build strategy that meets the following requirements

- Minimizes image sizes
 - Minimizes the security surface area of the final image
- What should you include in the recommendation?

- A. multi-stage builds
- B. single-stage builds
- C. PowerShell Desired State Configuration (DSC)
- D. Docker Swarm

Answer: A

Explanation:

Multi-stage builds are a new feature requiring Docker 17.05 or higher on the daemon and client. Multistage builds are useful to anyone who has struggled to optimize Dockerfiles while keeping them easy to read and maintain.

References: <https://docs.docker.com/develop/develop-images/multistage-build/>

NEW QUESTION 232

DRAG DROP - (Topic 4)

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

You need to identify which nodes are noncompliant.

How should you complete the query? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all.

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

NOTE: Each correct selection is worth one point.

Values	Answer Area
Category	AzureDiagnostics
DscReportStatus	where <input type="text"/> == "DscNodeStatus"
Message	where <input type="text"/> contains ""
OperationName	where <input type="text"/> != "Compliant"
Resource	
ResultType	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 234

- (Topic 4)

You have a containerized solution that runs in Azure Container Instances. The solution contains a frontend container named App1 and a backend container named DB1. DB1 loads a large amount of data during startup.

You need to verify that DB1 can handle incoming requests before users can submit requests to Appl.

What should you configure?

- A. a liveness probe
- B. an Azure Load Balancer health probe
- C. a readiness probe
- D. a performance log

Answer: C

Explanation:

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.

Reference:

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-readiness-probe>

NEW QUESTION 239

- (Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

You use a Git repository for applications source control.

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

Solution: You implement a pull request strategy that uses squash merges. Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 242

- (Topic 4)

You have an Azure DevOps project named Project1 and an Azure subscription named Sub1.

You need to prevent releases from being deployed unless the releases comply with the Azure Policy rules assigned to Sub1.

What should you do in the release pipeline of Project1?

- A. Create a pipeline variable.
- B. Add a deployment gate.
- C. Configure a deployment trigger.
- D. Modify the Deployment queue settings.

Answer: B

Explanation:

You can check policy compliance with gates.

You can extend the approval process for the release by adding a gate. Gates allow you to configure automated calls to external services, where the results are used to approve or reject a deployment.

You can use gates to ensure that the release meets a wide range of criteria, without requiring user intervention.

Reference:

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

NEW QUESTION 246

- (Topic 4)

You have a free tier of an Azure DevOps organization named Contoso. Contoso contains 10 private projects. Each project has multiple jobs with no dependencies. You frequently run the jobs on five self-hosted agents but experience long build times and frequently queued builds. You need to minimize the number of queued builds and the time it takes to run the builds. What should you do?

- A. Purchase self-hosted parallel jobs.
- B. Register additional self-hosted agents.
- C. Purchase Microsoft-hosted parallel jobs.
- D. Configure the pipelines to use the Microsoft-hosted agents.

Answer: B

Explanation:

<https://docs.microsoft.com/en-us/azure/devops/organizations/billing/buy-more-build-vs?view=azure-devops#self-hosted-cicd>

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.

Answer Area

```
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:

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 254

- (Topic 4)

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

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

Which feature should you use?

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

Answer: D

Explanation:

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

NEW QUESTION 255

- (Topic 4)

You use Azure DevOps processes to build and deploy code.

You need to compare how much time is spent troubleshooting issues found during development and how much time is spent troubleshooting issues found in released code.

Which KPI should you use?

- A. defect escape rate
- B. unplanned work rate
- C. defect rate
- D. rework rate

Answer: A

Explanation:

The defect escape rate is a metric that assesses the collective quality of software releases by evaluating how often errors are discovered and rectified in the pre-production process versus during production.

The defect escape rate is a KPI (Key Performance Indicator) that measures how many defects are found in released code versus how many are found during development. This KPI can help you to compare how much time is spent troubleshooting issues found during development versus how much time is spent troubleshooting issues found in released code. The higher the defect escape rate, the more defects are found in released code, and thus more time is spent troubleshooting issues in released code.

NEW QUESTION 260

- (Topic 4)

Your company uses Azure DevOps.

Only users who have accounts in Azure Active Directory can access the Azure DevOps environment.

You need to ensure that only devices that are connected to the on-premises network can access the Azure DevOps environment. What should you do?

- A. Assign the Stakeholder access level to all users.
- B. In Azure Active Directory, configure risky sign-ins.
- C. In Azure DevOps, configure Security in Project Settings.
- D. In Azure Active Directory, configure conditional access.

Answer: D

Explanation:

Conditional Access is a capability of Azure Active Directory. With Conditional Access, you can implement automated access control decisions for accessing your cloud apps that are based on conditions.

Conditional Access policies are enforced after the first-factor authentication has been completed.

References:

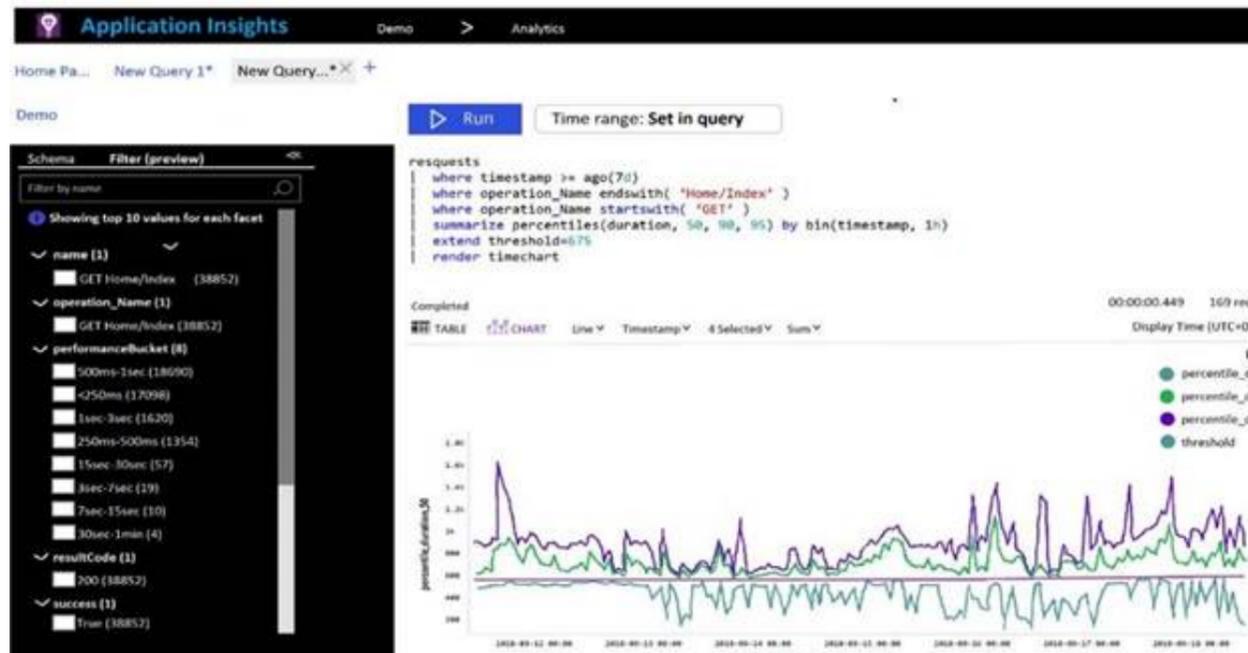
<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview>

NEW QUESTION 263

HOTSPOT - (Topic 4)

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

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



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

NOTE: Each correct selection is worth one point.

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

	▼
percentile_duration_50	
percentile_duration_90	
percentile_duration_95	
threshold	

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

	▼
item Type	
resultCode	
source	
success	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: percentile_duration_95
 Box 2: resultCode

NEW QUESTION 265

- (Topic 4)

Your team uses Azure Pipelines to deploy applications.

You need to ensure that when a failure occurs during the build or release process, all the team members are notified by using Microsoft Teams. The solution must minimize development effort.

What should you do?

- A. Use Azure Automation to connect to the Azure DevOps REST API and notify the team members.
- B. Install the Azure Pipelines app for Teams and configure a subscription to receive notifications in a channel.
- C. Install the Azure Boards app for Teams and configure a subscription to receive notifications in a channel.
- D. Use an Azure function to connect to the Azure DevOps REST API and notify the team members.

Answer: C

NEW QUESTION 269

- (Topic 4)

Your company « 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. Code Style
- B. Microsoft Visual SourceSafe
- C. Black Duck
- D. Jenkins

Answer: C

Explanation:

Secure and Manage Open Source Software

Black Duck helps organizations identify and mitigate open source security, license compliance and code-quality risks across application and container portfolios.

Black Duck Hub and its plugin for Team Foundation Server (TFS) allows you to automatically find and fix open source security vulnerabilities during the build process, so you can proactively manage risk. The integration allows you to receive alerts and fail builds when any Black Duck Hub policy violations are met.

Note: WhiteSource would also be a good answer, but it is not an option here. References:

<https://marketplace.visualstudio.com/items?itemName=black-duck-software.hub-tfs>

NEW QUESTION 270

DRAG DROP - (Topic 4)

Your company has a project in Azure DevOps named Project1. All the developers at the company have Windows 10 devices.

You need to create a Get repository for Project1. The solution must meet the following requirements:

- Support large binary files.
- Store binary files outside of the repository.
- Use a standard Get workflow to maintain the metadata of the binary files by using commits to the repository.

Actions	Answer Area
Perform a custom installation of Git for Windows that includes Git Virtual File System (GVFS).	1
Configure personal access token (PAT)-based authentication.	2
Perform a custom installation of Git for Windows that includes Git Large File Storage (LFS).	3
Configure SSH key-based authentication.	
Configure Git Large File Storage (LFS) file tracking.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 273

DRAG DROP - (Topic 4)

You have several Azure virtual machines that run Windows Server 2019. You need to identify the distinct event IDs of each virtual machine as shown in the following table.

Name	Event ID
VM1	[704,701,1501,1500, 1085]
VM2	[326,105,302,301,300,102]
...	...

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

You can use makelist to pivot data by the order of values in a particular column. For example, you may want to explore the most common order events take place on your machines. You can essentially pivot the data by the order of EventIDs on each machine.

```
Example: Event
| where TimeGenerated > ago(12h)
| order by TimeGenerated desc
| summarize makelist(EventID) by Computer
```

NEW QUESTION 275

- (Topic 4)

You have an existing project in Azure DevOps. You plan to integrate GitHub as the repository for the project. You need to ensure that Azure Pipelines runs under the Azure Pipelines identity. Which authentication mechanism should you use?

- A. GitHubApp
- B. OAuth
- C. personal access token (PAT)
- D. Azure Active Directory (Azure AD)

Answer: A

Explanation:

GitHub App uses the Azure Pipelines identity.

Reference:

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

NEW QUESTION 279

DRAG DROP - (Topic 4)

You have a project in Azure DevOps that uses packages from multiple public feeds. Some of the feeds are unreliable. You need to consolidate the packages into a single feed.

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:

Step 1: Create a NuGet package.

NuGet and Maven are public package managers that support multiple feeds.

Step 2: Create an Azure Artifacts feed that uses upstream sources

If you want to use packages from multiple feeds, use upstream sources to bring packages from multiple feeds together into a single feed.

Step 3: Create a Microsoft Visual Studio project that includes all the packages

Consume NuGet packages from upstream sources: Now you can open Visual Studio and install packages from the upstream sources you just configured.

NEW QUESTION 281

- (Topic 4)

You are integrating Azure Pipelines and Microsoft Teams. You install the Azure Pipelines app in Microsoft Teams.

You have an Azure DevOps organization named Contoso that contains a project name Project1.

You subscribe to Project1 in Microsoft Teams.

You need to ensure that you only receive events about failed builds in Microsoft Teams. What should you do first?

- A. From Microsoft Teams, run `@azure pipelines subscribe https://dev.azure.com/Contoso/Project1`.
- B. From Microsoft Teams, run `@azure pipelines subscriptions`.
- C. From Azure Pipelines, enable continuous integration for Project1.
- D. From Azure Pipelines, add a Publish Build Artifacts task to Project1.

Answer: B

Explanation:

To start monitoring all pipelines in a project, use the following command inside a channel:

`@azure pipelines subscribe [project url]`

The project URL can be to any page within your project (except URLs to pipelines). For example:

`@azure pipelines subscribe https://dev.azure.com/myorg/myproject/`

Reference:

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

NEW QUESTION 285

- (Topic 4)

You have an application that consists of several Azure App Service web apps and Azure functions.

You need to access the security of the web apps and the functions.

Which Azure features can you use to provide a recommendation for the security of the application?

- A. Security & Compliance in Azure Log Analytics
- B. Resource health in Azure Service Health
- C. Smart Detection in Azure Application Insights
- D. Compute & apps in Azure Security Center

Answer: D

Explanation:

Monitor compute and app services: Compute & apps include the App Services tab, which App services: list of your App service environments and current security state of each.

Recommendations

This section has a set of recommendations for each VM and computer, web and worker roles, Azure App Service Web Apps, and Azure App Service Environment that Security

Center monitors. The first column lists the recommendation. The second column shows the total number of resources that are affected by that recommendation.

The third column shows the severity of the issue.

NEW QUESTION 287

- (Topic 4)

You have an Azure DevOps organization named Contoso.

You need to receive Microsoft Teams notifications when work items are updated. What should you do?

- A. From Azure DevOp
- B. configure a service hook subscription.

- C. From Microsoft Teams, configure a connector.
- D. From Microsoft Teams, add a channel.
- E. From Azure DevOp
- F. install an extension.
- G. From the Microsoft Teams admin center configure external access.

Answer: A

Explanation:

<https://azuredevopslabs.com/labs/vstsextend/teams/>

NEW QUESTION 288

- (Topic 4)

You have a GitHub repository.

You create a new repository in Azure DevOps.

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

What should you recommend?

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

Answer: C

NEW QUESTION 292

- (Topic 4)

Your company builds a multi tier web application.

>You use Azure DevOps and host the production application on Azure virtual machines. Your team prepares an Azure Resource Manager template of the virtual machine that you

will use to test new features.

You need to create a staging environment in Azure that meets the following requirements:

- Minimizes the cost of Azure hosting
- Provisions the virtual machines automatically
- Use* the custom Azure Resource Manager template to provision the virtual machines What should you do?

- A. In Azure DevOps, configure new tasks in the release pipeline to create and delete the virtual machines in Azure DevTest Labs.
- B. From Azure Cloud Shell, run Azure PowerShell commands to create and delete the new virtual machines in a staging resource group.
- C. In Azure DevOps, configure new tasks in the release pipeline to deploy to Azure Cloud Services.
- D. In Azure Cloud Shell, run Azure CLI commands to create and delete the new virtual machines in a staging resource group.

Answer: A

Explanation:

You can use the Azure DevTest Labs Tasks extension that's installed in Azure DevOps to easily integrate your CI/CD build-and-release pipeline with Azure DevTest Labs. The extension installs three tasks:

? Create a VM

? Create a custom image from a VM

? Delete a VM

The process makes it easy to, for example, quickly deploy a "golden image" for a specific test task and then delete it when the test is finished.

References: <https://docs.microsoft.com/en-us/azure/lab-services/devtest-lab-integrate-ci-cd-vsts>

NEW QUESTION 297

- (Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

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

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

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 299

- (Topic 4)

You use Azure Artifacts to host NuGet packages that you create.

You need to make one of the packages available to anonymous users outside your organization. The solution must minimize the number of publication points.

What should you do?

- A. Create a new feed for the package
- B. Publish the package to a public NuGet repository.
- C. Promote the package to a release view.

D. Change the feed URL of the package.

Answer: A

Explanation:

Azure Artifacts introduces the concept of multiple feeds that you can use to organize and control access to your packages. Packages you host in Azure Artifacts are stored in a feed. Setting permissions on the feed allows you to share your packages with as many or as few people as your scenario requires. Feeds have four levels of access: Owners, Contributors, Collaborators, and Readers. References: <https://docs.microsoft.com/en-us/azure/devops/artifacts/feeds/feed-permissions?view=vsts&tabs=new-nav>

NEW QUESTION 300

- (Topic 4)

Your company has an on-premises Bitbucket Server that is used for Git-based source control. The server is protected by a firewall that blocks inbound Internet traffic.

You plan to use Azure DevOps to manage the build and release processes. Which two components are required to integrate Azure DevOps and Bitbucket? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. an External Git service connection
- B. a Microsoft hosted agent
- C. service hooks
- D. a self-hosted agent
- E. a deployment M group

Answer: AD

Explanation:

When a pipeline uses a remote, 3rd-party repository host such as Bitbucket Cloud, the repository is configured with webhooks that notify Azure Pipelines Server or TFS when code has changed and a build should be triggered. Since on-premises installations are normally protected behind a firewall, 3rd-party webhooks are unable to reach the on-premises server. As a workaround, you can use the External Git repository type which uses polling instead of webhooks to trigger a build when code has changed.

References: <https://docs.microsoft.com/en-us/azure/devops/pipelines/repos/pipeline-options-for>

NEW QUESTION 305

SIMULATION - (Topic 4)

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

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

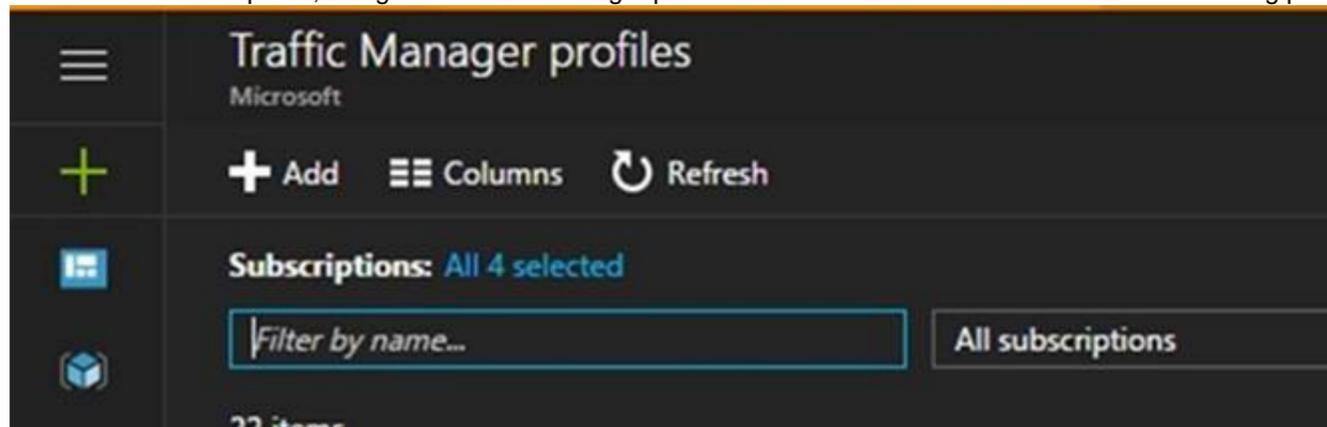
To complete this task, sign in to the Microsoft Azure portal.

A.

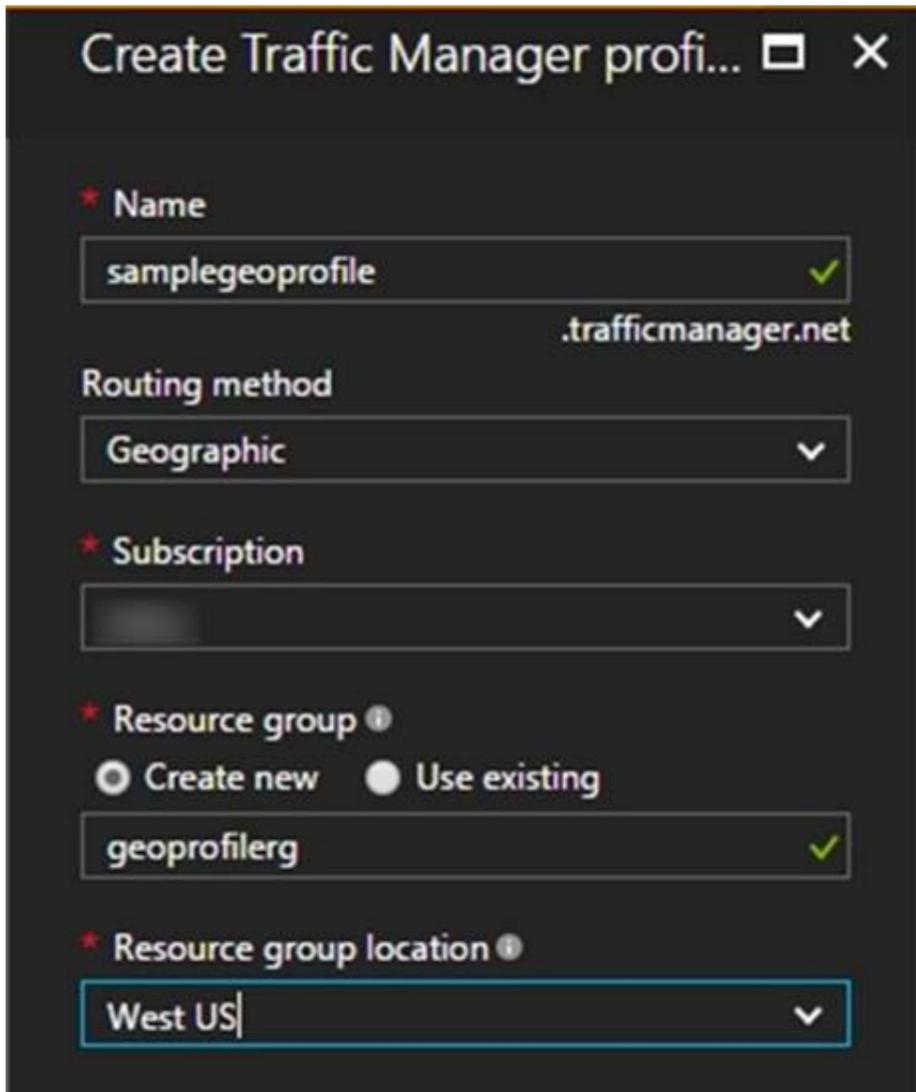
Answer: Seesolutionbelow.

Explanation:

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



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



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

NEW QUESTION 306

DRAG DROP - (Topic 4)

You are creating a container for an ASP.NET Core app.

You need to create a Docker 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 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

- dotnet publish -c Release -o out
- dotnet restore
- mcr.microsoft.com/dotnet/aspnet:5.0
- mcr.microsoft.com/dotnet/sdk:5.0

Answer Area

```

FROM [Value] AS build-env
COPY . /app/
WORKDIR /app
RUN [Value]
FROM [Value]
COPY --from=build-env /app/out /app
WORKDIR /app
ENTRYPOINT ["dotnet", "MvcMovie.dll"]
                    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values

- dotnet publish -c Release -o out
- dotnet restore
- mcr.microsoft.com/dotnet/aspnet:5.0
- mcr.microsoft.com/dotnet/sdk:5.0

Answer Area

```

FROM mcr.microsoft.com/dotnet/aspnet:5.0 AS build-env
COPY . /app/
WORKDIR /app
RUN dotnet publish -c Release -o out
FROM dotnet restore
COPY --from=build-env /app/out /app
WORKDIR /app
ENTRYPOINT ["dotnet", "MvcMovie.dll"]
                    
```

NEW QUESTION 308

- (Topic 4)

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

- A. Split the build pipeline into multiple stages.

- B. Purchase an additional parallel job.
- C. Create a new agent pool.
- D. Enable self-hosted build agents.

Answer: B

Explanation:

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

NEW QUESTION 311

- (Topic 4)

You have 50 Node.js-based projects that you scan by using WhiteSource. Each project includes Package.json, Package-lock.json, and Npm-shrinkwrap.json files. You need to minimize the number of libraries reports by WhiteSource to only the libraries that you explicitly reference. What should you do?

- A. Configure the File System Agent plug in.
- B. Delete Package lock.json.
- C. Configure the Artifactory plug-in.
- D. Add a devDependencies section to Package-lock.json.

Answer: D

Explanation:

Separate Your Dependencies

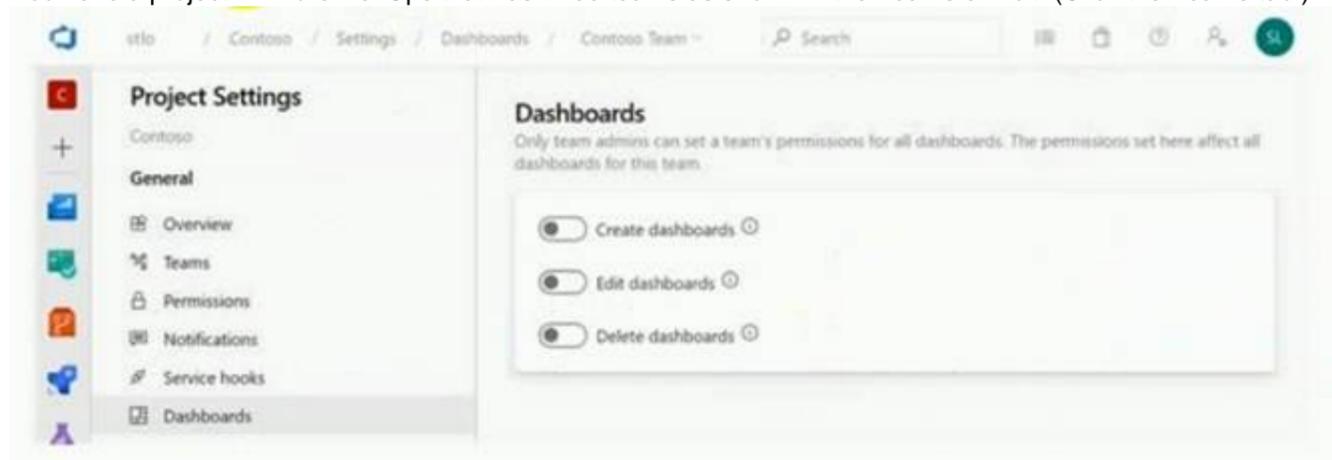
Within your package.json file be sure you split out your npm dependencies between devDependencies and (production) dependencies. The key part is that you must then make use of the --production flag when installing the npm packages. The --production flag will exclude all packages defined in the devDependencies section.

References: <https://blogs.msdn.microsoft.com/visualstudioalmrangers/2017/06/08/manage-your-open-source-usage-and-security-as-reported-by-your-cicd-pipeline/>

NEW QUESTION 316

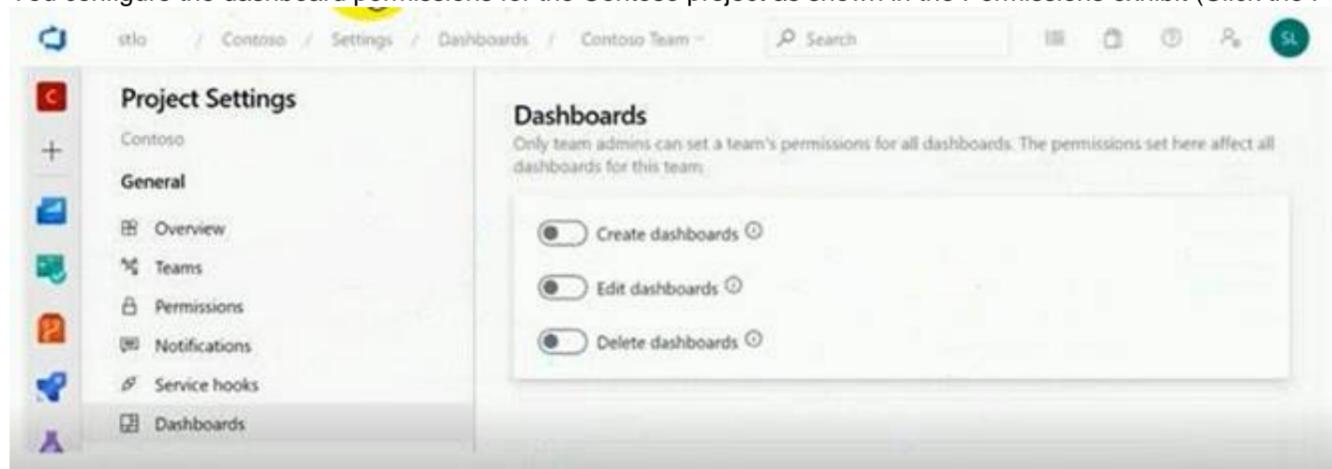
HOTSPOT - (Topic 4)

You have a project in Azure DevOps that has three teams as shown in the Teams exhibit. (Click the Teams tab.)



You create a new dashboard named Dash1.

You configure the dashboard permissions for the Contoso project as shown in the Permissions exhibit (Click the Permissions tab.)



All other permissions have the default values set.

Statements	Yes	No
Web Team can delete Dash1.	<input type="radio"/>	<input type="radio"/>
Contoso Team can view Dash1.	<input type="radio"/>	<input type="radio"/>
Project administrators can create new dashboards.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Web Team can delete Dash1.	<input type="radio"/>	<input checked="" type="radio"/>
Contoso Team can view Dash1.	<input checked="" type="radio"/>	<input type="radio"/>
Proiect administrators can create new dashboards.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 317

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