

# 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

SIMULATION - (Topic 4)

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

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

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

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

## Add an alert rule

**\* Threshold** ⓘ

bytes/second

**\* Period** ⓘ

Over the last 5 minutes
▼

Email service and co-administrators

Additional administrator email

**Webhook** ⓘ

Learn more about configuring webhooks

OK

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

### NEW QUESTION 3

- (Topic 4)

You are developing an iOS application by using Azure DevOps.  
 You need to test the application manually on 10 devices without releasing the application to the public.  
 Which two actions should you perform? Each correct answer presents part of the solution.  
 NOTE: Each correct selection is worth one point.

- A. Create a Microsoft Intune device compliance policy.
- B. Deploy a certificate from an internal certification authority (CA) to each device.
- C. Register the application in the iTunes store.
- D. Onboard the devices into Microsoft Intune.
- E. Distribute a new release of the application.
- F. Register the IDs of the devices in the Apple Developer portal.

**Answer:** EF

**Explanation:**

References: <https://help.apple.com/xcode/mac/current/#/dev7ccaf4d3c>

### 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**

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.

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

**NEW QUESTION 6**

- (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 7**

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 8**

- (Topic 4)

You have multiple teams that work on multiple projects in Azure DevOps.

You need to plan and manage the consumers and producers for each project. The solution must provide an overview of all the projects.

What should you do?

- A. Install the Dependency Tracker extension and create dependencies for each project.
- B. Add a Parent or Child link to the feature or user story for the items of each project.
- C. Add a Predecessor or Successor link to the feature or user story for the items of each project.
- D. Create a custom query to show the consumers and producers and add a widget to a dashboard.

**Answer:** A

**NEW QUESTION 9**

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.

**Actions**

- Create a test project.
- Create a work item.
- Debug the project.
- Check in a project to the Azure DevOps repository.
- Add the automated test to a build pipeline.

>

<

**Answer Area**

<

>

- 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 10**

- (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 10**

- (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 13**

- (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 14**

- (Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the

stated goals Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an approval process that contains a condition. The condition requires that releases be approved by a team leader before they are deployed. You haw a pokey stating that approvals must occur within eight hours. You discover that deployments only if the approvals take longer than two hours. You need to ensure that the deployments only fail if the approvals take longer than hours. Solution From Post -deployment conditions, you modify the Timeout setting for post-deployment approvals. Does this meet the goal?

- A. Yes
- B. NO

**Answer: B**

**NEW QUESTION 18**

- (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 21**

HOTSPOT - (Topic 4)

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

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

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

**Answer Area**



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**



**NEW QUESTION 22**

- (Topic 4)

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

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

What should you do?

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

D. Create an Azure Service Health alert for the specific regions.

**Answer:** B

**Explanation:**

There are three types of Application Insights availability tests:

URL ping test: a simple test that you can create in the Azure portal. Multi-step web test

Custom Track Availability Tests

Note: After you've deployed your web app/website, you can set up recurring tests to monitor availability and responsiveness. Azure Application Insights sends web requests to your application at regular

intervals from points around the world. It can alert you if your application isn't responding, or if it responds too slowly.

You can set up availability tests for any HTTP or HTTPS endpoint that is accessible from the public internet. You don't have to make any changes to the website you're testing. In fact, it doesn't even have to

be a site you own. You can test the availability of a REST API that your service depends on.

Reference:

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

**NEW QUESTION 25**

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](https://docs.helm.sh/using_helm/#tiller-namespaces-and-rbac)

**NEW QUESTION 26**

- (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 31**

- (Topic 4)

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

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

**Answer: B**

**Explanation:**

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

References:

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

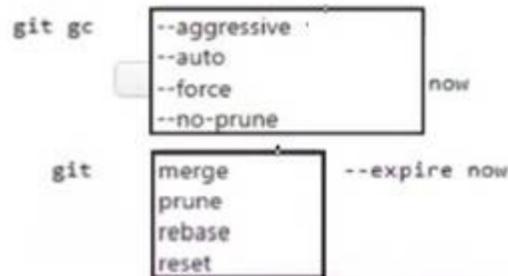
**NEW QUESTION 34**

HOTSPOT - (Topic 4)

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

NOTE: Each correct selection is worth one point.

**Answer Area**



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: --aggressive

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

Box 2: prune

Prune all unreachable objects from the object database: git prune

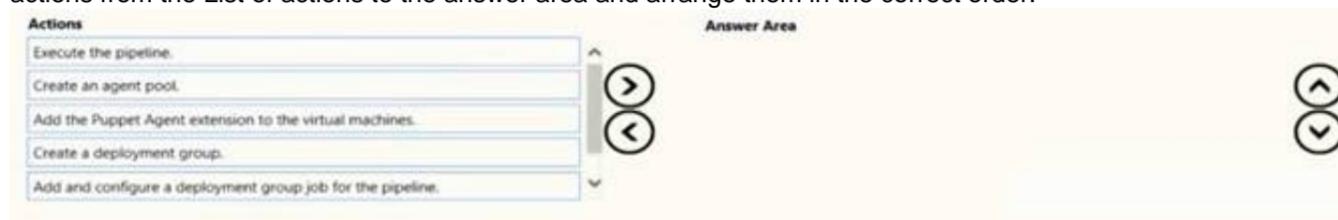
**NEW QUESTION 35**

DRAG DROP - (Topic 4)

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

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

You need to deploy an application to the virtual machines in RG1 by using Azure Pipelines. Which four actions should you perform in sequence? To answer, move the appropriate actions from the List of actions to the answer area and arrange them in the correct order.



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Step 1: Create an agent pool

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

Step 2: Create a deployment group

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

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

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

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

**NEW QUESTION 38**

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 43**

- (Topic 4)

You have a project in Azure DevOps that has a release pipeline.

You need to integrate work item tracking and an Agile project management system to meet the following requirements:

- Ensure that developers can track whether their commits are deployed to production.
- Report the deployment status.
- Minimize integration effort. Which system should you use?

- A. Trello
- B. Jira
- C. Basecamp
- D. Asana

**Answer:** B

**Explanation:**

Jira Software is a development tool used by agile teams to plan, track, and manage software releases. Using Azure Pipelines, teams can configure CI/CD pipelines for applications of any language, deploying to any platform or any cloud.

Note: Microsoft and Atlassian have partnered together to build an integration between Azure Pipelines and Jira Software.

This integration connects the two products, providing full tracking of how and when the value envisioned with an issue is delivered to end users. This enables teams to setup a tight development cycle from issue creation through release. Key development milestones like builds and deployments associated to a Jira issue can then be tracked from within Jira Software.

Reference:

<https://devblogs.microsoft.com/devops/azure-pipelines-integration-with-jira-software/>

**NEW QUESTION 47**

- (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 48**

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 50**

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 53**

HOTSPOT - (Topic 4)

You have an Azure subscription that contains two resource groups named Contoso RG and Contoso Dev, an Azure data factory named Contoso Data Factory, and a release pipeline in Azure Pipelines named Pipeline1.

You plan to deploy Contoso Data Factory to ContosoRG by using Pipeline1.

You add the Azure Resource Manager (ARM) template deployment task shown the following exhibit.

ARM template deployment [View YAML](#) [Remove](#)

Task version

Display name \*

Azure Details

Deployment scope \*

Azure Resource Manager connection \* | [Manage](#)

Scoped to subscription: Microsoft Azure Sponsorship

Subscription \*

Action \*

Resource group \*

Location \*

Template

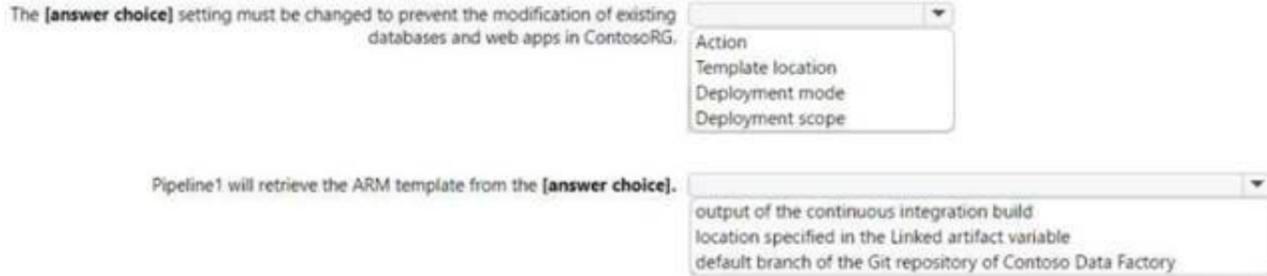
Template location \*

Template \*

Template parameters

Override template parameters

Deployment mode \*



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Deployment Mode  
 Location specified in the Linked artifact variable

**NEW QUESTION 58**

- (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 63**

- (Topic 4)

You have an Azure key vault named KV1 and three web servers. You plan to deploy an app named App1 to the web server.

You need to ensure that App1 can retrieve a secret from KV1. The solution must meet the following requirements:

- Minimize the number of permission grants required
- Follow the principle of least privilege. What should you include in the solution?

- A. role-based access control (RBAQ permissions
- B. a system-assigned managed identity
- C. a user-assigned managed identity
- D. a service principal

**Answer:** B

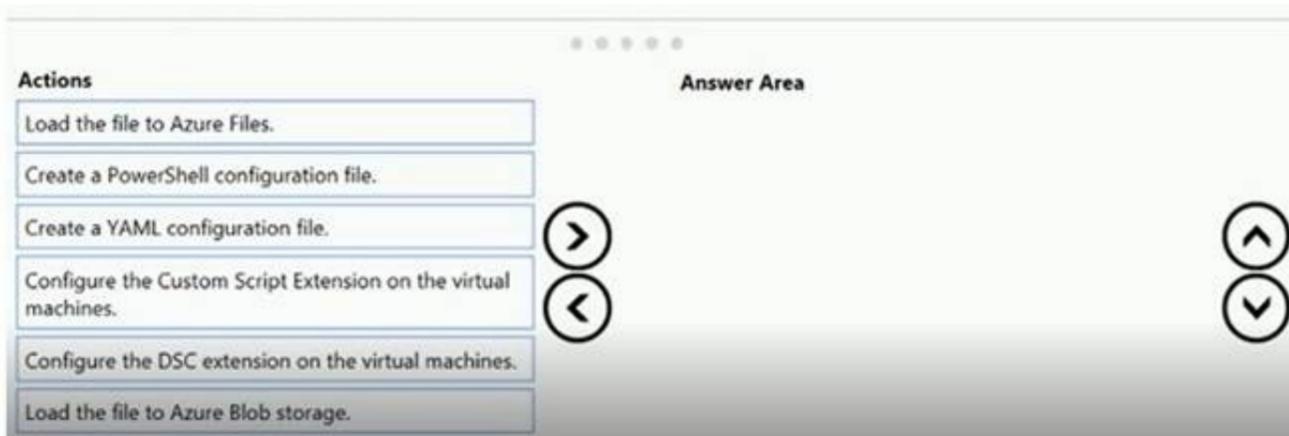
**NEW QUESTION 68**

DRAG DROP - (Topic 4)

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

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

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



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: Create a PowerShell configuration file  
 You create a simple PowerShell DSC configuration file.  
 Step 2: Load the file to Azure Blob storage  
 Package and publish the module to a publically accessible blob container URL  
 Step 3: Configure the Custom Script Extension on the virtual machines.  
 The Custom Script Extension downloads and executes scripts on Azure virtual machines.

**NEW QUESTION 70**

- (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 73**

DRAG DROP - (Topic 4)

You are configuring the settings of a new Git repository in Azure Repos.  
 You need to ensure that pull requests in a branch meet the following criteria before they are merged:  
 ? Committed code must compile successfully.  
 ? Pull requests must have a Quality Gate status of Passed in SonarCloud.  
 Which policy type should you configure for each requirement? To answer, drag the appropriate policy types to the correct requirements. Each policy type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.  
 NOTE: Each correct selection is worth one point.

<p><b>Policy Types</b></p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">A build policy</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">A check-in policy</div> <div style="border: 1px solid black; padding: 2px;">A status policy</div>	<p>Committed code must compile successfully: <input style="border: 1px solid red; width: 150px; height: 25px;" type="text"/></p> <p>Pull requests must have a Quality Gate status of Passed in SonarCloud: <input style="border: 1px solid red; width: 150px; height: 25px;" type="text"/></p>
---	--

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: A check-in policy  
 Administrators of Team Foundation version control can add check-in policy requirements. These check-in policies require the user to take actions when they conduct a check-in to source control.  
 By default, the following check-in policy types are available:  
 ? Builds Requires that the last build was successful before a check-in.  
 ? Code Analysis Requires that code analysis is run before check-in.  
 ? Work Items Requires that one or more work items be associated with the check-in.  
 Box 2: Build policy

**NEW QUESTION 75**

- (Topic 4)

Your company is concerned that when developers introduce open source libraries, it creates licensing compliance issues.  
 You need to add an automated process to the build pipeline to detect when common open source libraries are added to the code base.  
 What should you use?

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

**Answer:** C

**Explanation:**

WhiteSource is the leader in continuous open source software security and compliance management. WhiteSource integrates into your build process, irrespective

of your programming languages, build tools, or development environments. It works automatically, continuously, and silently in the background, checking the security, licensing, and quality of your open source components against WhiteSource constantly-updated denitive database of open source repositories.

Azure DevOps integration with WhiteSource Bolt will enable you to:

- ? Detect and remedy vulnerable open source components.
- ? Generate comprehensive open source inventory reports per project or build.
- ? Enforce open source license compliance, including dependencies' licenses.
- ? Identify outdated open source libraries with recommendations to update.

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

#### NEW QUESTION 78

- (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 82

- (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 84

- (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 86

- (Topic 4)

You have a project in Azure DevOps named Project1 that contains two environments named environment1 and envkonment2.

When a new version of Project1 is released, the latest version is deployed to environment2, and the previous version is redeployed to environments

You need to distribute users across the environments. The solution must meet the following requirements:

- New releases must be available to only a subset of the users.
- You must gradually increase the number of users that can access environment2. What should you use?

- A. web app deployment slots
- B. Azure Traffic Manager
- C. VIP swapping
- D. Azure Load Balancer

**Answer:** A

#### NEW QUESTION 87

- (Topic 4)

You have an on-premises app named App1 that accesses Azure resources by using credentials stored in a configuration file.

You plan to upgrade App1 to use an Azure service principal.

What is required for App1 to programmatically sign in to Azure Active Directory (Azure AD)?

- A. the application ID, a client secret, and the object ID
- B. a client secret, the object ID, and the tenant ID
- C. the application ID, a client secret, and the tenant ID
- D. the application ID, a client secret, and the subscription ID

**Answer:** C

#### Explanation:

<https://docs.microsoft.com/en-us/azure/active-directory/develop/app-objects-and-service-principals> "When you've completed the app registration, you've a globally unique instance of the app (the application object) which lives within your home tenant or directory. You also have a globally unique ID for your app (the app or client ID). In the portal, you can then add secrets or certificates and scopes to make your app work, customize the branding of your app in the sign-in dialog, and more."

#### NEW QUESTION 88

- (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 92

- (Topic 4)

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

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

Which Azure Log Analytics solution should you use?

- A. Automation & Control
- B. IT Service Management Connector (ITSM)
- C. Application ImiQ.hu Connector
- D. insight & Analytics

**Answer:** B

#### Explanation:

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

ITSMC supports connections with the following ITSM tools:

? ServiceNow

? System Center Service Manager

? Provance

? Cherwell

With ITSMC, you can

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

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

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

#### NEW QUESTION 94

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

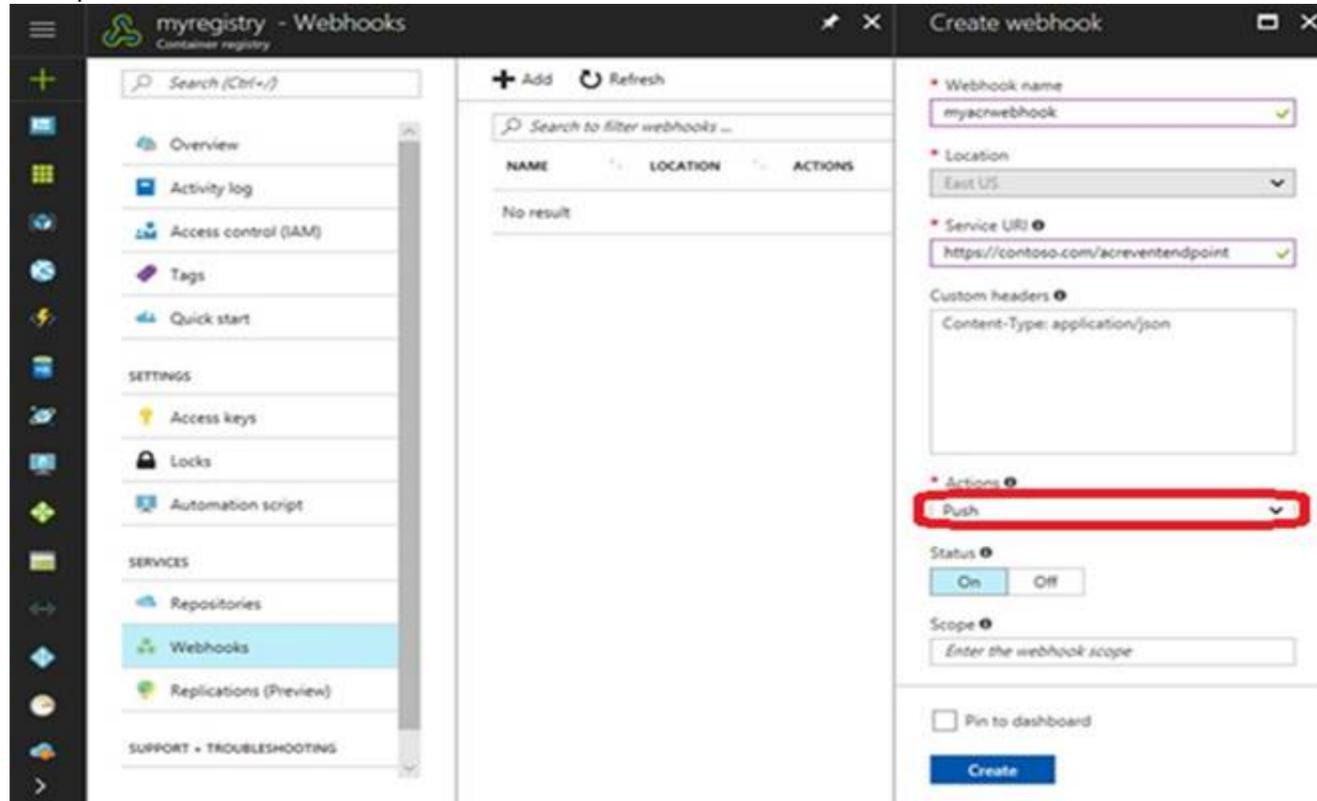
image named dotnetapp.  
 To complete this task, sign in to the Microsoft Azure portal.

- 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 96**

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 101**

DRAG DROP - (Topic 4)

You have an Azure Pipeline.

You need to store configuration values as variables.

At which four scopes can the variables be defined, and what is the precedence of the variables from the highest precedence to lowest precedence? To answer, move the appropriate scope from the list of scopes to the answer area and arrange them in the correct order.

**Scopes**

- task
- job
- stage
- pipeline root
- pipeline settings UI

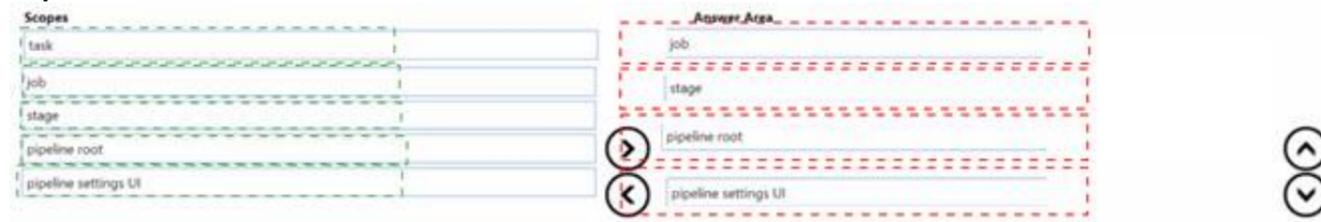
**Answer Area**

Four empty boxes with arrows pointing left and right for drag-and-drop.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 102**

- (Topic 4)

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

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

What should you do?

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

**Answer:** B

**Explanation:**

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

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

**NEW QUESTION 104**

DRAG DROP - (Topic 4)

You have an Azure Kubernetes Service (AKS) cluster.

You need to deploy an application to the cluster by using Azure DevOps.

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

**Actions**

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

**Answer Area**

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

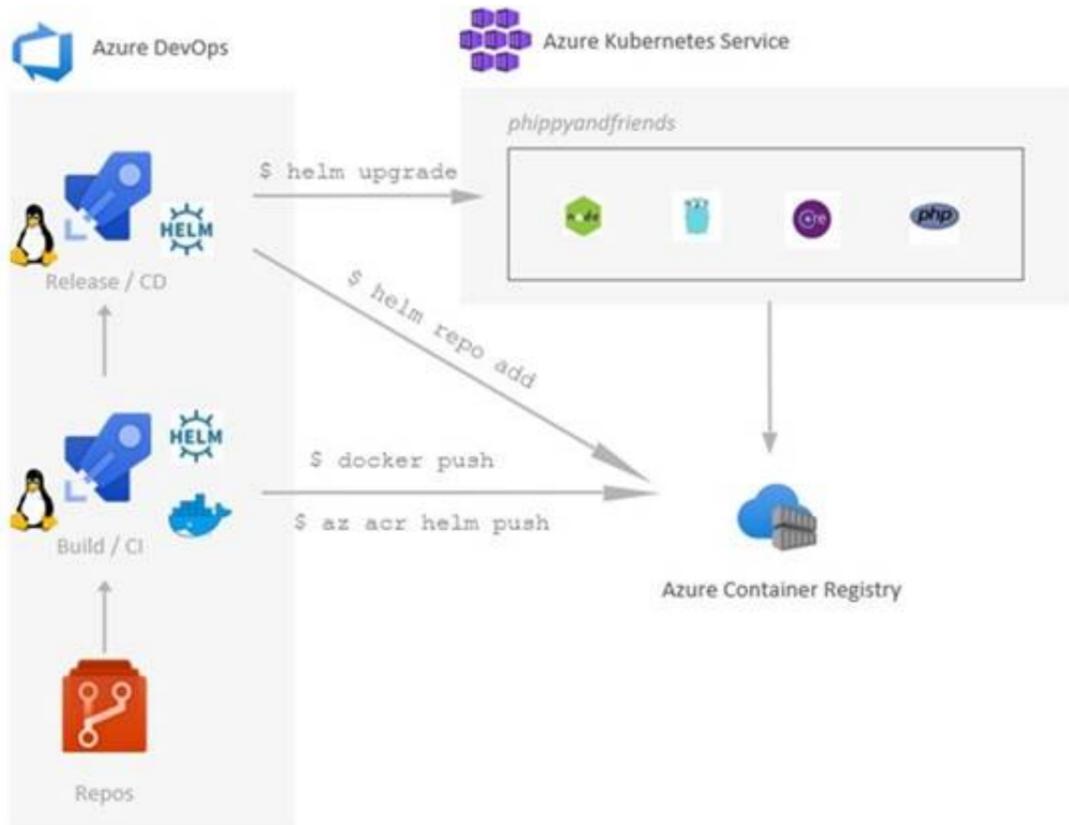
Step 1: Create a service principle in Azure Active Directory (Azure AD)

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

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

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

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



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

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

**NEW QUESTION 107**

SIMULATION - (Topic 4)

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

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

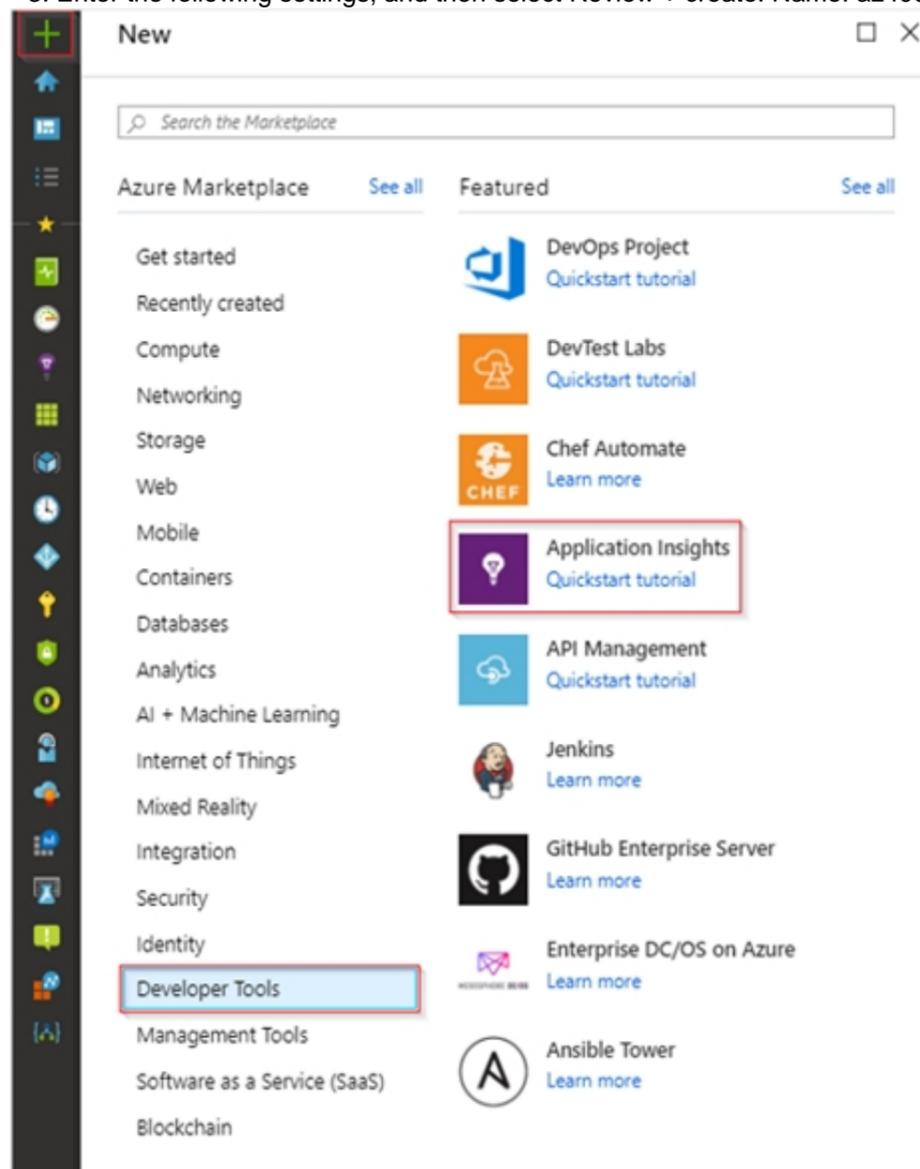
- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

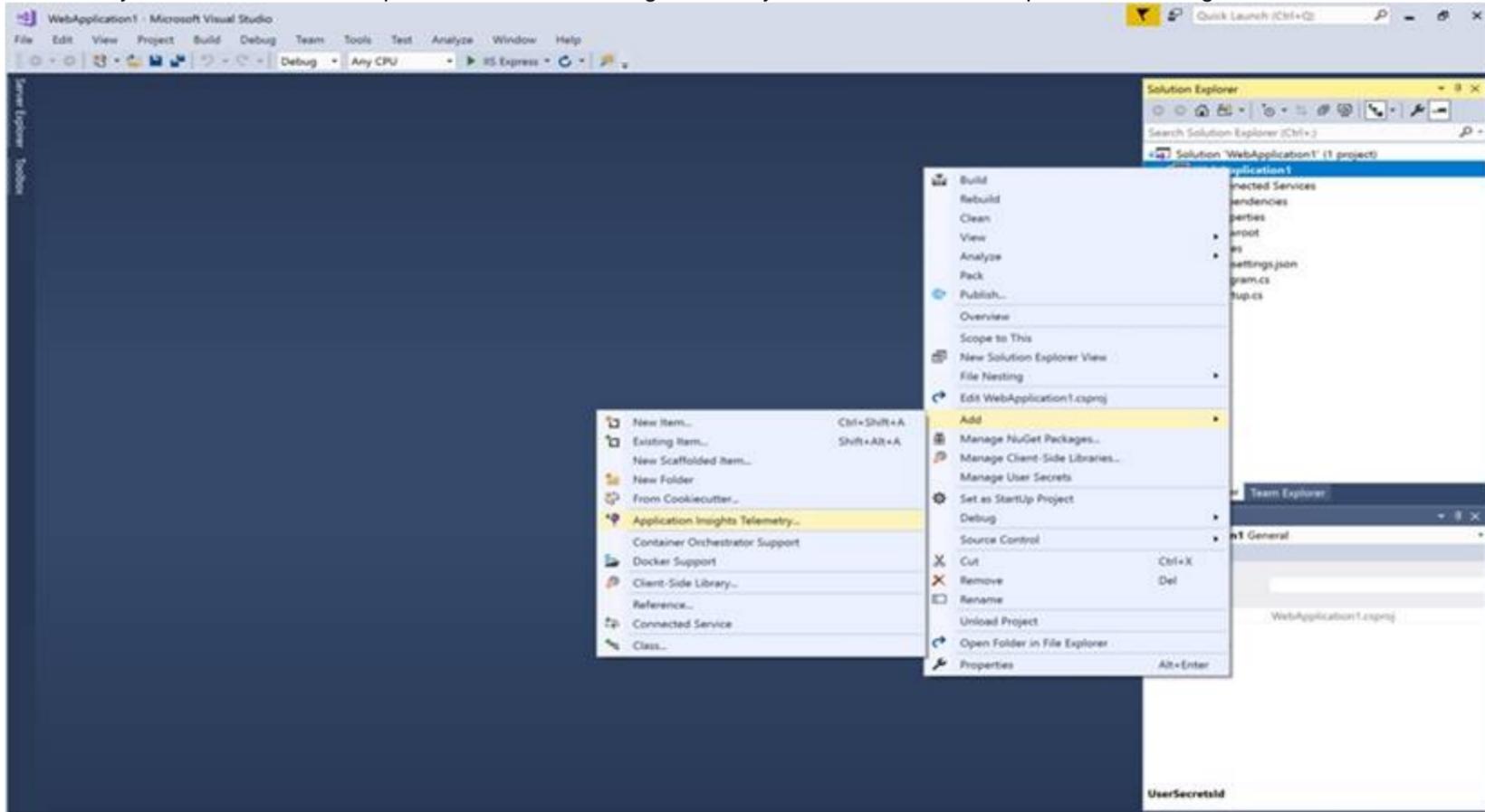
Step 1: Create an instance of Azure Application Insights

- \* 1. Open Microsoft Azure Portal
- \* 2. Log into your Azure account, Select Create a resource > Developer tools > Application Insights.
- \* 3. Enter the following settings, and then select Review + create. Name: az400-9940427-main



**Step 2: Configure App Insights SDK**

- \* 1. Open your ASP.NET Core Web App project in Visual Studio > Right-click on the AppName in the Solution Explorer > Select Add > Application Insights Telemetry.
- \* 2. Click the Get Started button
- \* 3. Select your account and subscription > Select the Existing resource you created in the Azure portal > Click Register.



**NEW QUESTION 110**

- (Topic 4)

Your company uses the following resources:

- ? Windows Server 2019 container images hosted in an Azure Container Registry
- ? Azure virtual machines that run the latest version of Ubuntu An Azure
- ? Log Analytics workspace Azure Active Directory (Azure AD)
- ? An Azure key vault

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

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

**Answer:** CE

**Explanation:**

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

**NEW QUESTION 114**

- (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.

## Add GitHub repositories

Add the GitHub repositories you want to use with your Azure Boards.

Filter by keywords

Viewing 4, 4 selected

- JamalHart/fabrikam- apps-2
- JamalHart/fabrikam- demo
- JamalHart/fabrikam- open- source
- JamalHart/fabrikam- suite

Reference:

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

### NEW QUESTION 115

DRAG DROP - (Topic 4)

You are implementing a new project in Azure DevOps.

You need to assess the performance of the project. 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 split bar between panes or scroll to view content.

NOTE Each correct selection is worth one point.

**KPIs**

- Application failure rates
- Bug report rates
- Burndown trend
- Cycle time
- Defect escape rate
- Deployment speed
- Lead time
- Mean time to recover

**Answer Area**

How long it takes to complete a work item:

The percentage of defects found in production:

- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

**KPIs**

- Application failure rates
- Bug report rates
- Burndown trend
- Cycle time
- Defect escape rate
- Deployment speed
- Lead time
- Mean time to recover

**Answer Area**

How long it takes to complete a work item:

The percentage of defects found in production:

### NEW QUESTION 117

- (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 118**

SIMULATION - (Topic 4)

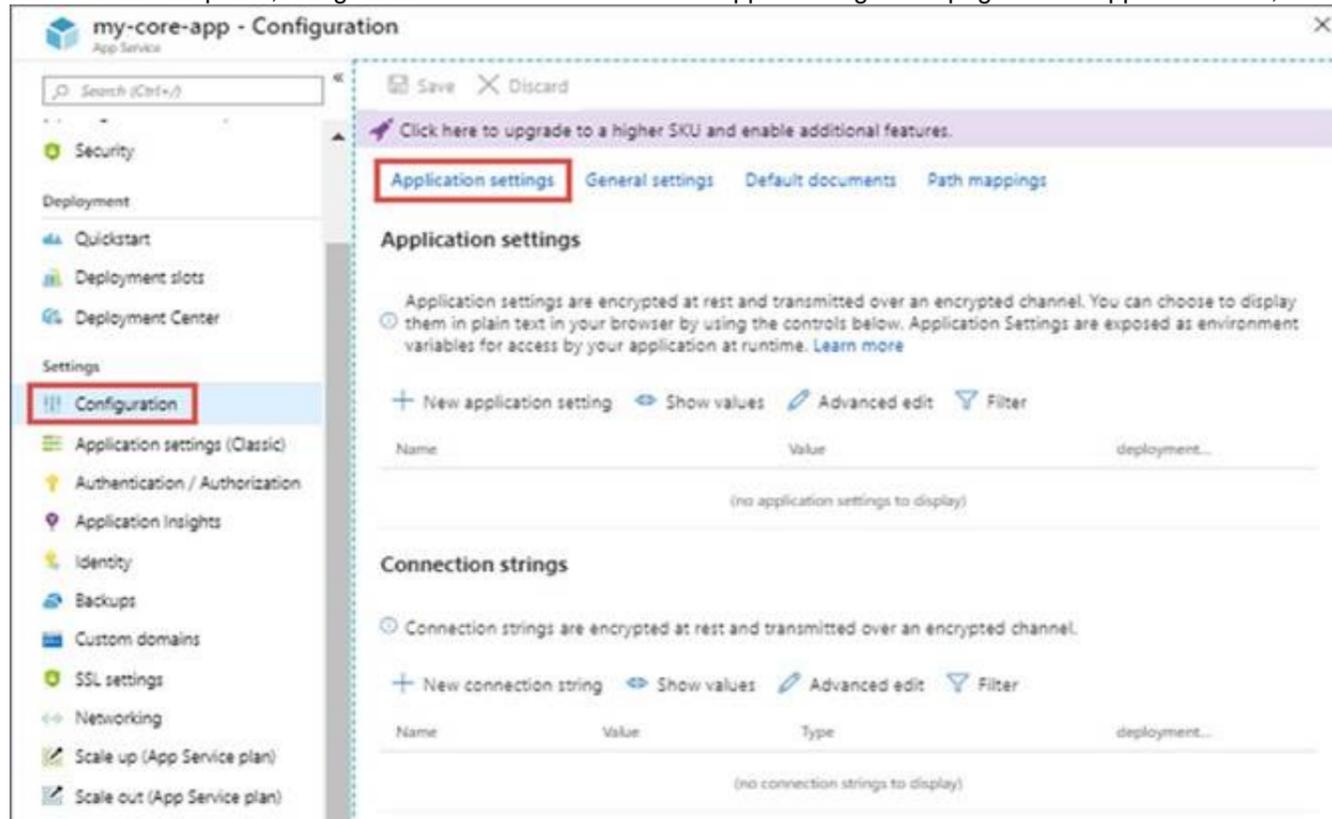
You need to configure an Azure web app named az400-9940427-main to contain an environmental variable named "MAX\_ITEMS". The environmental variable must have a value of 50.  
 To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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



\* 2. Click New Application settings

\* 3. Enter the following:

? Name: MAX\_ITEMS

? Value: 50

References:

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

**NEW QUESTION 119**

DRAG DROP - (Topic 4)

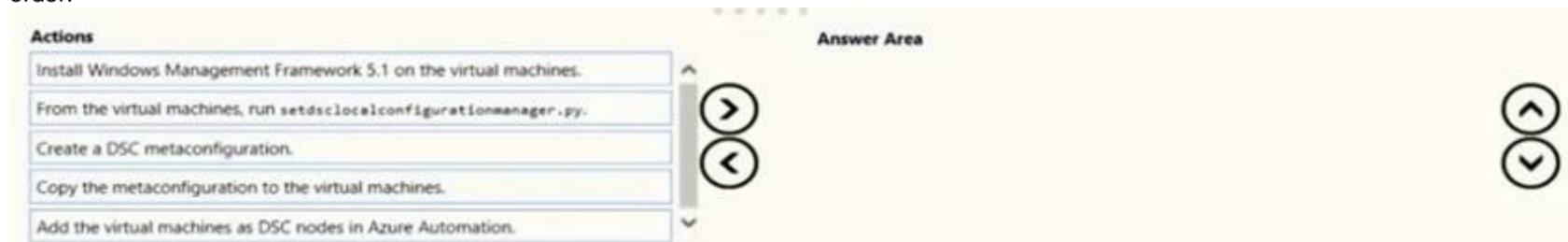
Your company has two virtual machines that run Linux in a third-party public cloud.

You plan to use the company's Azure Automation State Configuration implementation to manage the two virtual machines and detect configuration drift.

You need to onboard the Linux virtual machines.

You install PowerShell Desired State Configuration (DSC) on the virtual machines, and then run register.py.

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



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: Create a DSC metaconfiguration

Load up the DSC Configuration into Azure Automation.

Step 2: Copy the metaconfiguration to the virtual machines. Linking the Node Configuration to the Linux Host

Step 3: Add the virtual machines as DSC nodes in Azure Automation.

go to DSC Nodes, select your node, and then click Assign node configuration. This step assigns the DSC configuration to the Linux machine.

Next up will be to link the node configuration to the host. Go to the host and press the "Assign node..."-button. Next up you can select your node configuration.

#### NEW QUESTION 122

- (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 125

- (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 130

- (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 132

HOTSPOT - (Topic 4)

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

### Create test

^ Basic Information

\* Test name  
 ✓

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

Test type  
 ▼

\* URL ⓘ  
 ✓

Parse dependent requests ⓘ

Enable retries for availability test failures. ⓘ

Test frequency ⓘ  
 ▼

✓ Test locations  
 4 location(s) configured

^ Success criteria

Test Timeout ⓘ  
 ▼

HTTP response ⓘ

Status code must equal

Content match ⓘ

Content must contain

✓ Alerts  
 Enabled

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

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

▼

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

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

▼

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: every five minutes at a random location

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

Box 2:

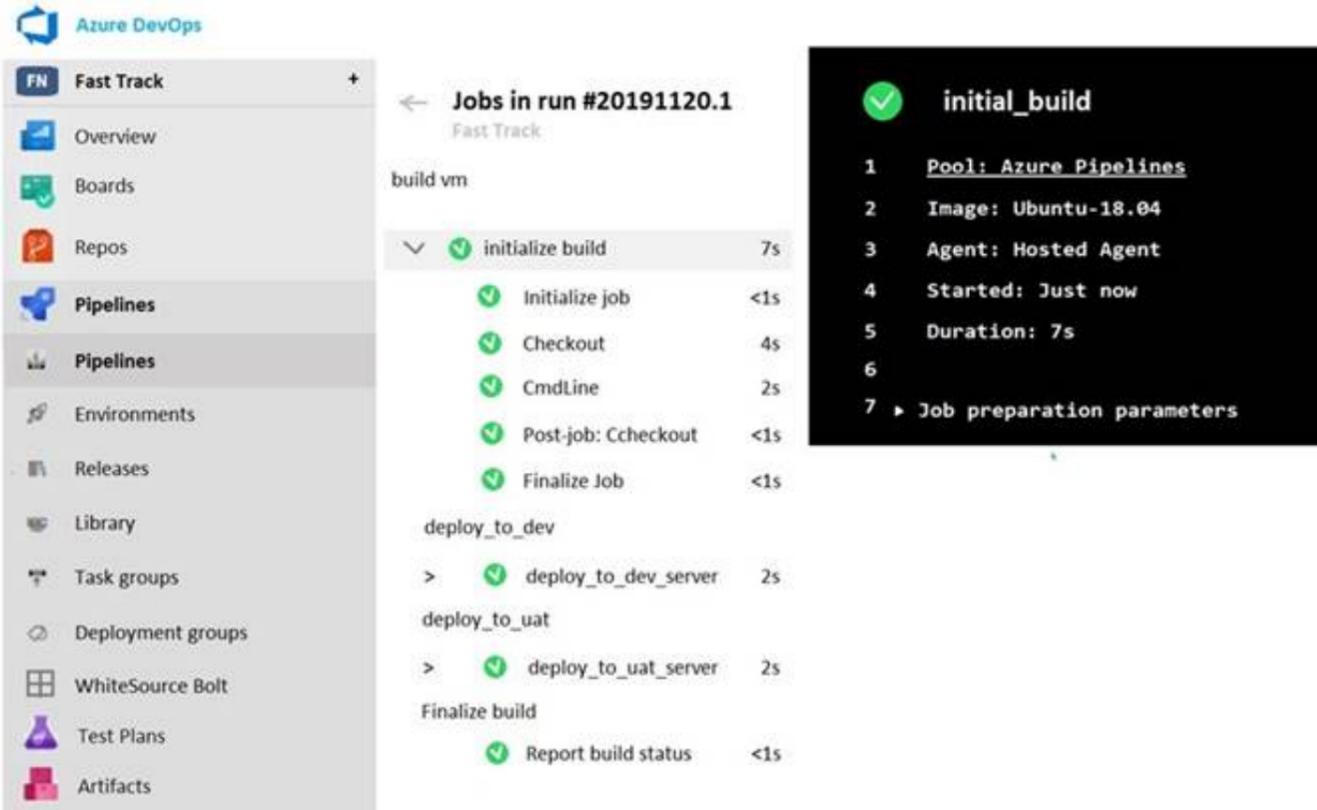
Parse dependent requests: Test requests images, scripts, style files, and other files that are part of the web page under test. The recorded response time includes the time taken to get these files. The test fails if any of these resources cannot be successfully downloaded within the timeout for the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

**NEW QUESTION 135**

HOTSPOT - (Topic 4)

You company uses Azure DevOps to deploy infrastructures to Azure. Pipelines are developed by using YAML.

You execute a pipeline and receive the results in the web portal for Azure Pipelines as shown in the following exhibit.



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

NOTE: Each correct selection is worth one point.

The pipeline contains

	▼
one stage	
two stages	
three stages	
four stages	
five stages	

Build\_vm contains

	▼
one job	
two jobs	
three jobs	
four jobs	
five jobs	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

The pipeline contains

	▼
one stage	
two stages	
three stages	
four stages	
five stages	

Build\_vm contains

	▼
one job	
two jobs	
three jobs	
four jobs	
five jobs	

**NEW QUESTION 137**

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
- A resource group
- Application roles

Ten virtual machines hosted in Azure:

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

- 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 139**

- (Topic 4)

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

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

What should you use?

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

**Answer:** A

**NEW QUESTION 143**

DRAG DROP - (Topic 4)

You need to increase the security of your team's development process.

Which type of security tool should you recommend for each stage of the development process? To answer, drag the appropriate security tools to the correct stages. Each security 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.

Security Tools	Answer Area
<input type="text" value="Penetration testing"/>	Pull request: <input type="text"/>
<input type="text" value="Static code analysis"/>	Continuous integration: <input type="text"/>
<input type="text" value="Threat modeling"/>	Continuous delivery: <input type="text"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

<https://docs.microsoft.com/en-us/azure/devops/migrate/security-validation-cicd-pipeline?view=azure-devops&viewFallbackFrom=vsts>

So:

PR: Static Code Analysis CI: Static Code Analysis CD: PenTest

**NEW QUESTION 145**

- (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 149**

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
<input type="text" value="Group the related components."/>	
<input type="text" value="Assign ownership to each component group."/>	
<input type="text" value="Create a dependency graph for the application."/>	
<input type="text" value="Identify the most common language used."/>	
<input type="text" value="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 152**

DRAG DROP - (Topic 4)

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

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

You plan to use Azure Repos for all the projects.

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

NOTE: Each correct selection is worth one point.

**Version Control Systems**

**Answer Area**

Git	Project 1:	
Perforce	Project 2:	
Subversion	Project 3:	
Team Foundation Version Control	Project 4:	

- 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 154**

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:	
User Flows	Number of people who used the actions and its features:	
Users	The effect that the performance of the application has on the usage of a page or a feature:	

- 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 158

- (Topic 4)

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

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

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

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

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

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

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

Does this meet the goal?

A. Yes

B. No

**Answer: B**

#### Explanation:

Instead use Octopus Tentacle.

References:

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

#### NEW QUESTION 159

- (Topic 4)

You use GitHub for source control

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

NOTE: Each correct selection is worth one point.

A. minimizes latency when accessing the package

B. provides automatic authentication

C. minimizes the impact on your storage quota

D. minimizes the impact of upstream source availability issues

**Answer: BC**

#### NEW QUESTION 161

- (Topic 4)

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

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

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

You have a poky stating that approvals must occur within eighthour.

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

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

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

Does this meet the goal?

A. Yes

B. No

**Answer: B**

#### Explanation:

Use a gate From Pre-deployment conditions instead.

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

#### NEW QUESTION 165

- (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 167**

HOTSPOT - (Topic 4)

Your company has an Azure subscription.

The company requires that all resource group in the subscription have a tag named organization set to a value of Contoso.

You need to implement a policy to meet the tagging requirement.

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

NOTE: Each correct selection is worth one point.

```

{
  "policyRule": {
    "if": {
      "allOf": [
        {
          "field": "type",
          "equals":
            
        },
        {
          "not": {
            "field": "tags['organization']",
            "equals": "Contoso"
          }
        }
      ]
    },
    "then": {
      "effect":
        ,
      "details": [
        {
          "field": "tags['organization']",
          "value": "Contoso"
        }
      ]
    }
  }
}

```

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: " Microsoft.Resources/subscriptions/resourceGroups"

Box 2: "Deny",

Sample - Enforce tag and its value on resource groups

```

},
"policyRule": { "if": {
"allOf": [
{
"field": "type",
"equals": "Microsoft.Resources/subscriptions/resourceGroups"
},
{
"not": {
"field": "[concat('tags['',parameters('tagName'), ']')]", "equals": "[parameters('tagValue')]"
}
}
]
},
"then": {

```

```
"effect": "deny"
}
}
}
}
```

References:

<https://docs.microsoft.com/en-us/azure/governance/policy/samples/enforce-tag-on-resource-groups>

**NEW QUESTION 172**

DRAG DROP - (Topic 4)

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

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

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

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

NOTE: Each correct selection is worth one point.

Values	Answer Area
<input type="text" value="bin(timestamp,id)"/>	<pre>... performanceCounters   where counter == "% Processor Time"   where timestamp &gt;= ago(7d)   summarize avg(value) by cloud_RoleInstance,   ... </pre>
<input type="text" value="bin(timestamp,ih)"/>	
<input type="text" value="project timechart"/>	
<input type="text" value="render chart"/>	
<input type="text" value="render timechart"/>	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 177**

- (Topic 4)

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

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

NOTE: Each correct selection is worth one point.

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

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

**Answer:** CD

**NEW QUESTION 180**

- (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 183

- (Topic 4)

Your company creates a web application.

You need to recommend a solution that automatically sends to Microsoft Teams a dairy summary of the exceptions that occur m the application.

Which two Azure services should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Microsoft Visual Studio App Center
- B. Azure DevOps Project
- C. Azure Logic Apps
- D. Azure Pipelines
- E. Azure Application Insights

**Answer: CE**

#### Explanation:

References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/asp-net-exceptions> <https://docs.microsoft.com/en-us/azure/azure-monitor/app/automate-custom-reports>

### NEW QUESTION 186

- (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 187

DRAG DROP - (Topic 4)

You have web app named App1 that uses Application Insights in Azure Monitor to Store log data. App1 has users in multiple locations.

You need to query App1 requests from London and Paris that return error. The solution must meet the following requirements:

? Return the timestamp, url, result Code, and duration fields.

? Only requests made the last hour. How shout you complete the query?

**Values**

- 
- 
- 
- 
- 

**Answer Area**

```

...
requests
| where [ ]
| where resultCode == "404" and (client_City == "London" or client_City == "Paris")
| [ ] timestamp, url, resultCode, duration
...
    
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Values**

- 
- 
- 
- 
- 

**Answer Area**

```

...
requests
| where [ timestamp -gt ago(1hr) ]
| where resultCode == "404" and (client_City == "London" or client_City == "Paris")
| [ select ] timestamp, url, resultCode, duration
...
    
```

**NEW QUESTION 190**

- (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 192**

HOTSPOT - (Topic 4)

Your company is creating a suite of three mobile applications. You need to control access to the application builds. The solution must be managed at the organization level. What should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

**Groups to control the build access:**

- Active Directory groups
- Azure Active Directory groups
- Microsoft Visual Studio App Center distribution groups

**Group type:**

- Private
- Public
- Shared

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Microsoft Visual Studio App Center distribution Groups  
 Distribution Groups are used to control access to releases. A Distribution Group represents a set of users that can be managed jointly and can have common

access to releases. Example of Distribution Groups can be teams of users, like the QA Team or External Beta Testers or can represent stages or rings of releases, such as Staging.

Box 2: Shared

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

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

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

**NEW QUESTION 196**

DRAG DROP - (Topic 4)

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

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

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

Box 1: Lead time

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

Box 2: Cycle time

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

Box 3: Burn down

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

**NEW QUESTION 199**

- (Topic 4)

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

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

**Answer: C**

**Explanation:**

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

Reference:

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

**NEW QUESTION 200**

- (Topic 4)

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

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

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

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

**Answer: A**

**Explanation:**

Azure Platform as a Service (PaaS) resources, like Azure SQL and Web Sites (Web Apps), can emit performance metrics data natively to Log Analytics. The Premium plan will retain up to 12 months of data, giving you an excellent baseline ability. There are two options available in the Azure portal for analyzing data stored in Log analytics and for creating queries for ad hoc analysis. References: <https://docs.microsoft.com/en-us/azure/azure-monitor/platform/collect-azurepass-posh>

**NEW QUESTION 204**

HOTSPOT - (Topic 3)

You need to configure the alert for VM1. The solution must meet the technical requirements. Which two settings should you configure? To answer, select the appropriate settings in the answer area. NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Setting 1: Threshold value Set to 80 %  
 Scenario: An Azure Monitor alert for VM1 must be configured to meet the following requirements:  
 ? Be triggered when average CPU usage exceeds 80 percent for 15 minutes.  
 ? Calculate CPU usage averages once every minute.  
 Setting 2: Aggregation granularity Set to 15 minutes.

**NEW QUESTION 206**

DRAG DROP - (Topic 2)

You need to implement Project6. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

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

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

Deployment gates ⓘ + Add ▾

**Query Work Items** Enabled ⓘ

Query Work Items ⓘ

Task version  ▾

Display name \*

Query \* ⓘ  ▾

Upper threshold \* ⓘ

Advanced ^

Lower threshold \* ⓘ

Output Variables ^

Reference name ⓘ

Variables list

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

Evaluation options ▾

Note: A case for release gate is:

Incident and issues management. Ensure the required status for work items, incidents, and issues. For example, ensure deployment occurs only if no priority zero bugs exist, and validation that there are no active incidents takes place after deployment.

References:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/release/deploy-using-approvals?view=azure-devops#configure-gate>

**NEW QUESTION 207**

DRAG DROP - (Topic 2)

You need to configure Azure Automation for the computer in Group7.

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

Actions	Answer Area
Run the <code>Import-AzureRmAutomationDscConfiguration</code> Azure PowerShell cmdlet.	
Create a Desired State Configuration (DSC) configuration file that has an extension of <code>.ps1</code> .	
Run the <code>New-AzureRmResourceGroupDeployment</code> Azure PowerShell cmdlet. <span style="float: right;">⏪ ⏩</span>	⏪ ⏩
Run the <code>Start-AzureRmAutomationDscCompilationJob</code> Azure PowerShell cmdlet.	
Create an Azure Resource Manager template file that has an extension of <code>.json</code> .	

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Step 1: Create a Desired State Configuration (DSC) configuration file that has an extension of `.ps1`.

Step 2: Run the `Import-AzureRmAutomationDscConfiguration` Azure Powershell cmdlet The `Import-AzureRmAutomationDscConfiguration` cmdlet imports an APS Desired State Configuration (DSC) configuration into Azure Automation. Specify the path of an APS script that contains a single DSC configuration.

Example:

```
PS C:\>Import-AzureRmAutomationDscConfiguration -AutomationAccountName "Contoso17"-ResourceGroupName "ResourceGroup01" -SourcePath "C:\DSC\client.ps1" - Force
```

This command imports the DSC configuration in the file named `client.ps1` into the Automation account named `Contoso17`. The command specifies the `Force` parameter. If there is an existing DSC configuration, this command replaces it.

Step 3: Run the `Start-AzureRmAutomationDscCompilationJob` Azure Powershell cmdlet The `Start-AzureRmAutomationDscCompilationJob` cmdlet compiles an

APS Desired State Configuration (DSC) configuration in Azure Automation.

References:

<https://docs.microsoft.com/en-us/powershell/module/azurermsautomation/import-azurermsautomationdscconfiguration>

<https://docs.microsoft.com/en-us/powershell/module/azurermsautomation/start-azurermsautomationdsc compilationjob>

**NEW QUESTION 208**

HOTSPOT - (Topic 1)

HOTSPOT

You are using PowerShell to administer Azure Log Analytics workspaces. You need to list the available workspaces and their properties.

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

NOTE: Each correct selection is worth one point.

<input type="text"/>	<input type="text"/>	Microsoft.OperationalInsights/workspaces - ExpandProperties
Get-AzResource	-ResourceGroupName	
Get-AzResourceGroup	-ResourceId	
Get-AzResourceProvider	-ResourceType	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Get-AzResource

Use the following command to examine the access control mode for all workspaces in the subscription:

PowerShell

Get-Az Resource -Resource Type Microsoft. Operational Insights/workspaces -Expand Properties | for each {s.Name + ": " + \$\_.Properties.features.enableLogAccessUsingOnlyResourcePermissions

**NEW QUESTION 211**

HOTSPOT - (Topic 1)

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

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

Required secrets:

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

Storage location:

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

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

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

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

**NEW QUESTION 214**

HOTSPOT - (Topic 1)

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

NOTE: Each correct selection is worth one point.

Build agent:

Release agent:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: A source control system

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

Box 2: A hosted service

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

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

References:

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

**NEW QUESTION 215**

- (Topic 1)

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

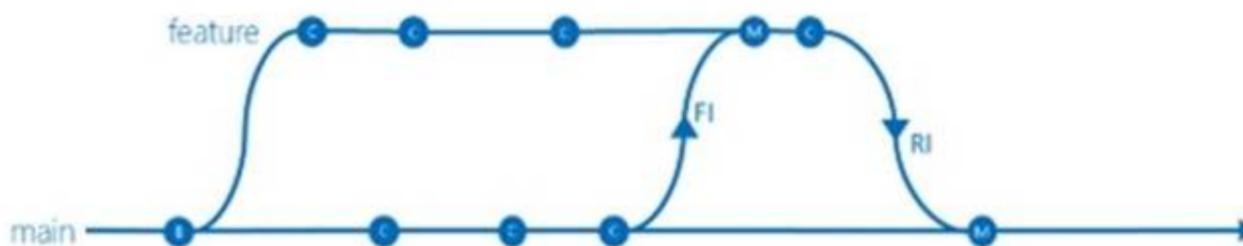
- A. release isolation
- B. main only
- C. development isolation
- D. feature isolation

**Answer:** D

**Explanation:**

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

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



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

**NEW QUESTION 216**

DRAG DROP - (Topic 1)

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Reader

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

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

Box 2: Owner

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

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

**NEW QUESTION 218**

- (Topic 1)

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

- A. Change the value of the ConfigurationMode parameter.
- B. Replace the Register-AzureRmAutomationDscNode cmdlet with Register-AzureRmAutomationScheduledRunbook
- C. Add the AllowModuleOverwrite parameter.
- D. Add the DefaultProfile parameter.

**Answer:** A

**Explanation:**

Change the ConfigurationMode parameter from ApplyOnly to ApplyAndAutocorrect.

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

Scenario: Current Technical Issue

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

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

## Register-AzureRmAutomationDscNode

```
-ResourceGroupName 'TestResourceGroup'  
-AutomationAccountName 'LitwareAutomationAccount'  
-AzureVMName $vmanme  
-ConfigurationMode 'ApplyOnly'
```

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

### NEW QUESTION 220

- (Topic 4)

You have an Azure web app named webapp1 that uses the .NET Core runtime stack. You have an Azure Application Insights resource named AppInsight1. Webapp1 sends telemetry data to AppInsights1.

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

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

**Answer: B**

### NEW QUESTION 221

- (Topic 4)

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

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

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

**Answer: D**

### NEW QUESTION 224

- (Topic 4)

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

You provision an Azure key vault name Keyvault1.

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

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

**Answer: C**

#### Explanation:

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

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

Reference:

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

### NEW QUESTION 226

- (Topic 4)

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

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

**Answer: D**

### NEW QUESTION 228

- (Topic 4)

You have an Azure subscription that contains multiple Azure pipelines.

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

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

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

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

D. directed monitoring

**Answer:** C

**Explanation:**

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

**NEW QUESTION 233**

- (Topic 4)

Your company is building a mobile app that targets Android devices and OS devices. Your team uses Azure DevOps to manage all work items and release cycles. You need to recommend a solution to perform the following tasks:

- Collect crash reports for issue analysis
- Distribute beta releases to your testers.
- Get user feedback on the functionality of new apps. What should you include in the recommendation?

- A. Jenkins integration
- B. Azure Application Insights widgets
- C. the Microsoft Test & Feedback extension
- D. Microsoft Visual Studio App Center integration

**Answer:** D

**Explanation:**

The "Exploratory Testing" extension is now "Test & Feedback" and is now Generally Available.

Anyone can now test web apps and give feedback, all directly from the browser on any platform: Windows, Mac, or Linux. Available for Google Chrome and Mozilla Firefox (required version 50.0 or above) currently. Support for Microsoft Edge is in the pipeline and will be enabled once Edge moves to a Chromium-compatible web platform.

References:

<https://marketplace.visualstudio.com/items?itemName=ms.vss-exploratorytesting-web>

**NEW QUESTION 237**

HOTSPOT - (Topic 4)

Your company uses Git as a source code control system for a complex app named App1. You plan to add a new functionality to App1.

You need to design a branching model for the new functionality.

Which branch lifetime and branch type should you use in the branching model? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Branch lifetime:

	▼
Long-lived	
Short-lived	

Branch type:

	▼
Master	
Feature	
Integration	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Branch lifetime: Short-lived

Branch type: Feature

Feature branches are used when developing a new feature or enhancement which has the potential of a development lifespan longer than a single deployment. When starting development, the deployment in which this feature will be released may not be known. No matter when the feature branch will be finished, it will always be merged back into the master branch.

References: <https://gist.github.com/digitaljhelms/4287848>

**NEW QUESTION 239**

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 endpoint.

Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or soon to view content  
 NOTE: Each correct selection n worth one point.

Components	Answer Area
A deployment group	Ten virtual machines hosted in Azure: <input type="text"/>
A management group	
A resource group	Ten virtual machines hosted in an on-premises data center environment: <input 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 241**

- (Topic 4)

You have a GitHub repository.

You create a new repository in Azure DevOps.

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

What should you recommend?

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

**Answer:** D

**Explanation:**

You can import an existing Git repo from GitHub, Bitbucket, GitLab, or other location into a new or empty existing repo in your project in Azure DevOps.

Import into a new repo

? Select Repos, Files.

? From the repo drop-down, select Import repository.

? If the source repo is publicly available, just enter the clone URL of the source repository and a name for your new Git repository.

References:

<https://docs.microsoft.com/en-us/azure/devops/repos/git/import-git-repository?view=azure-devops>

**NEW QUESTION 243**

- (Topic 4)

You have an Azure subscription that contains resources in several resource groups.

You need to design a monitoring strategy that will provide a consolidated view. The solution must support the following requirements:

- Support role-based access control (RBAC) by using Azure Active Directory (Azure AD) identities.
- Include visuals from Azure Monitor that are generated by using the Kusto query language.
- Support documentation written in markdown.
- Use the latest data available for each visual.

What should you use to create the consolidated view?

- A. Azure Data Explorer
- B. Azure dashboards
- C. Azure Monitor
- D. Microsoft Power BI

**Answer:** A

**Explanation:**

There are several tools available for running queries in Azure Data Explorer, including Kusto.

Kusto uses a role-based access control (RBAC) model, under which authenticated principals are mapped to roles, and get access according to the roles they're assigned.

Note: Azure Data Explorer is a highly scalable and secure analytics service that enables you to do rich exploration of structured and unstructured data for instant insights. Optimized for ad-hoc queries, Azure Data Explorer enables rich data exploration over raw, structured, and semi-structured data delivering fast time to insight. Query with a modern, intuitive query language that offers fast, ad-hoc, and advanced query capabilities

over high-rate data volumes and varieties

Reference:

<https://docs.microsoft.com/en-us/azure/data-explorer/tools-integrations-overview>

**NEW QUESTION 248**

- (Topic 4)

You need to configure GitHub to use Azure Active Directory (Azure AD) for authentication. What should you do first?

- A. Create a conditional access policy in Azure AD.
- B. Modify the Security settings of the GitHub organization.
- C. Create an Azure Active Directory B2C (Azure AD B2C) tenant.
- D. Register GitHub in Azure AD.

**Answer:** D

**Explanation:**

When you connect to a Git repository from your Git client for the first time, the credential manager prompts for credentials. Provide your Microsoft account or Azure AD credentials.

Note: Git Credential Managers simplify authentication with your Azure Repos Git repositories. Credential managers let you use the same credentials that you use for the

Azure DevOps Services web portal. Credential managers support multi-factor authentication through Microsoft account or Azure Active Directory (Azure AD).

Besides supporting multi-factor authentication with Azure Repos, credential managers also support two-factor authentication with GitHub repositories.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/repos/git/set-up-credential-managers>

**NEW QUESTION 251**

DRAG DROP - (Topic 4)

You have a GitHub organization that contains three users named User 1, User2, and User3. You have a project that contains a repository named repo1. You need to configure permissions for repo1. The solution must meet the following requirements:

- Ensure that User 1 can actively push to repo1.
- Ensure that User2 can manage issues and pull requests for repo1.
- Ensure that User3 can manage repo1.

Prevent User3 from accessing sensitive data

In repo1. Which role should you assign to each use?

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**NEW QUESTION 253**

- (Topic 4)

Your company has a project in Azure DevOps for a new web application. The company uses Service Now for change management.

You need to ensure that a change request is processed before any components can be deployed to the production environment.

What are two ways to integrate into the Azure DevOps release pipeline? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Define a deployment control that invokes the Service Now SOAP API.
- B. Define a post deployment gate after the deployment to the QA stage.
- C. Define a deployment control that invokes the ServiceNow REST API.
- D. Define a pre deployment gate before the deployment to the Prod stage.

**Answer:** AB

**Explanation:**

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

**NEW QUESTION 254**

- (Topic 4)

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

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

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

What should you include in the recommendation?

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

**Answer:** C

**Explanation:**

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

Reference:

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

**NEW QUESTION 258**

DRAG DROP - (Topic 4)

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

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

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

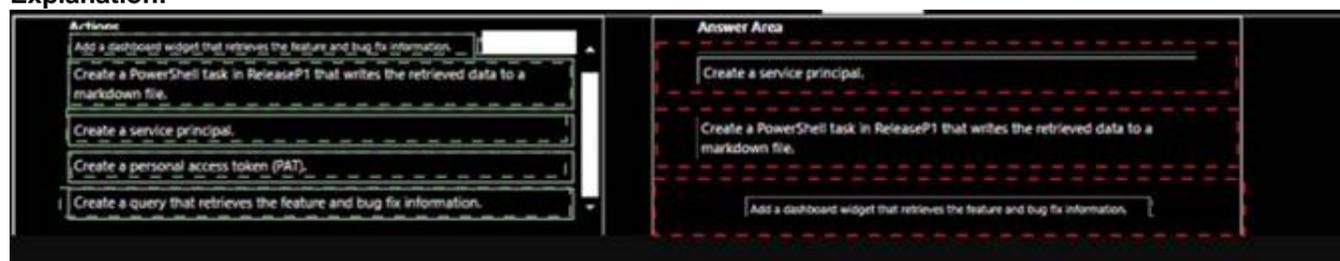
NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.



- A. Mastered
- B. Not Mastered

**Answer:** A

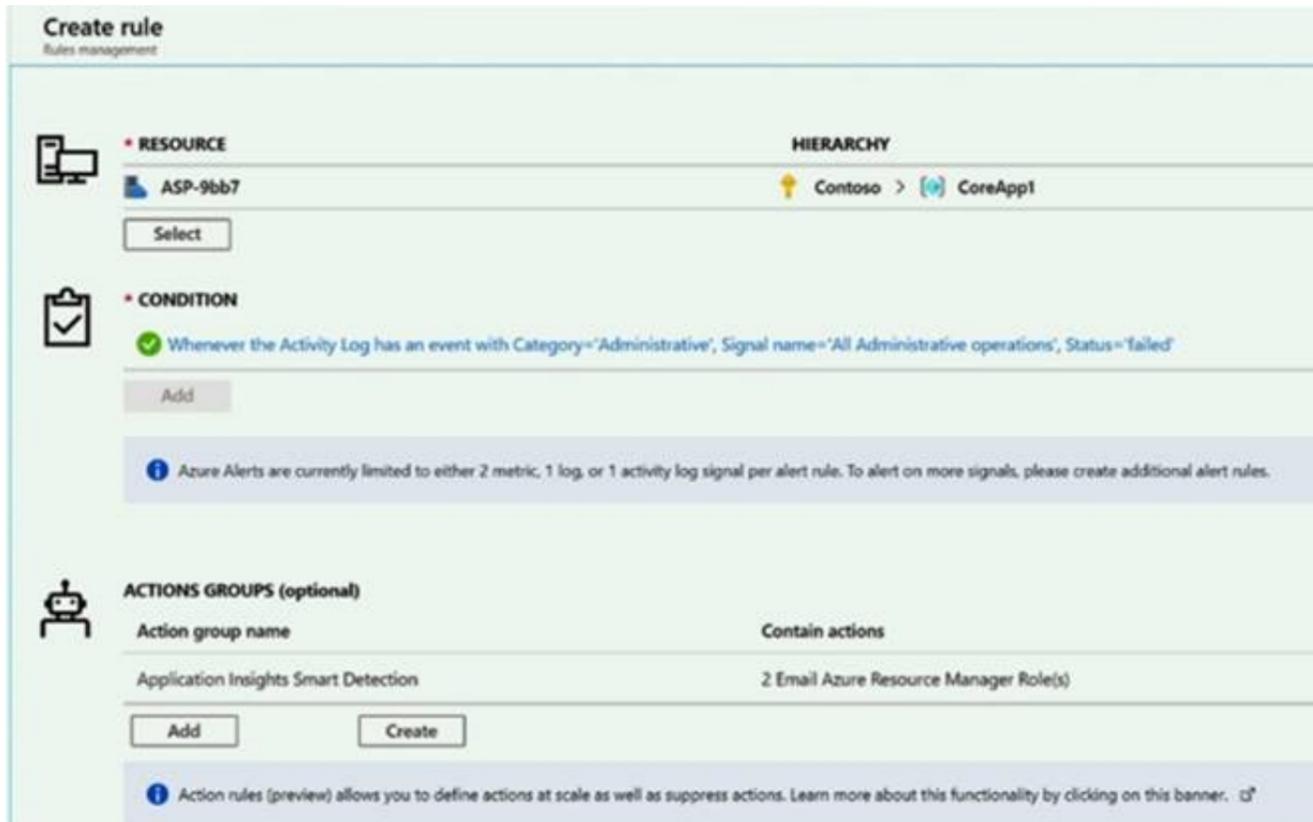
**Explanation:**



**NEW QUESTION 263**

- (Topic 4)

You create an alert rule in Azure Monitor as shown in the following exhibit.



Which action will trigger an alert?

- A. a failed attempt to delete the ASP-9bb7 resource
- B. a change to a role assignment for the ASP-9bb7 resource
- C. a successful attempt to delete the ASP-9bb7 resource
- D. a failed attempt to scale up the ASP-9bb7 resource

**Answer:** A

**NEW QUESTION 267**

- (Topic 4)

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

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

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

TestSuite1 fails intermittently.

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

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

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**NEW QUESTION 269**

- (Topic 4)

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

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

NOTE: Each correct selection is worth one point.

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

**Answer:** CDE

**Explanation:**

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

**NEW QUESTION 274**

DRAG DROP - (Topic 4)

You are implementing an Azure DevOps strategy for mobile devices using App Center. You plan to use distribution groups to control access to releases.

You need to create the distribution groups shown in the following table.

Name	Use
Group1	Application testers who are invited by email
Group2	Early release users who use unauthenticated public links
Group3	Application testers for all the apps of your company

Which type of distribution group should you use for each group? To answer, drag the appropriate group types to the correct locations. Each group 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.

Answer Area

<input type="checkbox"/> Private	●	Group1: <input style="width: 80%;" type="text"/>
<input type="checkbox"/> Public	●	Group2: <input style="width: 80%;" type="text"/>
<input type="checkbox"/> Shared	●	Group3: <input style="width: 80%;" type="text"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box1: Private

In App Center, distribution groups are private by default. Only testers invited via email can access the releases available to this group.

Box 2: Public

Distribution groups must be public to enable unauthenticated installs from public links.

Box 3: Shared

Shared distribution groups are private or public distribution groups that are shared across multiple apps in a single organization.

**NEW QUESTION 275**

- (Topic 4)

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

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

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

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

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

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

**Answer:** A

**Explanation:**

Branch policies help teams protect their important branches of development.

Policies enforce your team's code quality and change management standards. Reference:

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

**NEW QUESTION 280**

- (Topic 4)

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

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

What should you do?

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

**Answer:** B

**Explanation:**

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

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

References:

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

**NEW QUESTION 282**

**SIMULATION - (Topic 4)**

You need to configure a virtual machine named VM1 to securely access stored secrets in an Azure Key Vault named az400-11566895-kv. To complete this task, sign in to the Microsoft Azure portal.

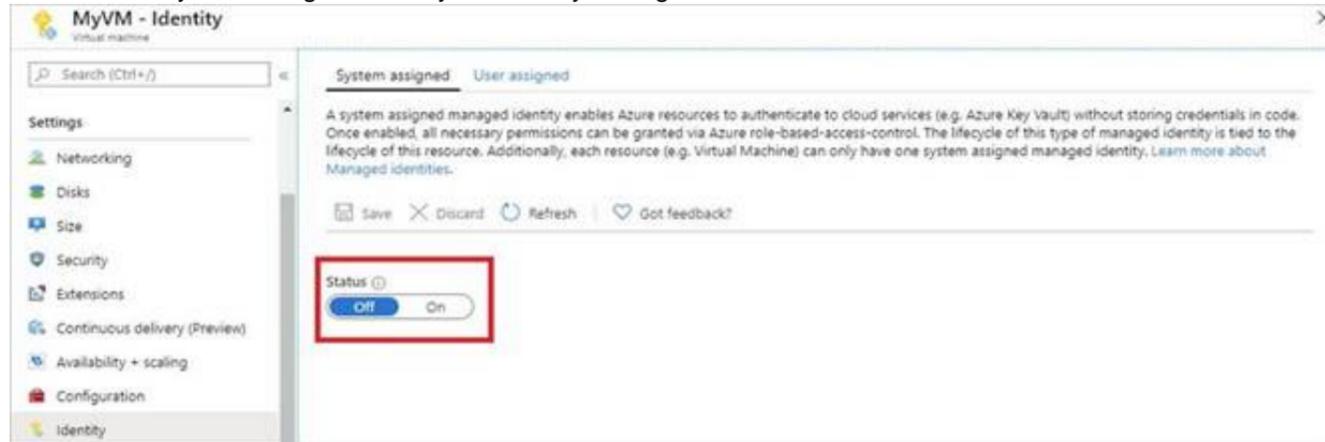
- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

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

- ? Sign in to Azure portal
- ? Locate virtual machine VM1.
- ? Select Identity
- ? Enable the system-assigned identity for VM1 by setting the Status to On.



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

**NEW QUESTION 283**

- (Topic 4)

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

You use a Git repository for applications source control.

You plan to create a new branch from an existing pull request. Later, you plan to merge the new branch and the target branch of the pull request.

You need to use a pull request action to create the new branch. The solution must ensure that the branch uses only a portion of the code in the pull request.

Which pull request action should you use?

- A. Set as default branch
- B. Approve with suggestions
- C. Cherry-pick
- D. Reactivate
- E. Revert

**Answer: C**

**Explanation:**

Cherry-pick a pull request

To copy changes made in a pull request to another branch in your repo, follow these steps:

? In a completed pull request, select Cherry-pick, or for an active pull request, select Cherry-pick from the ... menu. Cherry-picking a pull request in this way creates a new branch with the copied changes. Merge into a target branch in a second pull request.

? In Target branch, enter the branch you want to merge the copied changes.

? In Topic branch name, enter a new branch to contain the copied changes, then select Cherry-pick.

? Select Create pull request to merge the topic branch into the target branch to complete the cherry-pick.

Reference:

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

**NEW QUESTION 287**

SIMULATION - (Topic 4)

You have a web app that connects to an Azure SQL Database named db1.

You need to configure db1 to send Query Store runtime statistics to Azure Log Analytics. To complete this task, sign in to the Microsoft Azure portal.

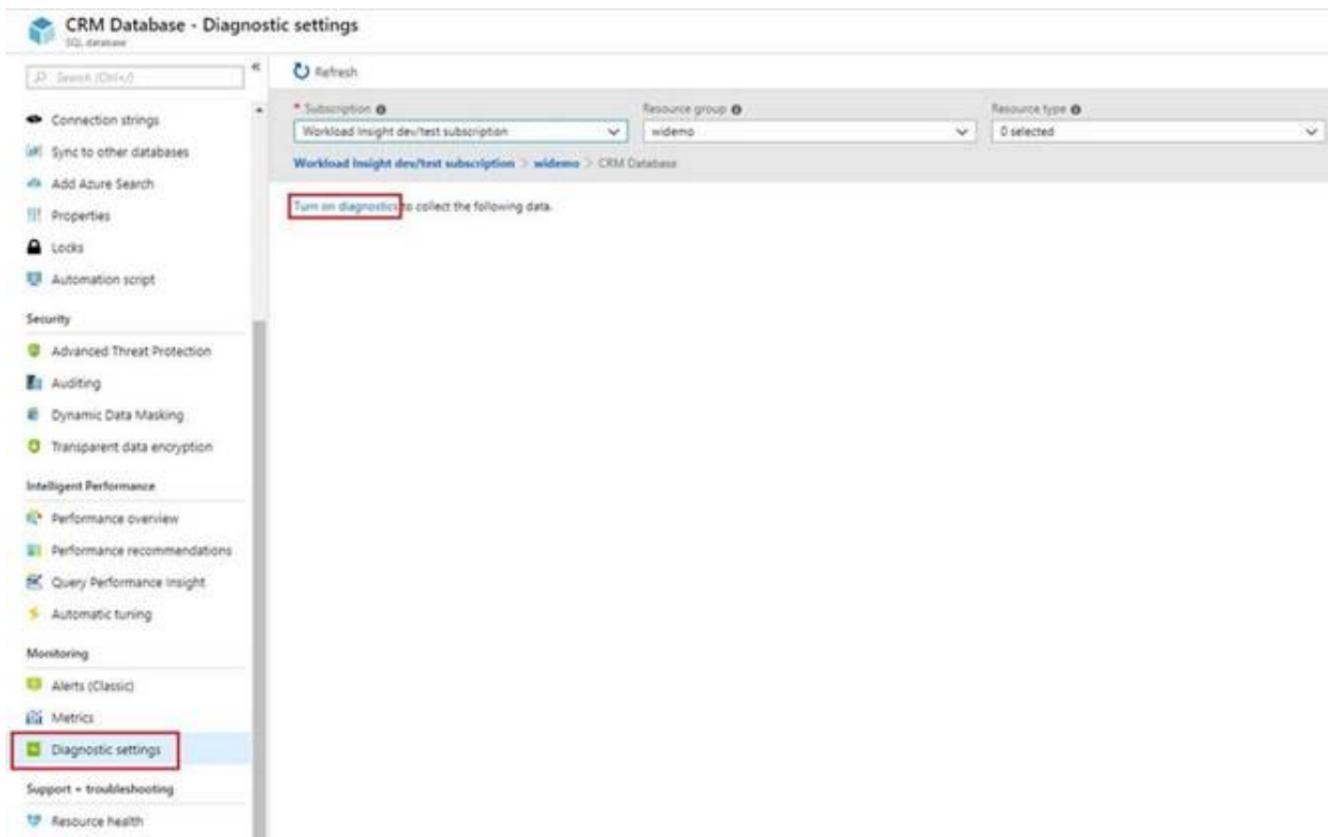
A.

**Answer: Seesolutionbelow.**

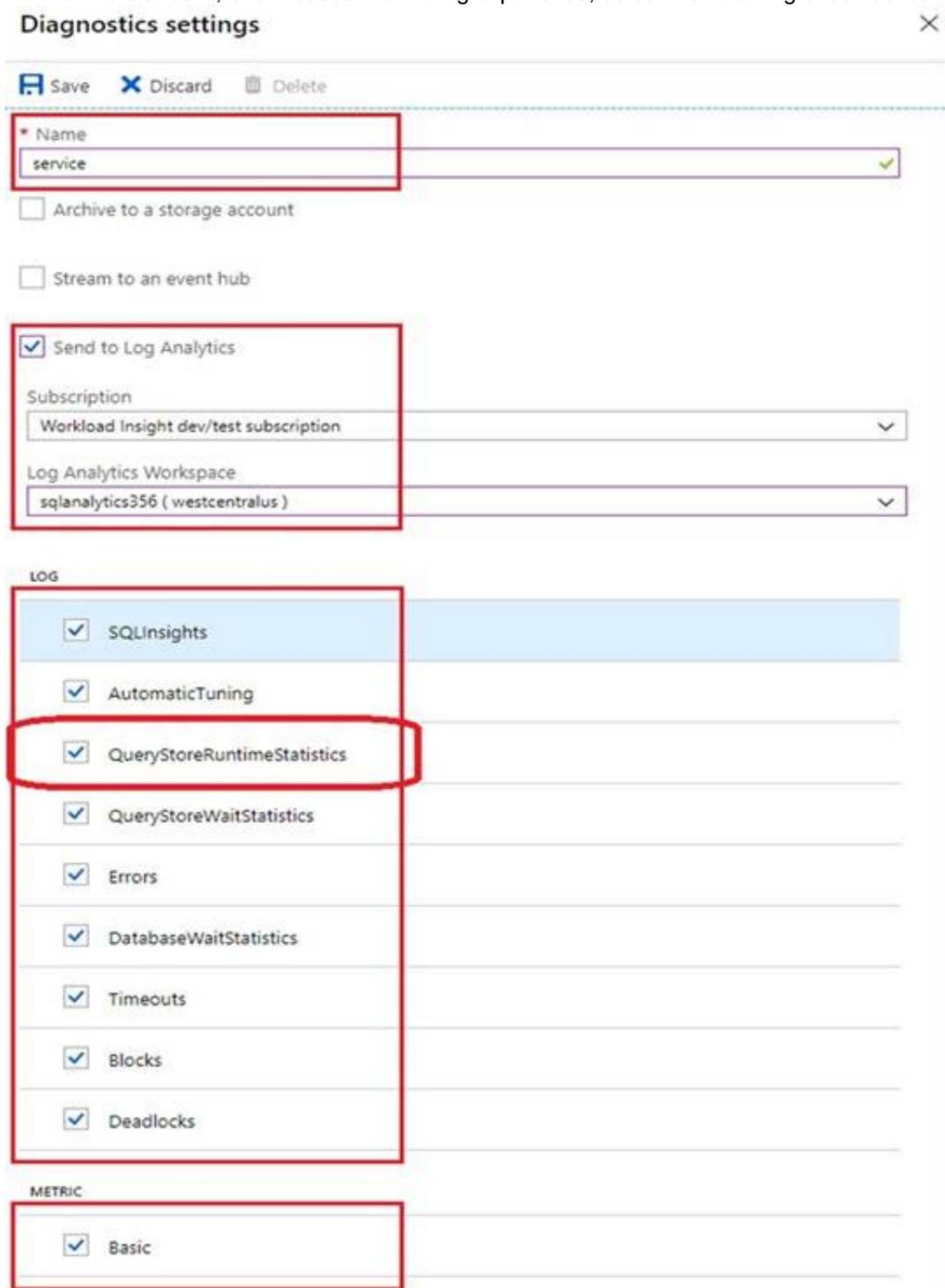
**Explanation:**

To enable streaming of diagnostic telemetry for a single or a pooled database, follow these steps:

- \* 1. Go to Azure SQL database resource.
- \* 2. Select Diagnostics settings.
- \* 3. Select Turn on diagnostics if no previous settings exist, or select Edit setting to edit a previous setting. You can create up to three parallel connections to stream diagnostic telemetry.
- \* 4. Select Add diagnostic setting to configure parallel streaming of diagnostics data to multiple resources.



- \* 5. Enter a setting name for your own reference.
- \* 6. Select a destination resource for the streaming diagnostics data: Archive to storage account, Stream to an event hub, or Send to Log Analytics.
- \* 7. For the standard, event-based monitoring experience, select the following check boxes for database diagnostics log telemetry: QueryStoreRuntimeStatistics



- \* 8. For an advanced, one-minute-based monitoring experience, select the check box for Basic metrics.
- \* 9. Select Save.

**NEW QUESTION 288**

- (Topic 4)

You have a build pipeline in Azure Pipelines. You create a Slack App Integration. You need to send build notifications to a Slack channel named #Development. What should you do first?

- A. Configure a service connection.
- B. Create a service hook subscription.
- C. Create a project-level notification.
- D. Create a global notification.

**Answer: B**

**Explanation:**

Create a service hook for Azure DevOps with Slack to post messages to Slack in response to events in your Azure DevOps organization, such as completed builds, code changes, pull requests, releases, work items changes, and more.

Note:

- \* 1. Go to your project Service Hooks page: [https://{orgName}/{project\\_name}/\\_settings/serviceHooksSelect](https://{orgName}/{project_name}/_settings/serviceHooksSelect) Create Subscription.
- \* 3. Choose the types of events you want to appear in your Slack channel.
- \* 4. Paste the Web Hook URL from the Slack integration that you created and select Finish.
- \* 5. Now, when the event you configured occurs in your project, a notification appears in your team's Slack channel.

Reference:

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

**NEW QUESTION 292**

- (Topic 4)

You have an Azure DevOps organization named Contoso and an Azure subscription.

You use Azure DevOps to build and deploy a web app named App1. Azure Monitor is configured to generate an email notification in response to alerts generated whenever App1 generates a server-side error.

You need to receive notifications in Microsoft Teams whenever an Azure Monitor alert is generated.

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

- A. Create an Azure logic app that has an HTTP request trigger.
- B. Modify the Diagnostics settings in Azure Monitor.
- C. Modify an action group in Azure Monitor.
- D. Create an Azure Monitor workbook.
- E. Create an Azure logic app that has an Azure DevOps trigger.

**Answer: AB**

**Explanation:**

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/action-groups-logic-app>

**NEW QUESTION 296**

- (Topic 4)

You have the following Azure policy.

```

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

```

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

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

**Answer: B**

**Explanation:**

Denies non HTTPS traffic.

**NEW QUESTION 301**

- (Topic 4)

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

changes to a branch in Azure Repos.

Solution: You add a trigger to the build pipeline. Does this meet the goal?

- A. Yes
- B. NO

**Answer:** B

**Explanation:**

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

References:

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

**NEW QUESTION 303**

- (Topic 4)

You are creating a build pipeline in Azure Pipelines.

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

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

What should you do?

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

**Answer:** B

**NEW QUESTION 306**

- (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 307**

- (Topic 4)

You manage build pipelines and deployment pipelines by using Azure DevOps.

Your company has a team of 500 developers. New members are added continually to the team.

You need to automate the management of users and licenses whenever possible. Which task must you perform manually?

- A. modifying group memberships
- B. procuring licenses
- C. adding users
- D. assigning entitlements

**Answer:** B

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/devops/organizations/accounts/migrate-to-group-based-resource-management?view=vsts&tabs=new-nav>

<https://docs.microsoft.com/en-us/rest/api/azure/devops/memberentitlementmanagement/?view=azure-devops-rest-5.0>

**NEW QUESTION 310**

- (Topic 4)

You have an Azure subscription that contains four Azure virtual machines.

You need to configure the virtual machines to use a single identity. The solution must meet the following requirements:

- Ensure that the credentials for the identity are managed automatically.
- Support granting privileges to the identity. Which type of identity should you use?

- A. a service principal
- B. a user-assigned managed identity
- C. a system-assigned managed identity
- D. a user account

**Answer:** C

**Explanation:**

System-assigned managed identities enable Azure resources to authenticate to cloud services without storing credentials in code. They also support granting privileges to the identity, making them the ideal choice for this scenario. Source: Microsoft

**NEW QUESTION 311**

- (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 Monitor, create an action group.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

An action group is a collection of notification preferences defined by the owner of an Azure subscription. Azure Monitor, Service Health and Azure Advisor alerts use action groups to notify users that an alert has been triggered.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/alerts/action-groups>

**NEW QUESTION 312**

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