



Microsoft

Exam Questions AZ-400

Microsoft Azure DevOps Solutions (beta)

NEW QUESTION 1

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

Answer: D

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

Cycle Time

Lead Time

Velocity

The elapsed time from the creation of work items to their completion:

The elapsed time to complete work items once they are active:

The remaining work:

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

You use a Git repository for applications source control.

You need to implement a pull request strategy that reduces the history volume in the master branch.
 Solution: You implement a pull request strategy that uses a three-way merge. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead use fast-forward merge.

Note:

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

Reference:

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

NEW QUESTION 5

HOTSPOT - (Topic 4)

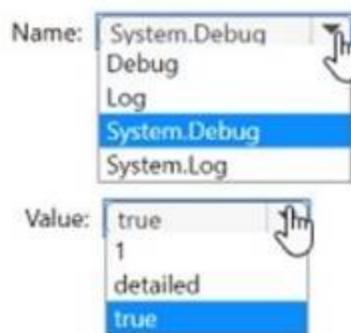
You have a project in Azure DevOps that contains a Continuous Integration/Continuous Deployment (CI/CD) pipeline.

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

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

NOTE: Each correct selection is worth one point.

Answer Area

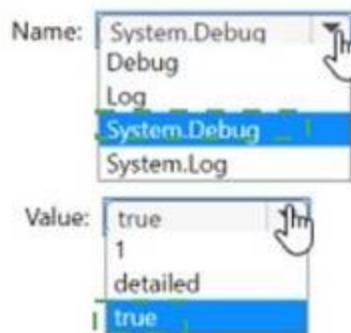


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 6

DRAG DROP - (Topic 4)

You have an Azure Repos repository that contains large PSD files. You need to configure Get LFS to manage all the files.

How should you complete the script? 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.

Values

- git fetch
- git lfs config add "*.psd"
- git lfs migrate import --include "*.psd" --everything
- git lfs track "*.psd"
- git lfs update
- git push

Answer Area

```

...
git lfs install
Value
git add .gitattributes
Value
git commit -m "track *.psd files using Git LFS"
Value
Value
...
                    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 7

HOTSPOT - (Topic 4)

Your company uses Team Foundation Server 2013 (TFS 2013). You plan to migrate to Azure DevOps.

You need to recommend a migration strategy that meets the following requirements:

- ? Preserves the dates of Team Foundation Version Control changesets
- ? Preserves the changes dates of work items revisions
- ? Minimizes migration effort
- ? Migrates all TFS artifacts

What should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

On the TFS server:

<input type="checkbox"/> Install the TFS Java SDK. <input type="checkbox"/> Upgrade TFS to the most recent RTW release. <input type="checkbox"/> Upgrade to the most recent version of PowerShell Core.

To perform the migration:

<input type="checkbox"/> Copy the assets manually. <input type="checkbox"/> Use public API-based tools. <input type="checkbox"/> Use the TFS Database Import Service. <input type="checkbox"/> Use the TFS Integration Platform.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Upgrade TFS to the most recent RTM release.

One of the major prerequisites for migrating your Team Foundation Server database is to get your database schema version as close as possible to what is currently deployed in Azure DevOps Services.

Box 2: Use the TFS Database Import Service

In Phase 3 of your migration project, you will work on upgrading your Team Foundation Server to one of the supported versions for the Database Import Service in Azure DevOps Services.

References: Team Foundation Server to Azure DevOps Services Migration Guide

NEW QUESTION 8

- (Topic 4)

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

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

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

NOTE: Each correct selection is worth one point.

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

Answer: ABD

Explanation:

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

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

NEW QUESTION 9

HOTSPOT - (Topic 4)

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

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

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

Object to create:

- A build task
- A deployment task
- An artifacts repository

Service to use:

- WhiteSource Bolt
- Bamboo
- CMake
- Chef

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: A Build task Trigger a build

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

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

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

Box 2: WhiteSource Bolt

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

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

NEW QUESTION 10

- (Topic 4)

You use GitHub for source control.

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

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

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

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

Answer: AB

Explanation:

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

Reference:

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

NEW QUESTION 10

- (Topic 4)

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

? Two resource groups

? Four Azure virtual machines in one resource group

? Two Azure SQL databases in other resource group

You need to recommend a solution to deploy the resources.

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

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

To deploy your solution, you can use either a single template or a main template with many related templates. The related template can be either a separate file that is linked to from the main template, or a template that is nested within the main template.

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

NEW QUESTION 11

- (Topic 4)

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

The build pipeline takes approximately one day to complete.

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

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

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

Answer: BE

Explanation:

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

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

Reference:

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

NEW QUESTION 14

- (Topic 4)

Your company hosts a web application in Azure. The company uses Azure Pipelines for the build and release management of the application.

Stakeholders report that the past few releases have negatively affected system performance.

You configure alerts in Azure Monitor.

You need to ensure that new releases are only deployed to production if the releases meet defined

performance baseline criteria in the staging environment first.

What should you use to prevent the deployment of releases that fall to meet the performance baseline?

- A. an Azure Scheduler job
- B. a trigger
- C. a gate
- D. an Azure function

Answer: C

Explanation:

Scenarios and use cases for gates include:

? Quality validation. Query metrics from tests on the build artifacts such as pass rate or code coverage and deploy only if they are within required thresholds.

Use Quality Gates to integrate monitoring into your pre-deployment or post-deployment. This ensures that you are meeting the key health/performance metrics (KPIs) as your applications move from dev to production and any differences in the infrastructure environment or scale is not negatively impacting your KPIs.

Note: Gates allow automatic collection of health signals from external services, and then promote the release when all the signals are successful at the same time or stop the deployment on timeout. Typically, gates are used in connection with incident management, problem management, change management, monitoring, and external approval systems.

References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/continuous-monitoring>

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

NEW QUESTION 18

- (Topic 4)

You have an Azure DevOps organization named Contoso.

You need to recommend an authentication mechanism that meets the following requirements:

- Supports authentication from Get
- Minimizes the need to provide credentials during authentication What should you recommend?

- A. managed identities in Azure Active Directory (Azure AD)
- B. personal access tokens (PATs) in Azure DevOps
- C. user accounts in Azure Active Directory (Azure AD)
- D. Alternate credentials in Azure DevOps

Answer: B

Explanation:

Personal access tokens (PATs) give you access to Azure DevOps and Team Foundation Server (TFS), without using your username and password directly. These tokens have an expiration date from when they're created. You can restrict the scope of the data they can access. Use PATs to authenticate if you don't already have SSH keys set up on your system or if you need to restrict the permissions that are granted by the credential.

Reference:

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

NEW QUESTION 20

- (Topic 4)

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

What will Azure DevOps use to authenticate with the tool?

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

Answer: B

Explanation:

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

Reference:

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

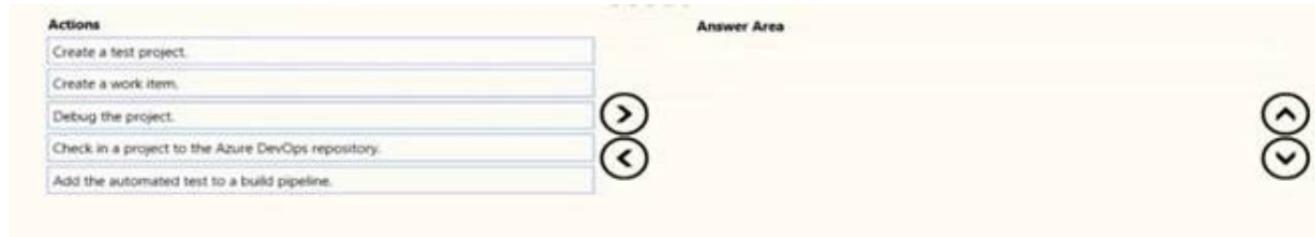
NEW QUESTION 23

DRAG DROP - (Topic 4)

You have a protect in Azure DevOps.

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

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



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

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

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

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

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

NEW QUESTION 26

- (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 31

- (Topic 4)

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

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

You manage a project in Azure DevOps.

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

- A. Yes
- B. No

Answer: B

Explanation:

Instead implement Continuous Assurance for the project.

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

Reference:

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

NEW QUESTION 32

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.

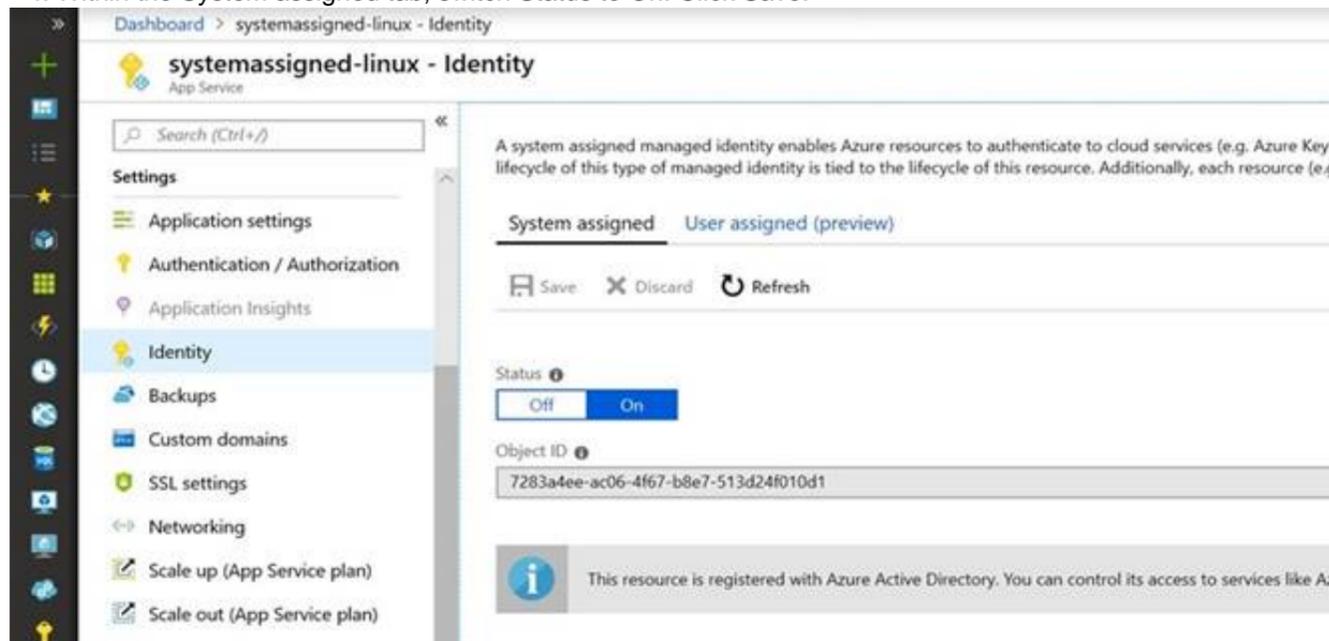
To complete this task, sign in to the Microsoft Azure portal.

- 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 36

- (Topic 4)

You plan to provision a self-hosted Linux agent

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

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

Answer: B

Explanation:

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

Reference:

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

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

NEW QUESTION 37

- (Topic 4)

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

You have an app named App1.

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

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

Answer: C

Explanation:

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

? Dependabot regularly checks dependencies for updates

? If an update is found, Dependabot creates a new branch with this upgrade and Pull Request for approval

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

Reference:

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

NEW QUESTION 40

SIMULATION - (Topic 4)

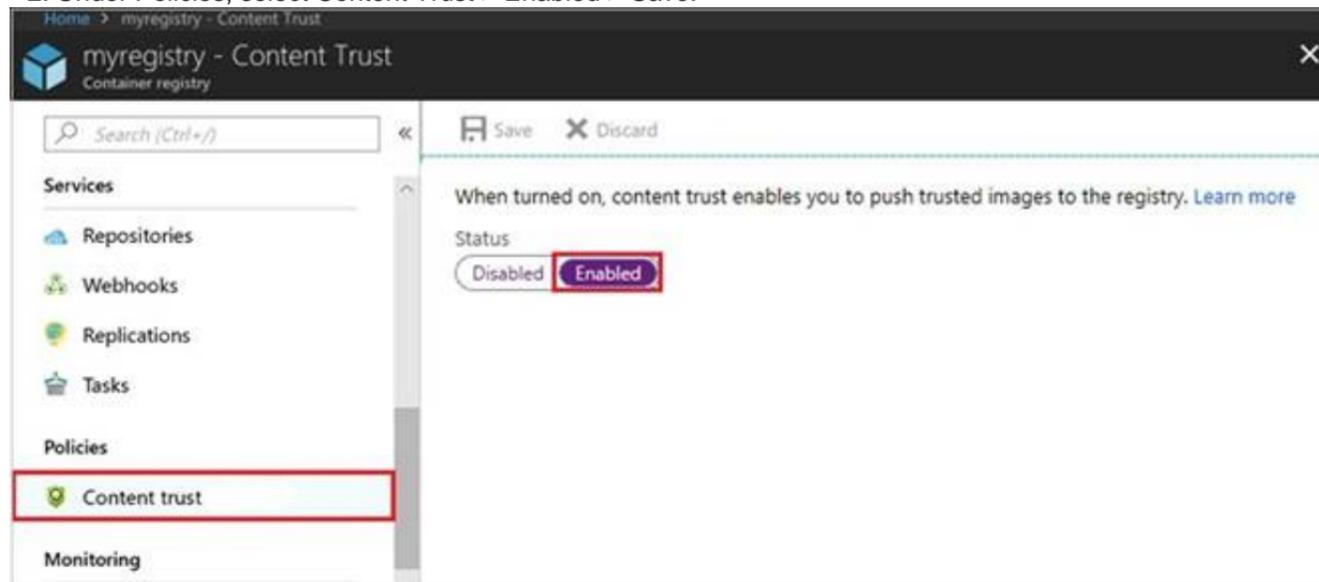
You plan to store signed images in an Azure Container Registry instance named az4009940427acr1. You need to modify the SKU for az4009940427acr1 to support the planned images. The solution must minimize costs. To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * 1. Open Microsoft Azure Portal, and select the Azure Container Registry instance named az4009940427acr1.
- * 2. Under Policies, select Content Trust > Enabled > Save.



References:

<https://docs.microsoft.com/en-us/azure/container-registry/container-registry-content-trust>

NEW QUESTION 43

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:

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

git log

git checkout [hash]-1 -- path/to/file

git restore path/to/file

NEW QUESTION 44

- (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 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 49

- (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 53

- (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 58

- (Topic 4)

You have an Azure subscription linked to a tenant in Microsoft Azure Active Directory (Azure AD), part of Entrap. The tenant is licensed for Azure AD Premium Plan 1.

A security review indicates that too many users have privileged access to resources. You need to deploy a privileged access management solution that meets the following

requirements:

- Enforces time limits on the use of privileged access
- Requires approval to activate privileged access
- Minimizes costs

What should you do first?

A. Configure alerts for the activation of privileged roles.

B. Enforce Azure Multi-Factor Authentication (MFA) for role activation.

C. Configure notifications when privileged roles are activated.

D. Upgrade the license of the Azure AD tenant.

Answer: D

NEW QUESTION 63

- (Topic 4)

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

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

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

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

? Licensing violations

? Prohibited libraries

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

A. Yes

B. No

Answer: A

Explanation:

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

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

NEW QUESTION 68

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 69

- (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 73

- (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 Post-deployment conditions, you modify the Timeout setting for post- deployment approvals.
Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Use Pre-deployments conditions instead. Use a gate instead of an approval instead.

References:

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

NEW QUESTION 77

- (Topic 4)

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

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

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

You need to recommend changes to reduce the accumulated technical debt. Solution: You recommend reducing the code complexity.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

Reference:

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

NEW QUESTION 81

- (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 deployments only if the approvals take longer than two hours.

You need to ensure that the deployments only fail if the approvals take longer than hours. Solution From Post -deployment conditions, you modify the Timeout setting for post-

deployment approvals. Does this meet the goal?

- A. Yes
- B. NO

Answer: B

NEW QUESTION 85

- (Topic 4)

You need to make a custom package available to all the developers. The package must be managed centrally, and the latest version must be available for consumption in Visual Studio automatically.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Add the package URL to the Environment settings in Visual Studio.
- B. Create a Get repository in Azure Repos.
- C. Add the package URL to the Get Package Manager settings in Visual Studio.
- D. Upload a package to a Get repository.
- E. Create a new feed in Azure Artifacts.
- F. Publish the package to a feed.

Answer: ABE

NEW QUESTION 89

DRAG DROP - (Topic 4)

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

You need to integrate Extra beam and Azure. The solution must use OAuth authentication. Which three actions should you perform in sequence? To answer, move the appropriate

actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Answer Area

Upload a certificate.		
Create a client secret.	➤	1
Register an Exabeam application in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.	➤	2
Configure the Exabeam Azure cloud connector.	➤	3
Configure API permissions.		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Upload a certificate.		
Create a client secret.	➤	1
Register an Exabeam application in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.	➤	2
Configure the Exabeam Azure cloud connector.	➤	3
Configure API permissions.		

NEW QUESTION 94

DRAG DROP - (Topic 4)

You need to recommend a solution for deploying charts by using Helm and Tiller to Azure Kubemets 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 97

- (Topic 4)

You use WhiteSource Bolt to scan a Node.js application.

The WhiteSource Bolt scan identifies numerous libraries that have invalid licenses. The libraries are used only during development and are not part of a production deployment.

You need to ensure that WhiteSource Bolt only scans production dependencies.

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

- A. Run npm install and specify the --production flag.
- B. Modify the WhiteSource Bolt policy and set the action for the licenses used by the development tools to Reassign.
- C. Modify the devDependencies section of the project's Package.json file.
- D. Configure WhiteSource Bolt to scan the node_modules directory only.

Answer: AC

Explanation:

A: To resolve NPM dependencies, you should first run "npm install" command on the relevant folders before executing the plugin.

C: All npm packages contain a file, usually in the project root, called package.json - this file holds various metadata relevant to the project. This file is used to give information to npm that allows it to identify the project as well as handle the project's dependencies. It can also contain other metadata such as a project description, the version of the project in a particular distribution, license information, even configuration data - all of which can be vital to both npm and to the end users of the package.

Reference: <https://whitesource.atlassian.net/wiki/spaces/WD/pages/34209870/NPM+Plugin>

<https://nodejs.org/en/knowledge/getting-started/npm/what-is-the-file-package-json>

NEW QUESTION 102

- (Topic 4)

You plan to onboard 10 new developers.

You need to recommend a development environment that meets the following requirements:

- ? Integrates with GitHub
 - ? Provides integrated debugging tools
 - ? Supports remote workers and hot-desking environments
 - ? Supports developers who use browsers, tablets, and Chromebooks
- What should you recommend?

- A. VS Code
- B. Xamarin Studio
- C. Mono Develop
- D. Github/Visual Studio Code spaces

Answer: D

Explanation:

Visual Studio Code spaces is built to accommodate the widest variety of projects or tasks, including GitHub and integrating debugging.

Visual Studio Code spaces conceptually and technically extends the Visual Studio Code Remote Development extensions.

In addition to "backend" environments, Visual Studio Code spaces supports these "frontend" editors:

- ? Visual Studio Code
- ? Visual Studio Code-based editor in the browser

Reference:

<https://docs.microsoft.com/sv-se/visualstudio/codespaces/overview/what-is-vsonline>

NEW QUESTION 107

HOTSPOT - (Topic 4)

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

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

NOTE: Each correct selection is worth one point.

JIRA: ▼
 Boards
 Build pipelines
 Release pipelines
 Repos

Jenkins: ▼
 Boards
 Build pipelines
 Release pipelines
 Repos

Octopus: ▼
 Boards
 Build pipelines
 Release pipelines
 Repos

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

JIRA- Board Jenkins- Build Pipelines Octopus- Release pipelines

NEW QUESTION 110

DRAG DROP - (Topic 4)

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

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

Which release strategy should you use for each application? To answer, drag the appropriate release strategies to the correct applications. Each release strategy may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Release Strategies

Blue/Green deployment

Canary deployment

Rolling deployment

Answer Area:

App1:

App2:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

App1: Canary deployment

With canary deployment, you deploy a new application code in a small part of the production infrastructure. Once the application is signed off for release, only a few users are routed to it. This minimizes any impact.

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

App2: Rolling deployment:

In a rolling deployment, an application's new version gradually replaces the old one. The actual deployment happens over a period of time. During that time, new

and old versions will coexist without affecting functionality or user experience. This process makes it easier to roll back any new component incompatible with the old components.

NEW QUESTION 114

- (Topic 4)

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

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

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

NOTE: Each correct selection is worth one point.

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

Answer: AB

Explanation:

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

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

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

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

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

NEW QUESTION 115

- (Topic 4)

You have a project in Azure DevOps named Project1 that references an Azure Artifacts feed named Feed1. You have a package named Package1 that has the versions shown in the following table.

Version	Description
1.0.3	Manually pushed to Feed1
1.4.0	Manually pushed to Feed1
2.0.0	Available from an upstream source
2.3.1	Saved from an upstream source

You need to perform a build of Project1. Which version of Package1 will be used?

- A. 1.0.3
- B. 1.4.0
- C. 2.0.0
- D. 2.3.1

Answer: D

NEW QUESTION 117

- (Topic 4)

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

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

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

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

? Licensing violations

? Prohibited libraries

Solution: You implement continuous 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/vstsextend/whitesource/>

NEW QUESTION 118

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 121

- (Topic 4)

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

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

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

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

? Licensing violations

? Prohibited libraries

Solution: You implement automated security testing.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead use implement continuous integration.

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

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

NEW QUESTION 126

- (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. Ansible
- B. Maven
- C. WhiteSource Bolt
- D. Helm

Answer: C

Explanation:

WhiteSource provides WhiteSource Bolt, a lightweight open source security and management solution developed specifically for integration with Azure DevOps

and Azure DevOps Server.

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.

Note: Blackduck would also be a good answer, but it is not an option here. Reference:
<https://www.azuredevopslabs.com/labs/vstsextend/whitesource/>

NEW QUESTION 127

DRAG DROP - (Topic 4)

You have a private project in Azure DevOps and two users named User1 and User2. You need to add User1 and User2 to groups to meet the following requirements:

- ? User1 must be able to create a code wiki.
- ? User2 must be able to edit wiki pages.
- ? The solution must use the principle of least privilege.

To which group should you add each user? To answer, drag the appropriate groups to the correct users. Each group 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.

Groups

- Build Administrators
- Contributors
- Project Administrators
- Project Valid Users
- Stakeholders

Answer Area

User1:

User2:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

User1: Project Administrators

You must have the permission Create Repository to publish code as wiki. By default, this permission is set for members of the Project Administrators group.

User2: Contributors

Anyone who is a member of the Contributors security group can add or edit wiki pages. Anyone with access to the team project, including stakeholders, can view the wiki.

NEW QUESTION 128

DRAG DROP - (Topic 4)

Your company has a project in Azure DevOps.

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

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

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

NOTE: Each correct selection is worth one point.

Configurations

Answer Area

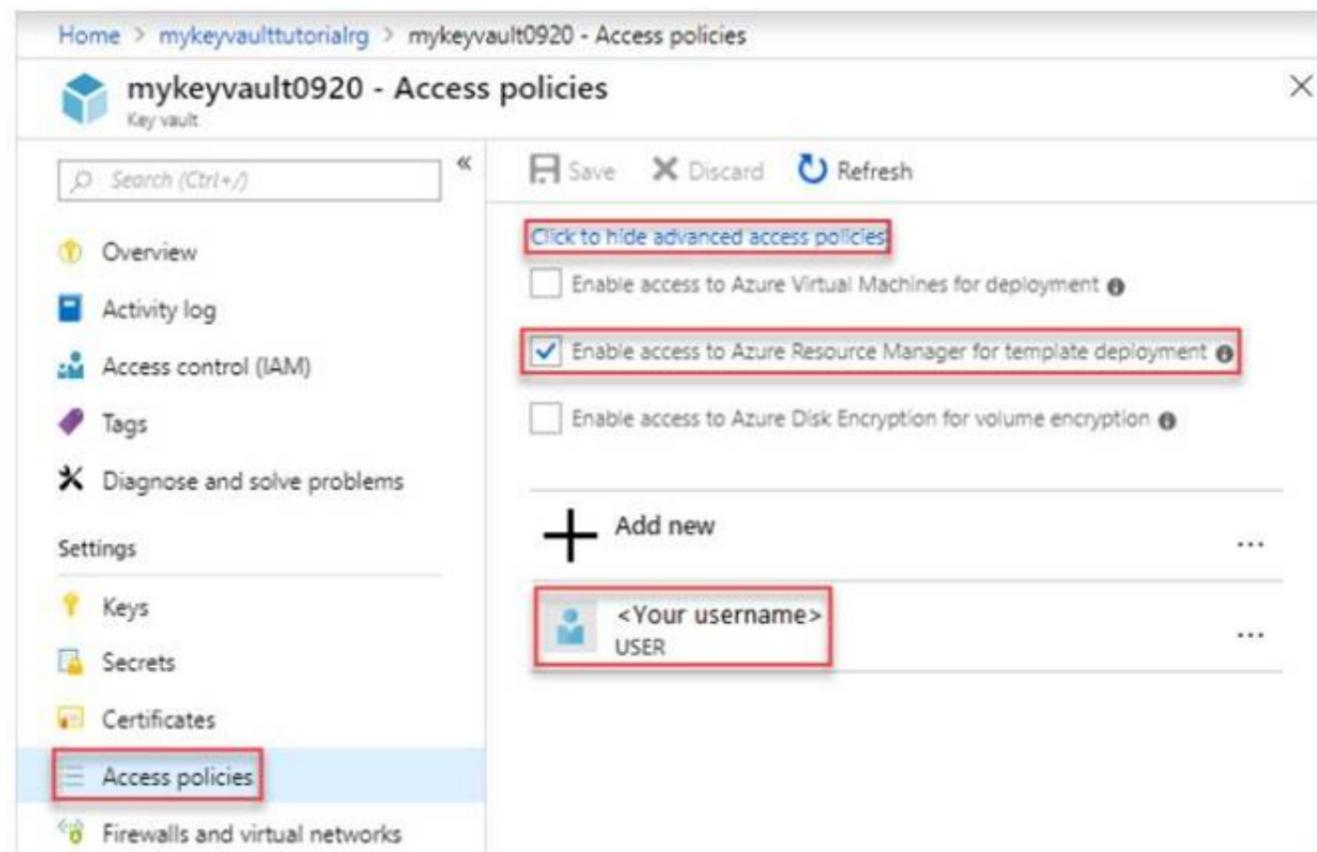
A Key Vault access policy	Enable key vaults for template deployment by using: <input type="text"/>
A Key Vault advanced access policy	Restrict access to the secrets in Key Vault by using: <input type="text"/>
RBAC	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: A key Vault advanced access policy



Box 2: RBAC

Management plane access control uses RBAC.

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

- ? Creating or deleting a key vault.
- ? Getting a list of vaults in a subscription.
- ? Retrieving Key Vault properties (such as SKU and tags).
- ? Setting Key Vault access policies that control user and application access to keys and secrets.

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

NEW QUESTION 132

HOTSPOT - (Topic 4)

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

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

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

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



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Markdown (.md)

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

Box 2: Mermaid diagrams

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

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

NEW QUESTION 134

- (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 Continuous deployment trigger settings of the release pipeline, you enable the Pull request trigger setting.

Does the meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

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 136

HOTSPOT - (Topic 4)

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

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

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

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

Answer Area

From the code repository of webapp1:

- Modify ApplicationInsights.config.
- Disable adaptive sampling.
- Enable fixed-rate sampling.
- Modify ApplicationInsights.config.

From AppInsights1:

- Modify the Usage and estimated costs settings.
- Configure Continuous export.
- Configure the Smart Detection settings.
- Modify the Usage and estimated costs settings.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

From the code repository of webapp1:

- Modify ApplicationInsights.config.
- Disable adaptive sampling.
- Enable fixed-rate sampling.
- Modify ApplicationInsights.config.

From AppInsights1:

- Modify the Usage and estimated costs settings.
- Configure Continuous export.
- Configure the Smart Detection settings.
- Modify the Usage and estimated costs settings.

NEW QUESTION 139

- (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 Azure Pipelines, add a Publish Build Artifacts task to Project1.
- C. From Microsoft Teams, run @azure pipelines subscriptions.
- D. From Azure Pipelines, enable continuous integration for Project1.

Answer: A

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 142

HOTSPOT - (Topic 4)

You have a project Azure DevOps.

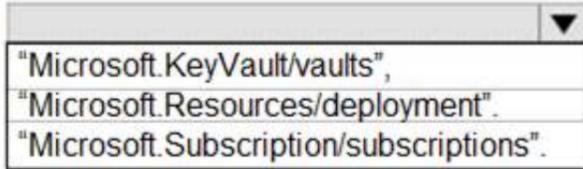
You plan to create a build pipeline that will deploy resources by using Azure Resource Manager templates. The templates will reference secrets stored in Azure Key Vault.

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 the 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",
      "template": {
        "deployment": {
          "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 143

DRAG DROP - (Topic 4)

You have an Azure Key Vault that contains an encryption key named key1. You plan to create a Log Analytics workspace that will store logging data. You need to encrypt the workspace by using key1.

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

Actions	Answer Area
Register the Azure subscription to allow cluster creation.	
Enable soft delete for the key vault.	
Create a Log Analytics cluster.	
Grant permissions to the key vault.	
Link the workspace.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions	Answer Area
Register the Azure subscription to allow cluster creation.	
Enable soft delete for the key vault.	
Create a Log Analytics cluster.	
Grant permissions to the key vault.	
Link the workspace.	

NEW QUESTION 148

- (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 151

DRAG DROP - (Topic 4)

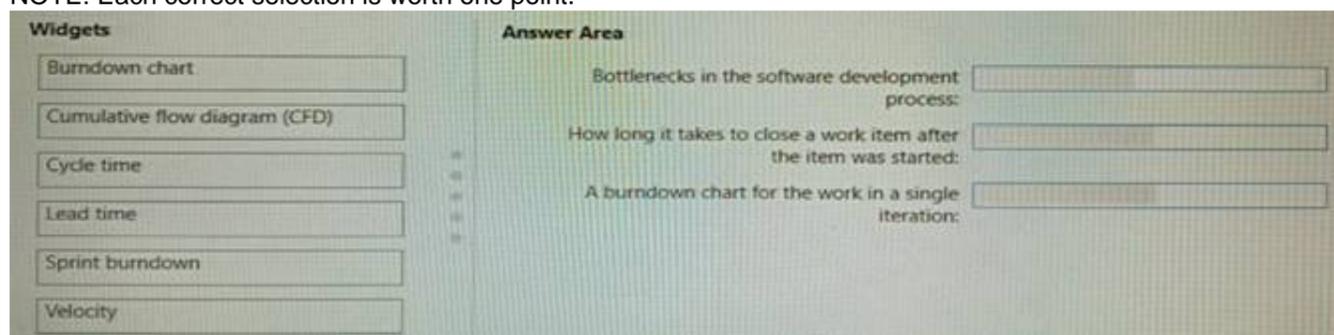
You have a project in Azure DevOps.

You need to configure a dashboard. The solution must include the following metrics:

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

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

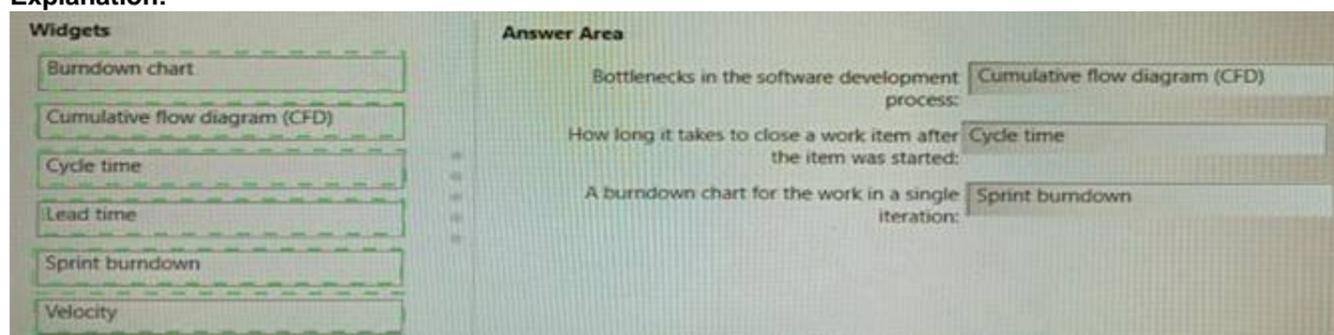
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 152

- (Topic 4)

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

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

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

NOTE: Each correct selection is worth one point.

- A. an Azure Monitor alert that has a dynamic threshold
- B. an Azure Automation runbook
- C. an Azure Monitor alert that uses an action group that has an email action
- D. the Azure Monitor autoscale settings
- E. an Azure Monitor alert that has a static threshold

Answer: BC

NEW QUESTION 153

- (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 155

- (Topic 4)

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

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

What should you do?

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

Answer: A

Explanation:

There are three types of Application Insights availability tests:

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

? Multi-step web test

? Custom Track Availability Tests

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

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

Reference:

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

NEW QUESTION 160

- (Topic 4)

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

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

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

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

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

? Integrate directly with Azure DevOps.

What should you recommend?

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

Answer: D

Explanation:

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

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

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

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

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

? Teams integrates with Azure DevOps.

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

NEW QUESTION 165

- (Topic 4)

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

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

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

Answer: A

Explanation:

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

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

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

NEW QUESTION 169

- (Topic 4)

Your company develops an app for OS. All users of the app have devices that are members of a private distribution group in Microsoft Visual Studio App Center. You plan to distribute a new release of the app. You need to identify which certificate file you require to distribute the new release from App Center. Which file type should you upload to App Center?

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

Answer: D

Explanation:

A successful IOS device build will produce an ipa file. In order to install the build on a device, it needs to be signed with a valid provisioning profile and certificate. To sign the builds produced from a branch, enable code signing in the configuration pane and upload a provisioning profile (.mobileprovision) and a valid certificate (.p12), along with the password for the certificate.

References:

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

NEW QUESTION 174

- (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

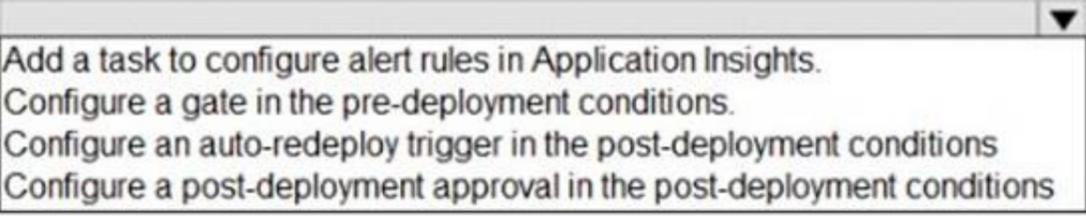
Explanation:

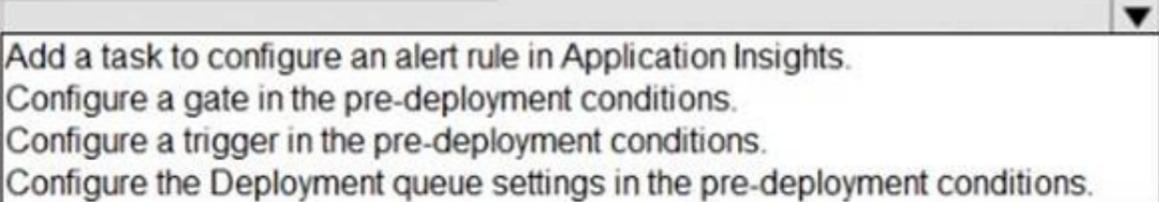
Get started with Python packages in Azure Artifacts Create a feed ? Select Artifacts (in the left navigation of your Azure DevOps project). ? On the Artifacts page, select Create Feed. ? In the Create new feed dialog box: ? In the Name field, give the feed a name. PyPI is the default repository name 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 176

HOTSPOT - (Topic 4)

You have a project in Azure DevOps that contains a release pipeline. The pipeline contains two stages named QA and Prod. QA deploys code to an Azure web app named webapp1. Prod deploys code to an Azure web app named webapp2. You need to ensure that code deployments to webapp2 are blocked if Azure Application Insights generates Failed requests alerts following the deployment of new code to webapp1. What should you do for each stage? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

QA: 

Prod: 

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

QA:

Prod:

NEW QUESTION 177

HOTSPOT - (Topic 4)

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

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

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

NOTE: Each correct selection is worth one point.

Service connection type:
 Azure Resource Manager
 Generic service
 Team Foundation Server / Azure Pipelines service connection

Authentication/authorization method for the connection:
 Azure Active Directory OAuth 2.0
 Grant authorization
 Managed Service Identity Authentication

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Pipelines service connection

Box 2: Managed Service Identity Authentication

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

NEW QUESTION 181

- (Topic 4)

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

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

You plan to create a release pipeline that will deploy Azure resources by using Azure Resource Manager templates. The release pipeline will create the following resources:

- ? Two resource groups
- ? Four Azure virtual machines in one resource group
- ? Two Azure SQL databases in other resource group

You need to recommend a solution to deploy the resources.

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

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

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

NEW QUESTION 182

- (Topic 4)

You have an existing build pipeline in Azure Pipelines.

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

What should you use?

- A. a File Transform task
- B. a self-hosted agent
- C. Microsoft-hosted parallel jobs

Answer: B

Explanation:

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

Reference:

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

NEW QUESTION 186

SIMULATION - (Topic 4)

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

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

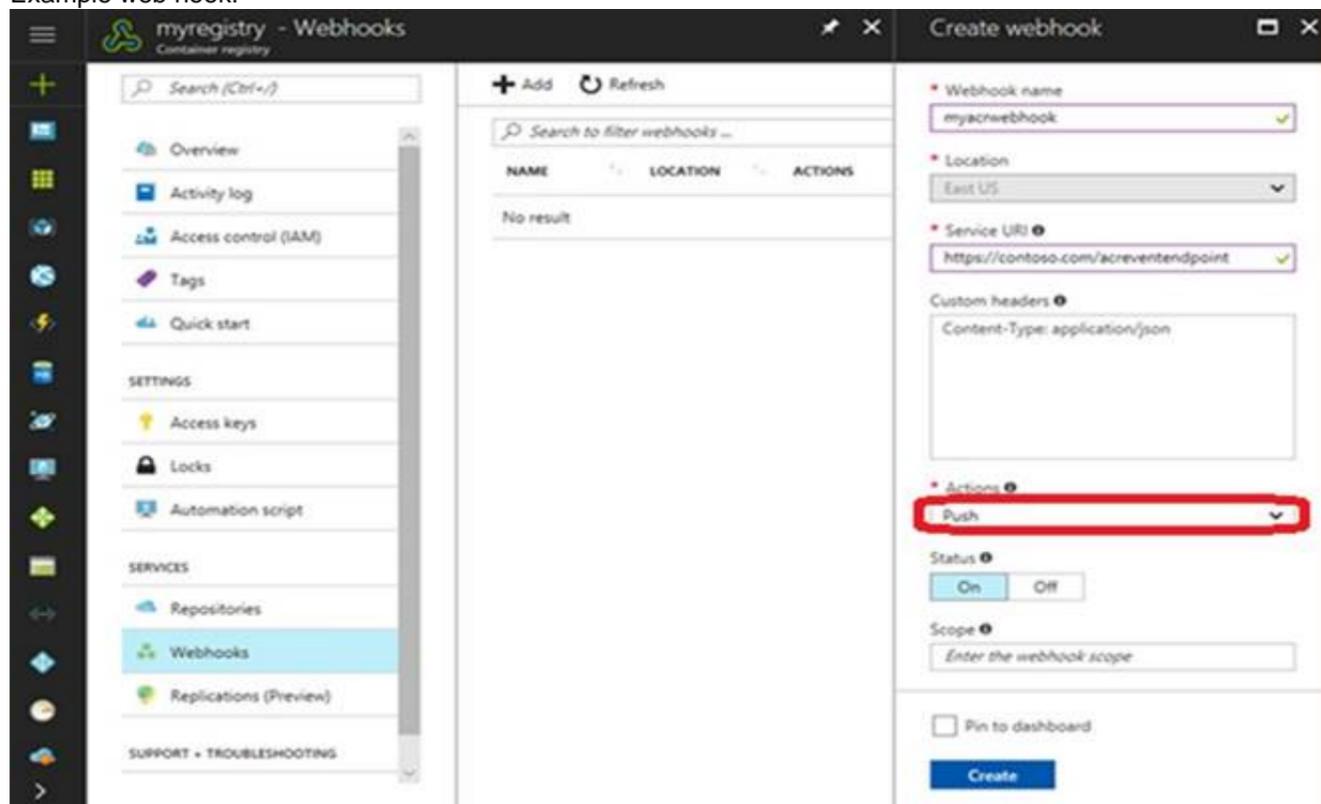
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- ? Sign in to the Azure portal.
- ? Navigate to the container registry az40010480345acr1.
- ? Under Services, select Webhooks.
- ? Select the existing webhook <https://contoso.com/statushook>, and double-click on it to get its properties.
- ? For Trigger actions select image push

Example web hook:



NEW QUESTION 189

- (Topic 4)

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

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

Which Azure Log Analytics solution should you use?

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

Answer: C

Explanation:

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

ITSMC supports connections with the following ITSM tools: ServiceNow

System Center Service Manager Provance

Cherwell

With ITSMC, you can

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

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

Reference:

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

NEW QUESTION 190

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

git | helper-script > changes.txt

- 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 195

SIMULATION - (Topic 4)

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

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

With the storage account ready, you can configure backs up in the web app or App Service.

? Open the App Service az400-11566895-main, which you want to protect, in the Azure Portal and browse to Settings > Backups. Click Configure and a Backup Configuration blade should appear.

? Select the storage account.

? Click + to create a private container. You could name this container after the web app or App Service.

? Select the container.

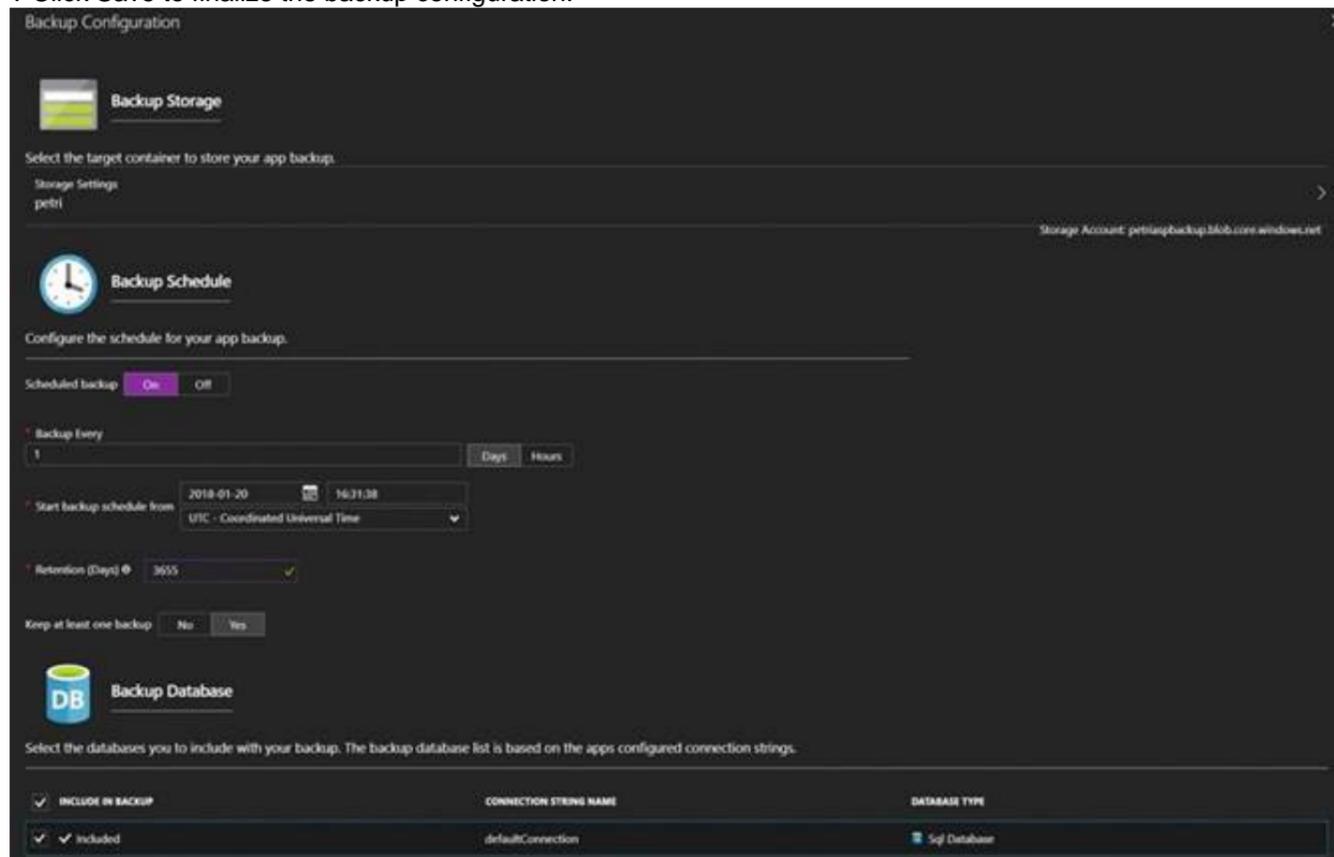
? If you want to schedule backups, then set Scheduled Backup to On and configure a schedule: every five hours

? Select your retention. Note that 0 means never delete backups.

? Decide if at least one backup should always be retained.

? Choose if any connected databases should be included in the web app backup.

? Click Save to finalize the backup configuration.



NEW QUESTION 199

- (Topic 4)

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

WebApp1. WebApp1 uses state full sessions.

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

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

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

NOTE: Each correct selection is worth one point.

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

Answer: BCD

NEW QUESTION 201

DRAG DROP - (Topic 4)

You have an Azure subscription that uses Azure Monitor and contains a Log Analytics workspace.

You have an encryption key.

You need to configure Azure Monitor to use the key to encrypt log data

Actions	Answer Area
Grant the system-assigned managed identity Certificate permissions for the key vault.	1
Create an Azure key vault and store the key.	2
Configure the key vault properties for the cluster.	3
Grant the system-assigned managed identity Key permissions for the key vault.	4
Create an Azure Monitor Logs dedicated cluster that has a system-assigned managed identity.	5
Link the Log Analytics workspace to the cluster.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions	Answer Area
Grant the system-assigned managed identity Certificate permissions for the key vault.	1
Create an Azure key vault and store the key.	2
Configure the key vault properties for the cluster.	3
Grant the system-assigned managed identity Key permissions for the key vault.	4
Create an Azure Monitor Logs dedicated cluster that has a system-assigned managed identity.	5
Link the Log Analytics workspace to the cluster.	

NEW QUESTION 202

DRAG DROP - (Topic 4)

You have an Azure Kubernetes Service (AKS) implementation that is RBAC-enabled

You plan to use Azure Container Instances as a hosted development environment to run containers in the AKS implementation.

You need to conjure Azure Container Instances as a hosted environment for running me containers in AKS. Which three actions should you perform m 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 <code>helm init.</code>	
Run <code>az aks install-connector.</code>	
Create a YAML file.	
Run <code>az role assignment create</code>	
Run <code>kubectl apply.</code>	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Create a YAML file.

If your AKS cluster is RBAC-enabled, you must create a service account and role binding for use with Tiller. To create a service account and role binding, create a file named rbac- virtual-kubelet.yaml

Step 2: Run kubectl apply.

Apply the service account and binding with kubectl apply and specify your rbac-virtual- kubelet.yaml file.

Step 3: Run helm init.

Configure Helm to use the tiller service account: helm init --service-account tiller

You can now continue to installing the Virtual Kubelet into your AKS cluster. References: <https://docs.microsoft.com/en-us/azure/aks/virtual-kubelet>

NEW QUESTION 207

DRAG DROP - (Topic 4)

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

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

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

Actions	Answer Area
Onboard the virtual machines to Azure Automation State Configuration.	
Check the compliance status of the node.	
Create a management group.	
Assign the node configuration.	
Compile a configuration into a node configuration.	
Upload a configuration to Azure Automation State Configuration.	
Assign tags to the virtual machines.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Assign the node configuration.

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

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

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

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

Step 4: Onboard the virtual machines to Azure State Configuration

Onboarding an Azure VM for management with Azure Automation State Configuration

Step 5: Check the compliance status of the node.

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

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

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

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

NEW QUESTION 212

- (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 Ubuntu agent pool. Include the Java Tool Installer task in the build pipeline. Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 215

- (Topic 4)

You have a private GitHub repository.

You need to display the commit status of the repository on Azure Boards. What should you do first?

- A. Create a GitHub action in GitHub.
- B. Add the Azure Pipelines app to the GitHub repository.
- C. Configure multi-factor authentication (MFA) for your GitHub account.
- D. Add the Azure Boards app to the repository.

Answer: D

Explanation:

To connect Azure Boards to GitHub.com, connect and configure from Azure Boards. Or, alternatively, install and configure the Azure Boards app from GitHub. Both methods have been streamlined and support authenticating and operating via the app rather than an individual.

Note (see step 4 below): Add a GitHub connection:

? Sign into Azure Boards.

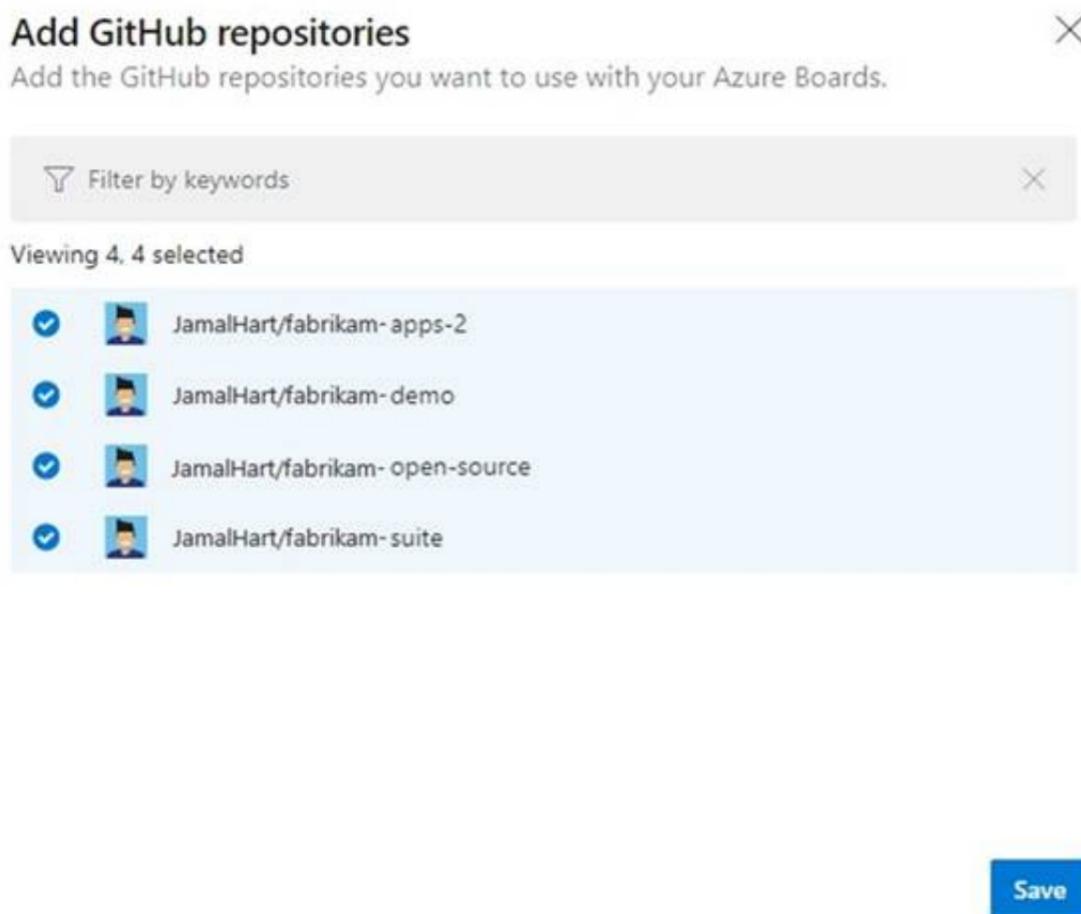
? Choose (1) Project Settings, choose (2) GitHub connections and then (3) Connect your GitHub account.

? If this is your first time connecting to GitHub from Azure Boards, you will be asked

to sign in using your GitHub credentials. Choose an account for which you are an administrator for the repositories you want to connect to.

? The Add GitHub Repositories dialog automatically displays and selects all

GitHub.com repositories for which you are an administrator. Unselect any repositories that you don't want to participate in the integration.



Reference:

<https://docs.microsoft.com/en-us/azure/devops/boards/github/connect-to-github>

NEW QUESTION 218

- (Topic 4)

Your company has a project in Azure DevOps for a new application. The application will be deployed to several Azure virtual machines that run Windows Server 2016.

You need to recommend a deployment strategy for the virtual machines. The strategy must meet the following requirements:

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

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

Answer: C

Explanation:

The Custom Script Extension downloads and executes scripts on Azure virtual machines. This extension is useful for post deployment configuration, software installation, or any other configuration or management tasks. Scripts can be downloaded from Azure storage or GitHub, or provided to the Azure portal at extension run time. The Custom Script Extension integrates with Azure Resource Manager templates, and can be run using the Azure CLI, PowerShell, Azure portal, or the Azure Virtual Machine REST API.

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/extensions/custom-script-windows>

NEW QUESTION 222

DRAG DROP - (Topic 4)

You are implementing a new project in Azure DevOps.

You need to assess the performance of the protect. The solution must identify the following metrics:

- How long it takes to complete a work item
- * The percentage of defects found in production

Which DevOps KPI should you review for each metric? To answer drag the appropriate KPIs to the correct metric. Each KPI may be used once, more than once, or not at all. You may need to drag the spirit 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 223

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 spirit 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 224

- (Topic 4)

You have a GitHub repository that is integrated with Azure Boards. Azure Boards has a work item that has the number 715. You need to ensure that when you commit source code in GitHub, the work item is updated automatically. What should you include in the commit comments?

- A. @714
- B. =715
- C. the URL of the work item
- D. AB#715

Answer: B

NEW QUESTION 225

- (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 227

- (Topic 4)

You are developing an open source solution that uses a GitHub repository. You create a new public project in Azure DevOps. You plan to use Azure Pipelines for continuous build. The solution will use the GitHub Checks API. Which authentication type should you use?

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

Answer: C

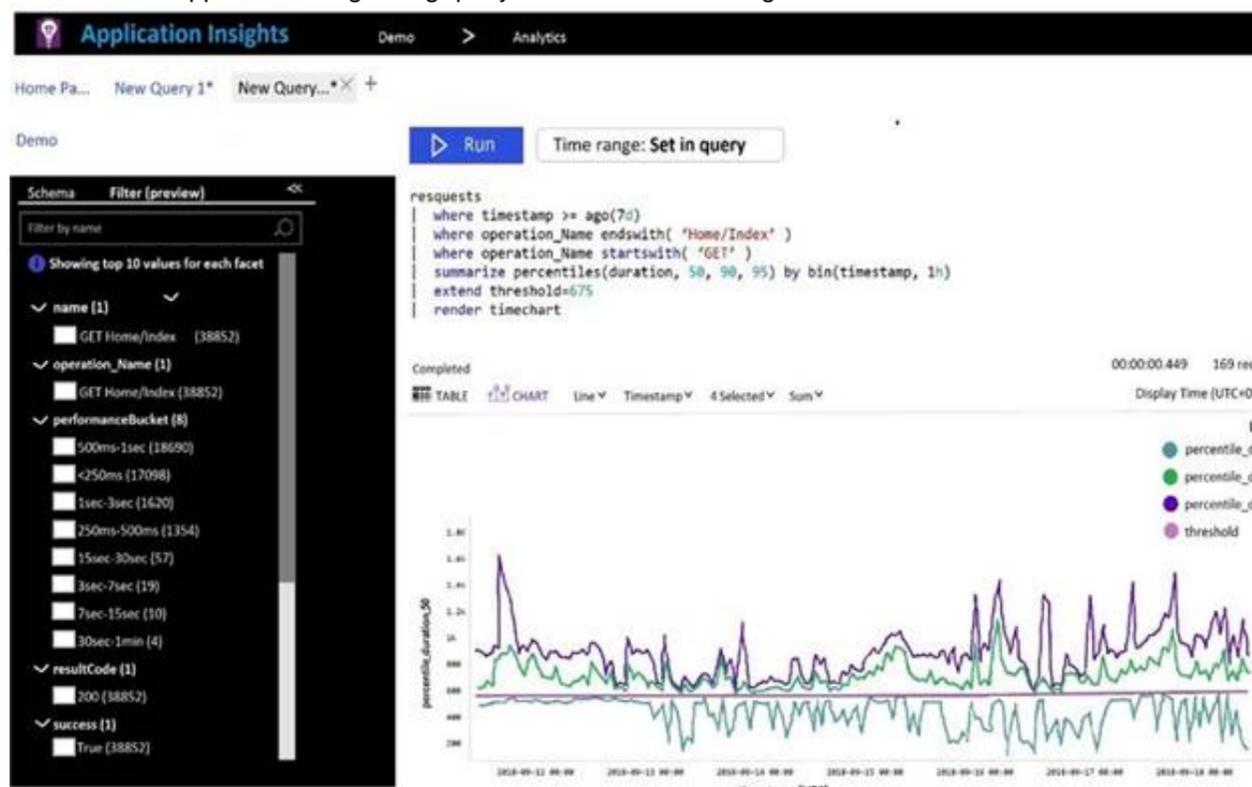
Explanation:

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

NEW QUESTION 232

HOTSPOT - (Topic 4)

You plan to create alerts that will be triggered based on the page load performance of a home page. You have the Application Insights log query shown in the following exhibit.



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

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

	▼
percentile_duration_50	
percentile_duration_90	
percentile_duration_95	
threshold	

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

	▼
item Type	
resultCode	
source	
success	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Timeline
 Description automatically generated with low confidence Box 1: percentile_duration_95
 Box 2: success For example – requests
 | project name, url, success
 | where success == "False"
 This will return all the failed requests in my App Insights within the specified time range.

NEW QUESTION 237

- (Topic 4)
 You have an Azure subscription. The subscription contains virtual machines that run either Windows Server or Linux. You plan to use Prometheus to monitor performance metrics. You need to integrate Prometheus and Azure Monitor. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Install a Prometheus server on a Windows virtual machine in Azure.
- B. On each virtual machine, expose the metrics endpoint.
- C. On each virtual machine, enable the Azure Diagnostics extension.
- D. On each virtual machine, enable the containerized agent for Azure Monitor.
- E. Expose a virtual network service endpoint for Azure Storage.
- F. Install a Prometheus server on a Linux virtual machine in Azure.

Answer: AB

NEW QUESTION 242

- (Topic 4)
 You use GitHub for source control and Azure Boards for project management. GitHub and Azure Boards are integrated. You plan to create a pull request in GitHub. You need to automatically link the request to an existing Azure Boards work item by using the text of AB#<WORKITEMNUMBER>. To which two elements can you add the text? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. milestone
- B. comment
- C. title
- D. description
- E. label

Answer: CD

Explanation:

You can add the text "AB#<WORKITEMNUMBER>" to the title or description of the pull request in GitHub, which will automatically link the request to an existing Azure Boards work item with that number.

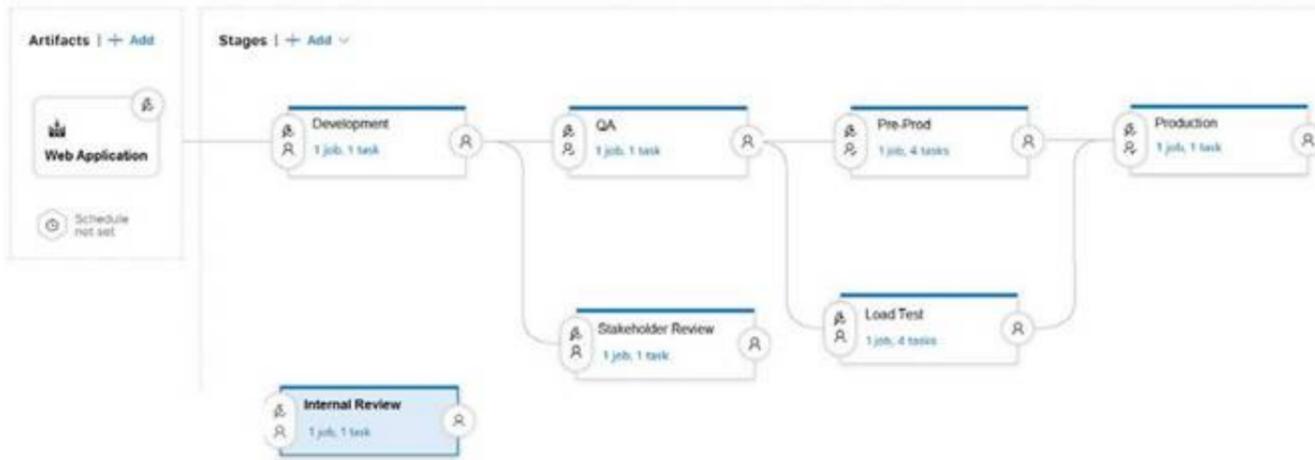
Reference:

Azure DevOps Docs: Link a work item to a pull request <https://docs.microsoft.com/en-us/azure/devops/repos/git/pull-requests?view=azure-devops#link-a-work-item-to-a-pull-request>

GitHub Docs: Creating a pull request <https://docs.github.com/en-us/github/collaborating-with-issues-and-pull-requests/creating-a-pull-request>

NEW QUESTION 246

HOTSPOT - (Topic 4)
 You are configuring a release pipeline in Azure DevOps as shown in the exhibit.



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

How many stages have triggers set?

0
1
2
3
4
5
6
7

Which component should you modify to enable continuous delivery?

The Development stage
The Internal Review stage
The Production stage
The Web Application artifact

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 5
 There are five stages: Development, QA, Pre-production, Load Test and Production. They all have triggers.
 Box 2: The Internal Review stage
 References: <https://docs.microsoft.com/en-us/azure/devops/pipelines/release/triggers>

NEW QUESTION 248

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 253

HOTSPOT - (Topic 4)

You are finalizing a release in GitHub.

You need to apply the following labels to the release:

? Name

? Email

? Release v3.0

? Release date

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

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1; tag

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

Box 2: -a

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

Example:

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

Box 3: -m

NEW QUESTION 258

DRAG DROP - (Topic 4)

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

You need to create a Dockerfile file to build the image. The solution must ensure that the size of the image is minimized.

How should you configure the file? To answer, drag the appropriate values to the correct targets. Each value must be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: microsoft.com/dotnet/sdk:2.3

The first group of lines declares from which base image we will use to build our container on top of. If the local system does not have this image already, then docker will automatically try and fetch it. The mcr.microsoft.com/dotnet/core/sdk:2.1 comes packaged with the .NET core 2.1 SDK installed, so it's up to the task of building ASP .NET core projects targeting version 2.1

Box 2: dotnet restore

The next instruction changes the working directory in our container to be /app, so all commands following this one execute under this context.

COPY *.csproj ./ RUN dotnet restore

Box 3: microsoft.com/dotnet/2.2-aspnetcore-runtime

When building container images, it's good practice to include only the production payload and its dependencies in the container image. We don't want the .NET core SDK included in our final image because we only need the .NET core runtime, so the dockerfile is written to use a temporary container that is packaged with the SDK called build-env to build the app.

NEW QUESTION 262

SIMULATION - (Topic 4)

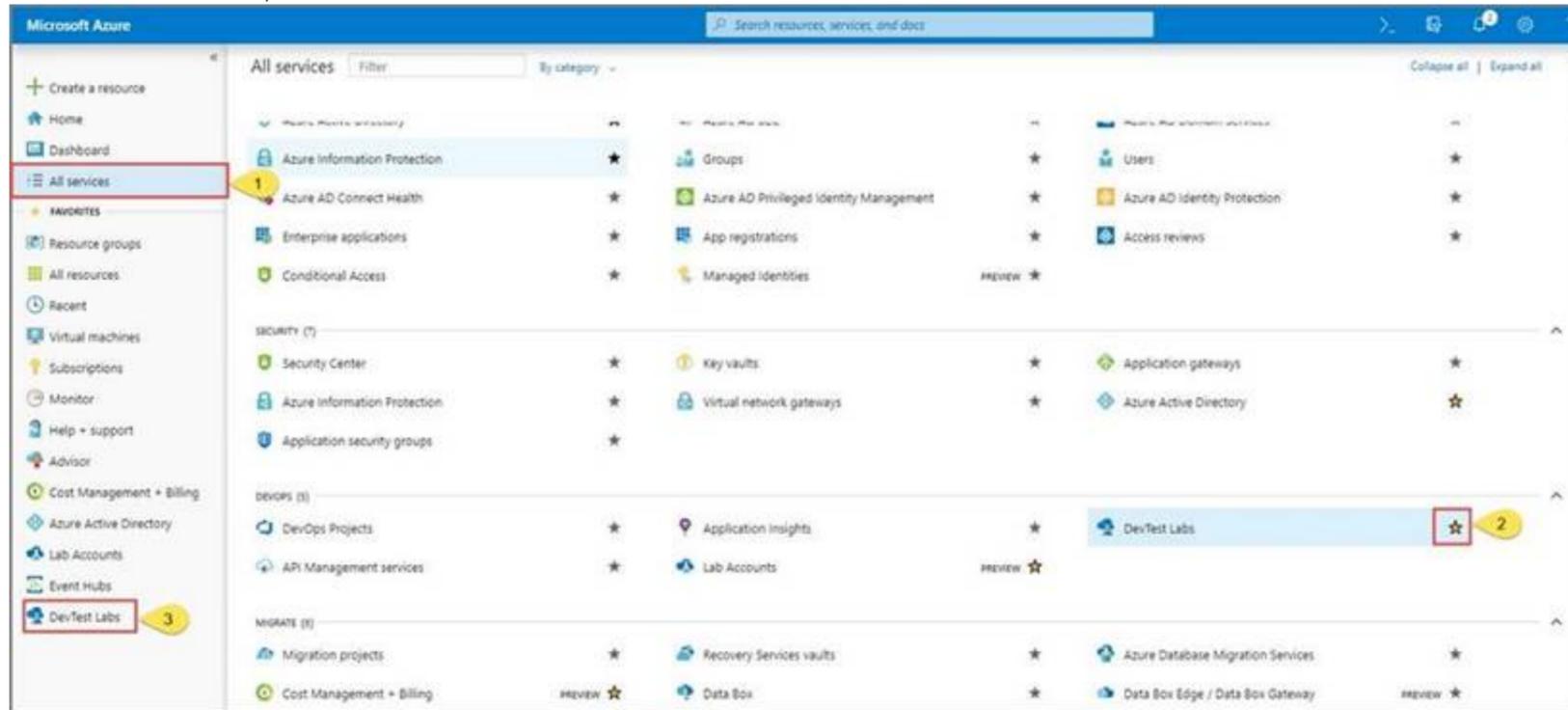
You need to create a virtual machine template in an Azure DevTest Labs environment named az400-9940427-dtl1. The template must be based on Windows Server 2016 Datacenter. Virtual machines created from the template must include the selenium tool and the Google Chrome browser. To complete this task, sign 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 264

SIMULATION - (Topic 4)

SIMULATION

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

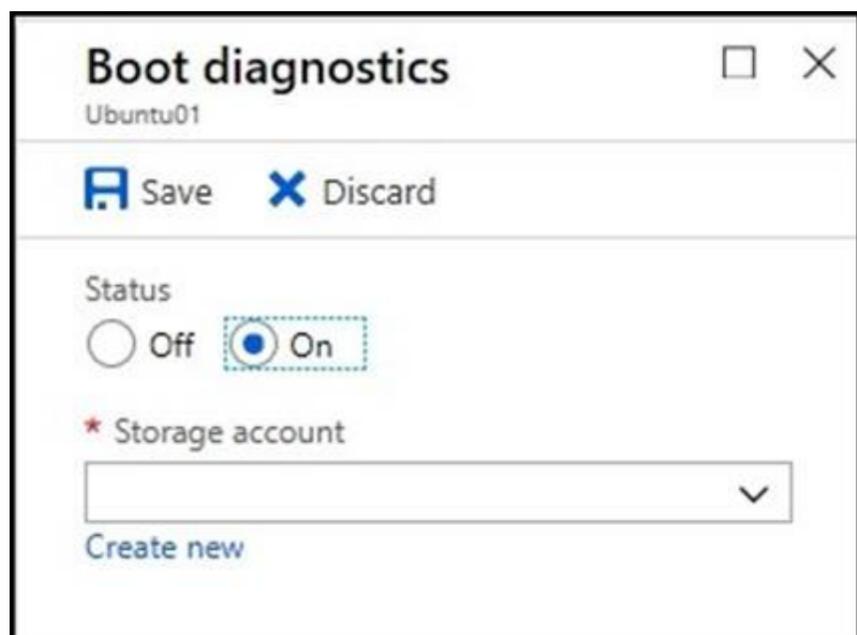
To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- Step 1: To create a general-purpose v2 storage account in the Azure portal, follow these steps:
 On the Azure portal menu, select All services. In the list of resources, type Storage Accounts. As you begin typing, the list filters based on your input. Select Storage Accounts. On the Storage Accounts window that appears, choose Add.
 Select the subscription in which to create the storage account. Under the Resource group field, select RG1lod11566895
 Next, enter a name for your storage account named: az400lod11566895stor Select Create.
- Step 2: Enable boot diagnostics on existing virtual machine
 To enable Boot diagnostics on an existing virtual machine, follow these steps: Sign in to the Azure portal, and then select the virtual machine VM1.
 In the Support + troubleshooting section, select Boot diagnostics, then select the Settings tab.
 In Boot diagnostics settings, change the status to On, and from the Storage account drop- down list, select the storage account az400lod11566895stor.
 Save the change.



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

NEW QUESTION 266

- (Topic 4)

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

What should you use?

- A. Cobertura
- B. Bullseye Coverage
- C. MSTest
- D. Coverlet

Answer: A

Explanation:

Use Publish Code Coverage Results task in a build pipeline to publish code coverage results to Azure Pipelines or TFS, which were produced by a build in Cobertura or JaCoCo format.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/test/publish-code-coverage- results>

NEW QUESTION 268

- (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 272

- (Topic 4)

You have several Azure Active Directory (Azure AD) accounts.

You need to ensure that users use multi-factor authentication (MFA) to access Azure apps from untrusted networks.

What should you configure in Azure AD?

- A. access reviews
- B. managed identities
- C. entitlement management
- D. conditional access

Answer: D

Explanation:

You can configure a Conditional Access policy that requires MFA for access from untrusted networks.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/howto-conditional-access-policy-all-users-mfa>

NEW QUESTION 273

DRAG DROP - (Topic 4)

You need to find and isolate shared code. The shared code will be maintained in a series of packages.

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
Group the related components.	
Assign ownership to each component group.	
Create a dependency graph for the application.	
Identify the most common language used.	
Rewrite the components in the most common language.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Create a dependency graph for the application

By linking work items and other objects, you can track related work, dependencies, and changes made over time. All links are defined with a specific link type. For example, you can use Parent/Child links to link work items to support a hierarchical tree structure. Whereas, the Commit and Branch link types support links between work items and commits and branches, respectively.

Step 2: Group the related components.

Packages enable you to share code across your organization: you can compose a large product, develop multiple products based on a common shared framework, or create and share reusable components and libraries.

Step 3: Assign ownership to each component graph References:

<https://docs.microsoft.com/en-us/azure/devops/boards/queries/link-work-items-support-traceability?view=azure-devops&tabs=new-web-form> <https://docs.microsoft.com/en-us/visualstudio/releases/notes/tfs2017-relnotes>

NEW QUESTION 277

- (Topic 4)

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

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

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

Answer: C

Explanation:

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

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

NEW QUESTION 278

DRAG DROP - (Topic 4)

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

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

You plan to use Azure Repos for all the projects.

Which version control system should you use for each project? To answer, drag the appropriate version control systems to the correct projects. Each version control system may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Version Control Systems

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 279

DRAG DROP - (Topic 4)

Your company wants to use Azure Application Insights to understand how user behaviors affect an application.

Which Application Insights tool should you use to analyze each behavior? To answer, drag the appropriate tools to the correct behaviors. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Impact	Feature usage:	<input type="text"/>
User Flows	Number of people who used the actions and its features:	<input type="text"/>
Users	The effect that the performance of the application has on the usage of a page or a feature:	<input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: User Flows

The User Flows tool visualizes how users navigate between the pages and features of your site. It's great for answering questions like:

How do users navigate away from a page on your site? What do users click on a page on your site?

Where are the places that users churn most from your site?

Are there places where users repeat the same action over and over? Box 2: Users

Counting Users: The user behavior analytics tools don't currently support counting users or sessions based on properties other than anonymous user ID, authenticated user ID, or session ID.

Box 3: Impact

Impact analyzes how load times and other properties influence conversion rates for various parts of your app. To put it more precisely, it discovers how any dimension of a page view, custom event, or request affects the usage of a different page view or custom event.

NEW QUESTION 283

- (Topic 4)

You are designing the development process for your company.

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

What should you include in the recommendation?

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

Answer: C

Explanation:

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

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

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

NEW QUESTION 286

- (Topic 4)

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

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

What should you use?

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

Answer: D

Explanation:

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

NEW QUESTION 289

DRAG DROP - (Topic 4)

You create a Git repository named Repo1 in Azure Repos.

You need to configure Repo1 to meet the following requirements:

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

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

Which type of policy should you use for each requirement? To answer, drag the appropriate policy types to the correct requirements. Each policy type may be used once, more than once, or not at all.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 291

- (Topic 4)

You plan to use a NuGet package in a project in Azure DevOps. The NuGet package is in a feed that requires authentication.

You need to ensure that the project can restore the NuGet package automatically. What should the project use to automate the authentication?

- A. an Azure Automation account
- B. an Azure Artifacts Credential Provider
- C. an Azure Active Directory (Azure AD) account that has multi-factor authentication (MFA) enabled
- D. an Azure Active Directory (Azure AD) service principal D18912E1457D5D1DDCBD40AB3BF70D5D

Answer: B

Explanation:

The Azure Artifacts Credential Provider automates the acquisition of credentials needed to restore NuGet packages as part of your .NET development workflow. It integrates with MSBuild, dotnet, and NuGet(.exe) and works on Windows, Mac, and Linux. Any time you want to use packages from an Azure Artifacts feed, the Credential Provider will automatically acquire and securely store a token on behalf of the NuGet client you're using.

Reference:

<https://github.com/Microsoft/artifacts-credprovider>

NEW QUESTION 295

HOTSPOT - (Topic 4)

Your company uses Azure DevOps for Get source control.

You have a project in Azure DevOps named Contoso App that contains the following repositories:

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

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

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

You need to ensure that developers receive Slack notifications when there are pull requests created for Contoso App.

What should you run in Slack? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: subscribe

To start monitoring all Get repositories in a project, use the following slash command inside a channel:

/azrepos subscribe [project ur1]

Box 2: <https://dev.azure.com/contoso/contoso-app>

You can also monitor a specific repository using the following command:

/azrepos subscribe [repository ur1]

The repository URL can be to any page within your repository that has your repository name.

For example, for Get repositories, use:

/azrepos subscribe https://dev.azure.com/myorg/myproject/_git/myrepository

NEW QUESTION 298

- (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 300

- (Topic 4)

Your company creates a new Azure DevOps team. D18912E1457D5D1DDCBD40AB3BF70D5D

You plan to use Azure DevOps for sprint planning.

You need to visualize the flow of your work by using an agile methodology. Which Azure DevOps component should you use?

- A. Kanban boards
- B. sprint planning
- C. delivery plans

D. portfolio backlogs

Answer: A

Explanation:

Customizing Kanban boards

To maximize a team's ability to consistently deliver high quality software, Kanban emphasize two main practices. The first, visualize the flow of work, requires you to map your team's workflow stages and configure your Kanban board to match. Your Kanban board turns your backlog into an interactive signboard, providing a visual flow of work.

Reference: <https://azuredevopslabs.com/labs/azuredevops/agile/>

NEW QUESTION 303

- (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 project.

Your build process creates several artifacts.

You need to deploy the artifacts to on-premises servers.

Solution: You deploy an Octopus Deploy server. You deploy a polled Tentacle agent to an on-premises server. You add an Octopus task to the deployment pipeline.

Does this meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Instead you should deploy an Azure self-hosted agent to an on-premises server.

Note: To build your code or deploy your software using Azure Pipelines, you need at least one agent.

If your on-premises environments do not have connectivity to a Microsoft-hosted agent pool (which is typically the case due to intermediate firewalls), you'll need to manually configure a self-hosted agent on on-premises computer(s).

Reference:

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

NEW QUESTION 305

- (Topic 4)

You have an Azure subscription that contains multiple Azure pipelines.

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

? Parse logs from multiple sources.

? identify the root cause of issues.

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

A. directed monitoring

B. synthetic monitoring

C. analytics

D. Alert Management

Answer: B

NEW QUESTION 309

DRAG DROP - (Topic 4)

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

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

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

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

NOTE: Each correct selection is worth one point.



The screenshot shows a query editor interface. On the left, under 'Values', there are five items: 'bin(timestamp,id)', 'bin(timestamp,1h)', 'project timechart', 'render chart', and 'render timechart'. On the right, under 'Answer Area', there is a query snippet:


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

```

 There are empty input boxes next to the 'by' clause and the 'render' function.

A. Mastered

B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 311

- (Topic 4)

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

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

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

What should you add to the commit message?

A)

```
Fixes #456, #457, #458
```

B)

```
Fixes #AB456, #AB457, #AB458
```

C)

```
#456, #457, #458
Completed #456
```

D)

```
#AB456, #AB457, #AB458
```

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

Answer: D

NEW QUESTION 315

- (Topic 4)

Your company is building a new solution in Java.

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

Which task types should you add to the build pipeline?

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

Answer: B

Explanation:

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

References:

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

NEW QUESTION 319

- (Topic 4)

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

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

You manage a project in Azure DevOps.

You need to prevent the configuration of the project from changing over time. Solution: Implement Continuous Assurance for the project.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

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

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

There can be two types of drift:

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

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

Reference:

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

NEW QUESTION 322

- (Topic 4)

You have an Azure DevOps organization named Contoso and an Azure DevOps project named Project1. You plan to use Microsoft-hosted agents to build container images that will host full Microsoft .NET Framework apps in a YAML pipeline in Project1. What are two possible virtual machine images that you can use for the Microsoft-hosted agent pool? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. vs2017-win2016
- B. ubuntu-16.04
- C. win1803
- D. macOS-10.13
- E. vs.2015-win2012r2

Answer: AE

Explanation:

<https://github.com/microsoft/azure-pipelines-image-generation/blob/d80f81d6c98f8ce2c74b034309bb774ea8d31cfb/images/win/Vs2015-Server2012R2-Readme.md>
<https://github.com/actions/virtual-environments/blob/master/images/win/Windows2016-Readme.md>

NEW QUESTION 325

DRAG DROP - (Topic 4)

You are planning projects for three customers. Each customer's preferred process for work items is shown in the following table.

Customer name	Preferred process
Litware, Inc.	Track product backlog items (PBIs) and bugs on the Kanban board. Break the PBIs down into tasks on the task board.
Contoso, Ltd.	Track user stories and bugs on the Kanban board. Track the bugs and tasks on the task board.
A. Datum Corporation	Track requirements, change requests, risks, and reviews.

The customers all plan to use Azure DevOps for work item management.

Which work item process should you use for each customer? To answer, drag the appropriate work item process to the correct customers. Each work item process 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.

Processes

Agile

CMMI

Scrum

XP

Answer Area

Litware

Contoso:

A. Datum:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Scrum

Choose Scrum when your team practices Scrum. This process works great if you want to track product backlog items (PBIs) and bugs on the Kanban board, or break PBIs and bugs down into tasks on the taskboard.

Box 2: Agile

Choose Agile when your team uses Agile planning methods, including Scrum, and tracks development and test activities separately. This process works great if you want to track user stories and (optionally) bugs on the Kanban board, or track bugs and tasks on the taskboard.

Box 3: CMMI

Choose CMMI when your team follows more formal project methods that require a framework for process improvement and an auditable record of decisions. With this process, you can track requirements, change requests, risks, and reviews.

NEW QUESTION 327

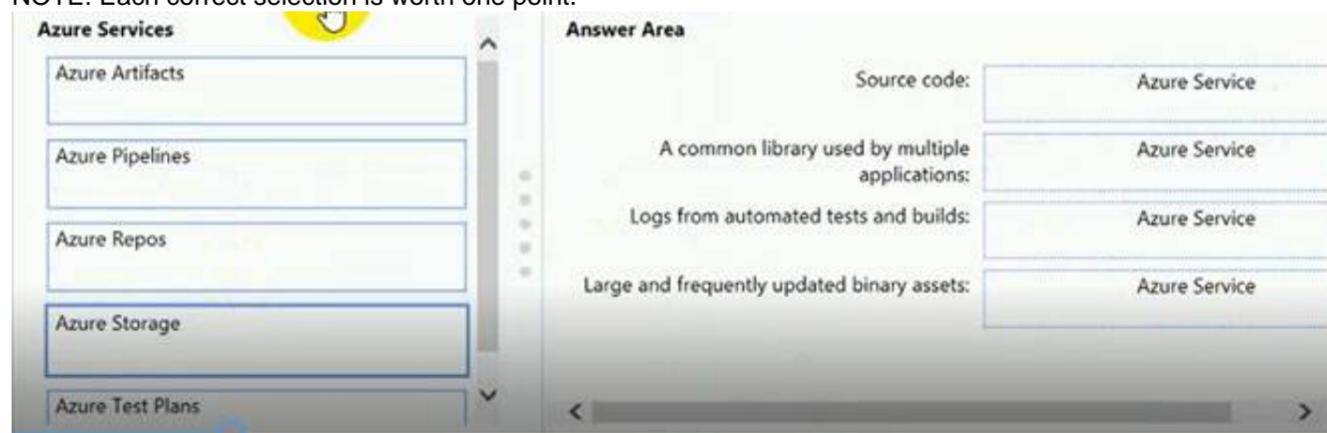
DRAG DROP - (Topic 4)

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 330

- (Topic 4)

You are automating the testing process for your company. You need to automate UI testing of a web application. Which framework should you use?

- A. JaCoco
- B. Playwright
- C. Xamarin.UITest
- D. Microsoft.CodeAnalysis

Answer: B

Explanation:

Performing user interface (UI) testing as part of the release pipeline is a great way of detecting unexpected changes, and need not be difficult. Selenium can be used to test your website during a continuous deployment release and test automation.

References:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/test/continuous-test-selenium?view=azure-devops>

NEW QUESTION 333

SIMULATION - (Topic 4)

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

The solution must minimize administrative effort.

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

- A. Mastered
- B. Not Mastered

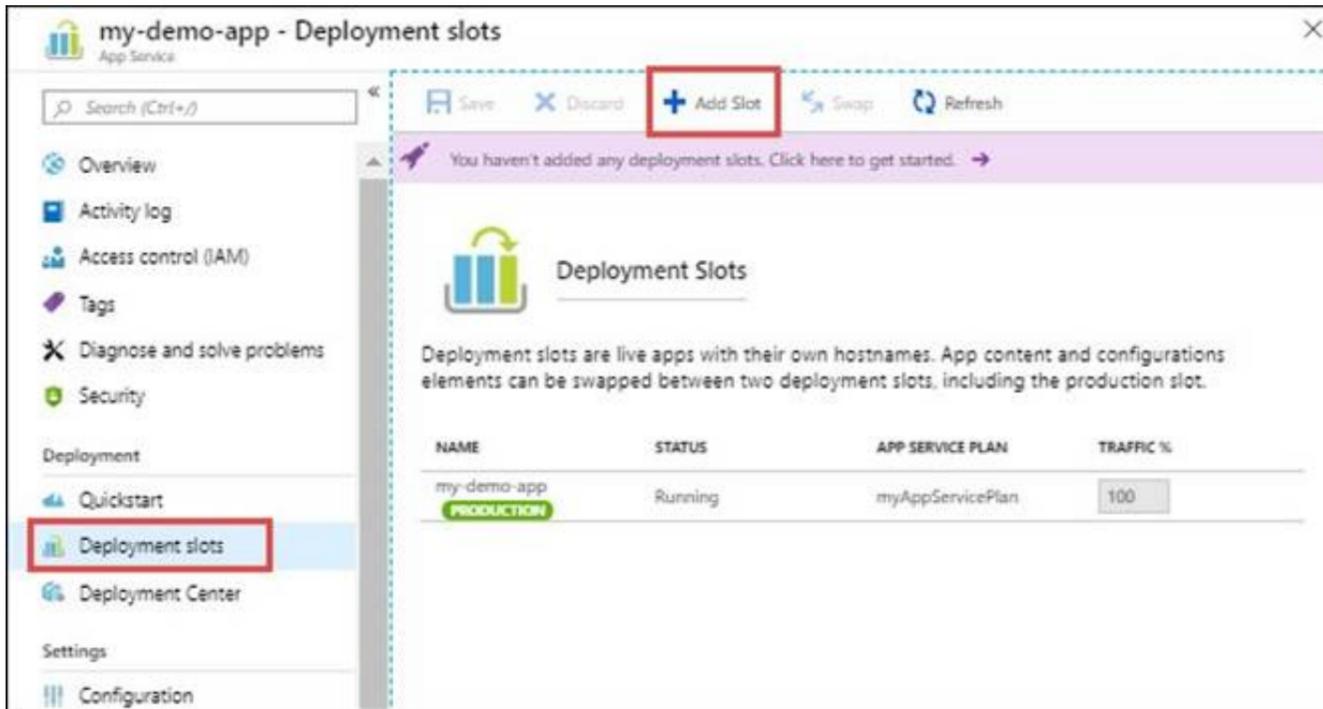
Answer: A

Explanation:

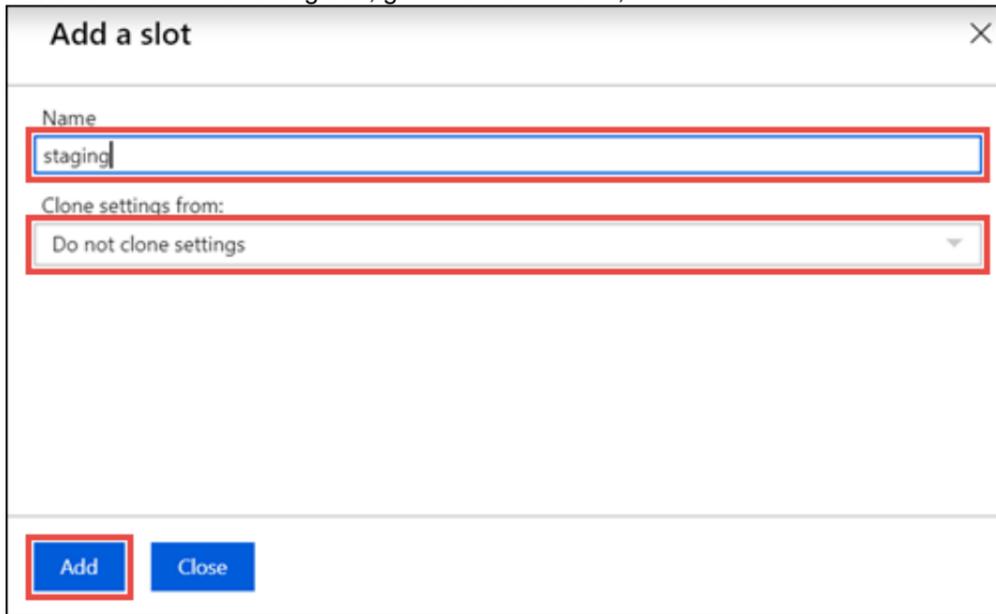
Set up staging environments in Azure App Service

* 1. Open Microsoft Azure Portal

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

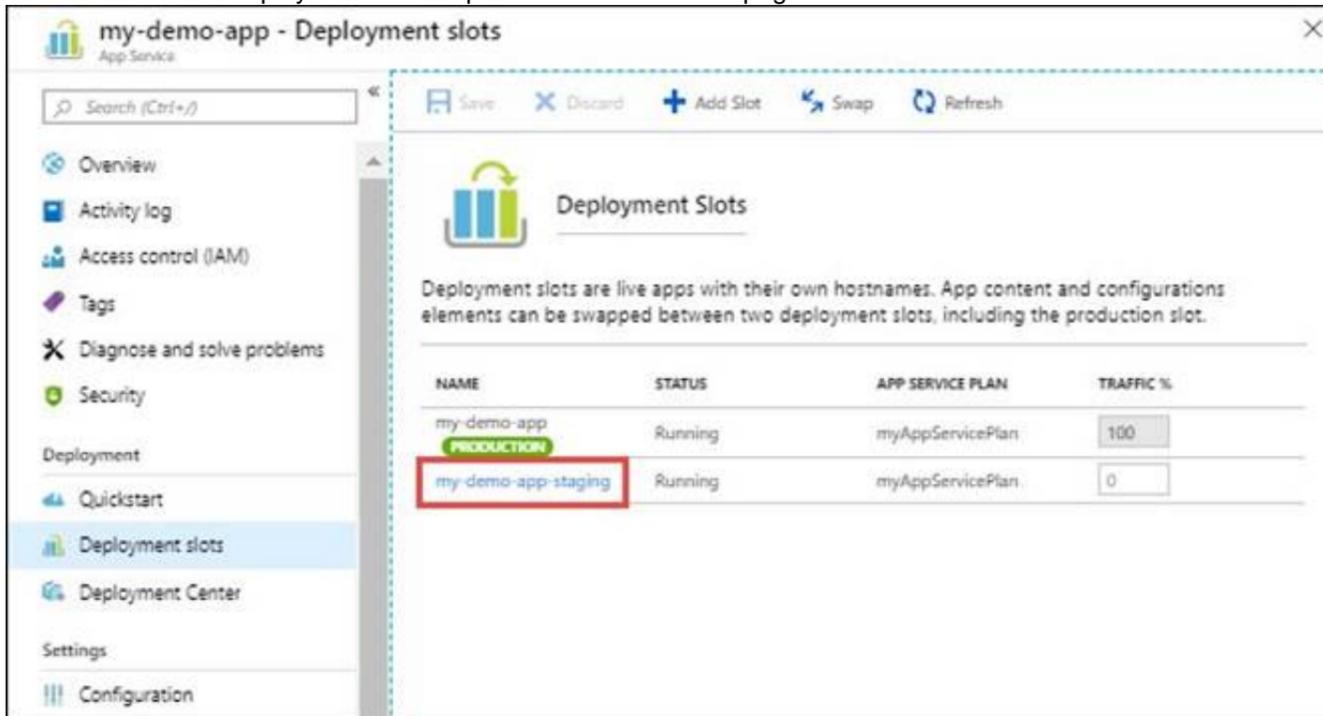


* 3. In the Add a slot dialog box, give the slot a name, and select whether to clone an app configuration from another deployment slot. Select Add to continue.



* 4. After the slot is added, select Close to close the dialog box. The new slot is now shown on the Deployment slots page. By default, Traffic % is set to 0 for the new slot, with all customer traffic routed to the production slot.

* 5. Select the new deployment slot to open that slot's resource page.



* 6. Change TRAFFIC % to 10

References:
<https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots>

NEW QUESTION 335

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