

## Exam Questions AZ-400

Microsoft Azure DevOps Solutions (beta)

<https://www.2passeasy.com/dumps/AZ-400/>



### NEW QUESTION 1

- (Exam Topic 4)

HOTSPOT

You need to create deployment files for an Azure Kubernetes Service (AKS) cluster. The deployments must meet the provisioning storage requirements shown in the following table.

Deployment	Requirement
Deployment 1	Use files stored on an SMB-based share from the container's file system.
Deployment 2	Use files on a managed disk from the container's file system.
Deployment 3	Securely access X.509 certificates from the container's file system.

Which resource type should you use for each deployment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Deployment 1:

▼

☐ azurekeyvault-flexvolume  
☐ blobfuse-flexvol  
☐ kubernetes.io/azure-disk  
☐ kubernetes.io/azure-file  
☐ volume.beta.kubernetes.io/storage-provisioner

Deployment 2:

▼

☐ azurekeyvault-flexvolume  
☐ blobfuse-flexvol  
☐ kubernetes.io/azure-disk  
☐ kubernetes.io/azure-file  
☐ volume.beta.kubernetes.io/storage-provisioner

Deployment 3:

▼

☐ azurekeyvault-flexvolume  
☐ blobfuse-flexvol  
☐ kubernetes.io/azure-disk  
☐ kubernetes.io/azure-file  
☐ volume.beta.kubernetes.io/storage-provisioner

- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

Deployment 1: Kubernetes.io/azure-file

You can use Azure Files to connect using the Server Message Block (SMB) protocol. Deployment 2: Kubernetes.io/azure-disk

Deployment 3: azurekeyvault-flexvolume

azurekeyvault-flexvolume: Key Vault FlexVolume: Seamlessly integrate your key management systems with Kubernetes.

Secrets, keys, and certificates in a key management system become a volume accessible to pods. Once the volume is mounted, its data is available directly in the container filesystem for your application.

### NEW QUESTION 2

- (Exam Topic 4)

You have the services shown in the following table.

Name	Interface type
Service1	HTTP
Service2	HTTPS

You manage a project by using Azure Boards.

You need to notify the services Of build Status changes. Which services can be notified by using a webhook?

- A. Service1 only
- B. Service2 only

C. Service1 and Service2 only

**Answer:** C

### NEW QUESTION 3

- (Exam Topic 4)

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

You need to ensure that all the open source libraries comply with your company's licensing standards.

Which service should you use?

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

**Answer:** C

#### Explanation:

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

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

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

### NEW QUESTION 4

- (Exam Topic 4)

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

The application will use Azure functions to write some data to Azure Storage.

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

Which feature should you use?

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

**Answer:** C

#### Explanation:

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

### NEW QUESTION 5

- (Exam Topic 4)

Your team uses Azure Pipelines to deploy applications.

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

What should you do?

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

**Answer:** C

### NEW QUESTION 6

- (Exam Topic 4)

You have a private project in Azure DevOps.

You need to ensure that a project manager can create custom work item queries to report on the project's progress. The solution must use the principle of least privilege.

To which security group should you add the project manager?

- A. Project Collection Administrators
- B. Reader
- C. Project Administrators
- D. Contributor

**Answer:** D

#### Explanation:

Contributors have permissions to contribute fully to the project code base and work item tracking. The main permissions they don't have or those that manage or administer resources.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/organizations/security/permissions>

<https://docs.microsoft.com/en-us/azure/devops/organizations/security/permissions-access-work-tracking?view=a>

## NEW QUESTION 7

- (Exam 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 an Octopus Tentacle on an on-premises machine. Use the Package Application task in the build pipeline.  
 Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

### Explanation:

Octopus Deploy is an automated deployment server that makes it easy to automate deployment of ASP.NET web applications, Java applications, NodeJS application and custom scripts to multiple environments.

Octopus can be installed on various platforms including Windows, Mac and Linux. It can also be integrated with most version control tools including VSTS and GIT. When you deploy software to Windows servers, you need to install Tentacle, a lightweight agent service, on your Windows servers so they can communicate with the Octopus server.

When defining your deployment process, the most common step type will be a package step. This step deploys your packaged application onto one or more deployment targets.

When deploying a package you will need to select the machine role that the package will be deployed to. References:

<https://octopus.com/docs/deployment-examples/package-deployments>

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

## NEW QUESTION 8

- (Exam Topic 4)

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

The solution must minimize administrative effort.

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

- A. Mastered
- B. Not Mastered

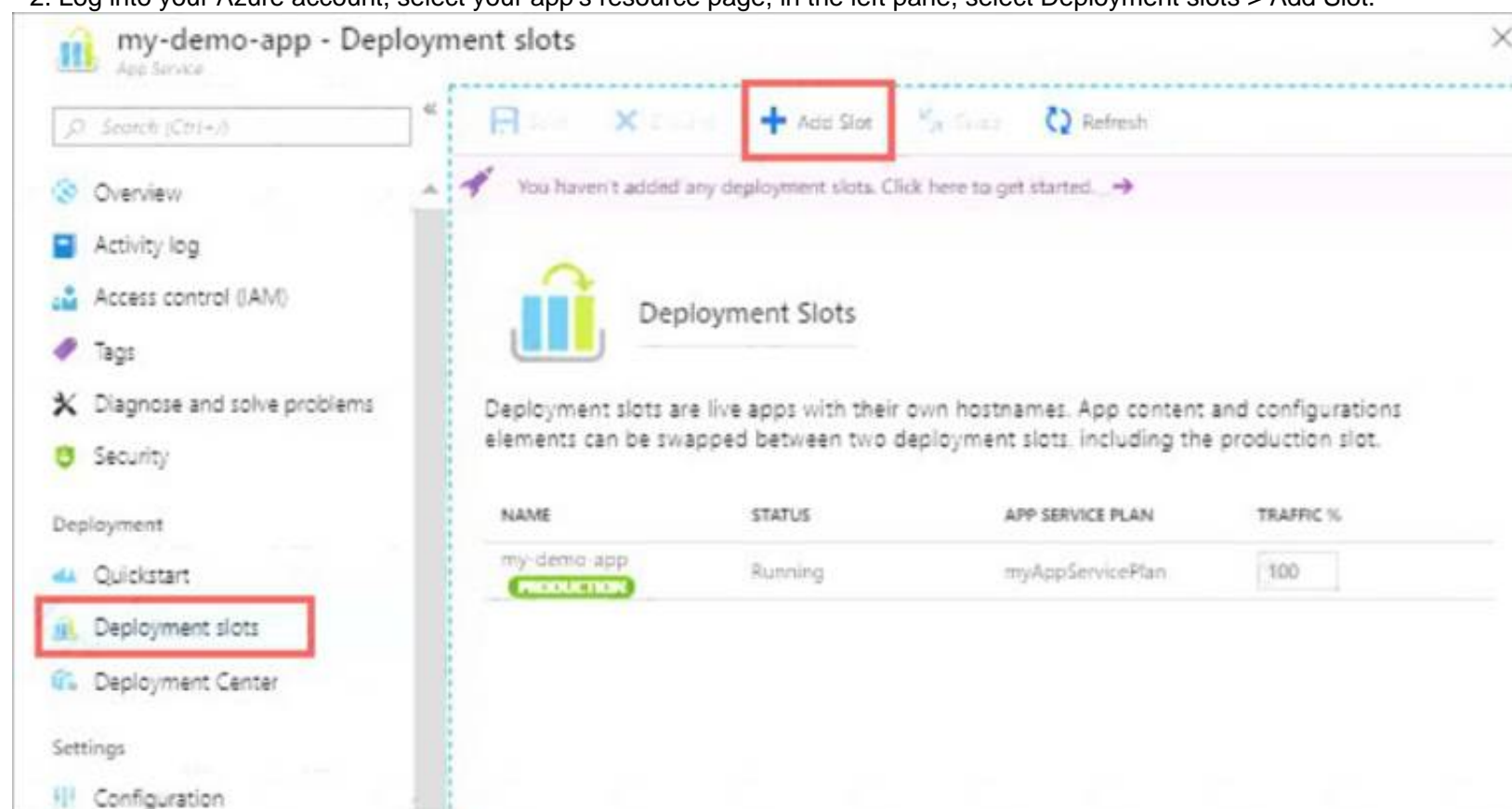
**Answer: A**

### Explanation:

Set up staging environments in Azure App Service

\* 1. Open Microsoft Azure Portal

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



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



Add a slot

Name

staging

Clone settings from:

Do not clone settings

Add

Close

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

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

my-demo-app - Deployment slots

Search (Ctrl+J)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Security

Deployment

Quickstart

Deployment slots

Deployment Center

Settings

Configuration

Deployment Slots

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

NAME	STATUS	APP SERVICE PLAN	TRAFFIC %
my-demo-app	Running	myAppServicePlan	100
my-demo-app-staging	Running	myAppServicePlan	0

\* 6. Change TRAFFIC % to 10 References:

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

## NEW QUESTION 9

- (Exam Topic 4)

Your company has an Azure subscription named Subscription1. Subscription1 is associated to an Azure Active Directory tenant named contoso.com.

You need to provision an Azure Kubernetes Services (AKS) cluster in Subscription1 and set the permissions for the cluster by using RBAC roles that reference the identities in contoso.com.

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

### Answer Area

#### Objects

a system-assigned managed identity

a cluster

an application registration in contoso.com

an RBAC binding

A. Mastered  
 B. Not Mastered

Answer: A

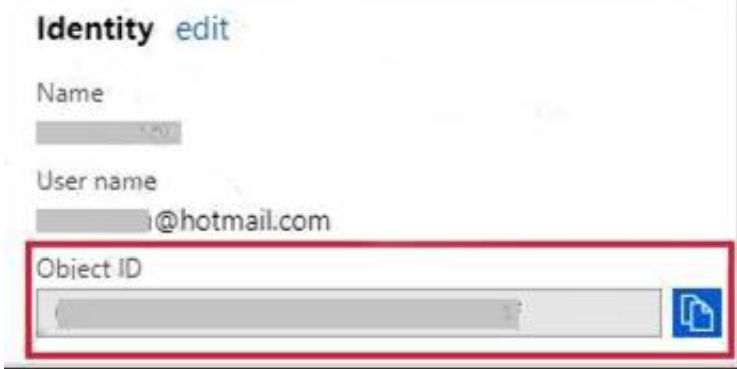
Explanation:

Step 1: Create an AKS cluster

Step 2: a system-assigned managed identity

To create an RBAC binding, you first need to get the Azure AD Object ID.

- Sign in to the Azure portal.
- In the search field at the top of the page, enter Azure Active Directory.
- Click Enter.
- In the Manage menu, select Users.
- In the name field, search for your account.
- In the Name column, select the link to your account.
- In the Identity section, copy the Object ID.



Step 3: a RBAC binding Reference:

<https://docs.microsoft.com/en-us/azure/developer/ansible/aks-configure-rbac>

NEW QUESTION 10

- (Exam Topic 4)

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

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

**Actions**

Grant the system-assigned managed identity Certificate permissions for the key vault.

Create an Azure key vault and store the key.

Configure the key vault properties for the cluster.

Grant the system-assigned managed identity Key permissions for the key vault.

Create an Azure Monitor Logs dedicated cluster that has a system-assigned managed identity.

Link the Log Analytics workspace to the cluster.

**Answer Area**

1

2

3

4

5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**Actions**

Grant the system-assigned managed identity Certificate permissions for the key vault.

Create an Azure key vault and store the key.

Configure the key vault properties for the cluster.

Grant the system-assigned managed identity Key permissions for the key vault.

Create an Azure Monitor Logs dedicated cluster that has a system-assigned managed identity.

Link the Log Analytics workspace to the cluster.

**Answer Area**

1 Create an Azure key vault and store the key.

2 Configure the key vault properties for the cluster.

3 Grant the system-assigned managed identity Key permissions for the key vault.

4 Create an Azure Monitor Logs dedicated cluster that has a system-assigned managed identity.

5 Link the Log Analytics workspace to the cluster.

NEW QUESTION 10

- (Exam Topic 4)

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

You need to automate the assignment of the code reviews. The solution must meet the following requirements: Prioritize the assignment of code reviews to team members who have the fewest outstanding assignments.

Ensure that each team member performs an equal number of code reviews in any 30-day period. Prevent the assignment of code reviews to the team leader.

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

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

**Answer:** AE

**Explanation:**

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

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

Reference:

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

**NEW QUESTION 14**

- (Exam Topic 4)

Your team uses an agile development approach.

You need to recommend a branching strategy for the team's Git repository. The strategy must meet the following requirements.

Provide the ability to work on multiple independent tasks in parallel. Ensure that checked-in code remains in a releasable state always. Ensure that new features can be abandoned at any time.

Encourage experimentation. What should you recommend?

- A. a single long-running branch
- B. multiple long-running branches
- C. a single fork per team member
- D. a single-running branch with multiple short-lived topic branches

**Answer:** D

**NEW QUESTION 16**

- (Exam Topic 4)

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

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

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

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

You discover that deployments only fail 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 17**

- (Exam 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.

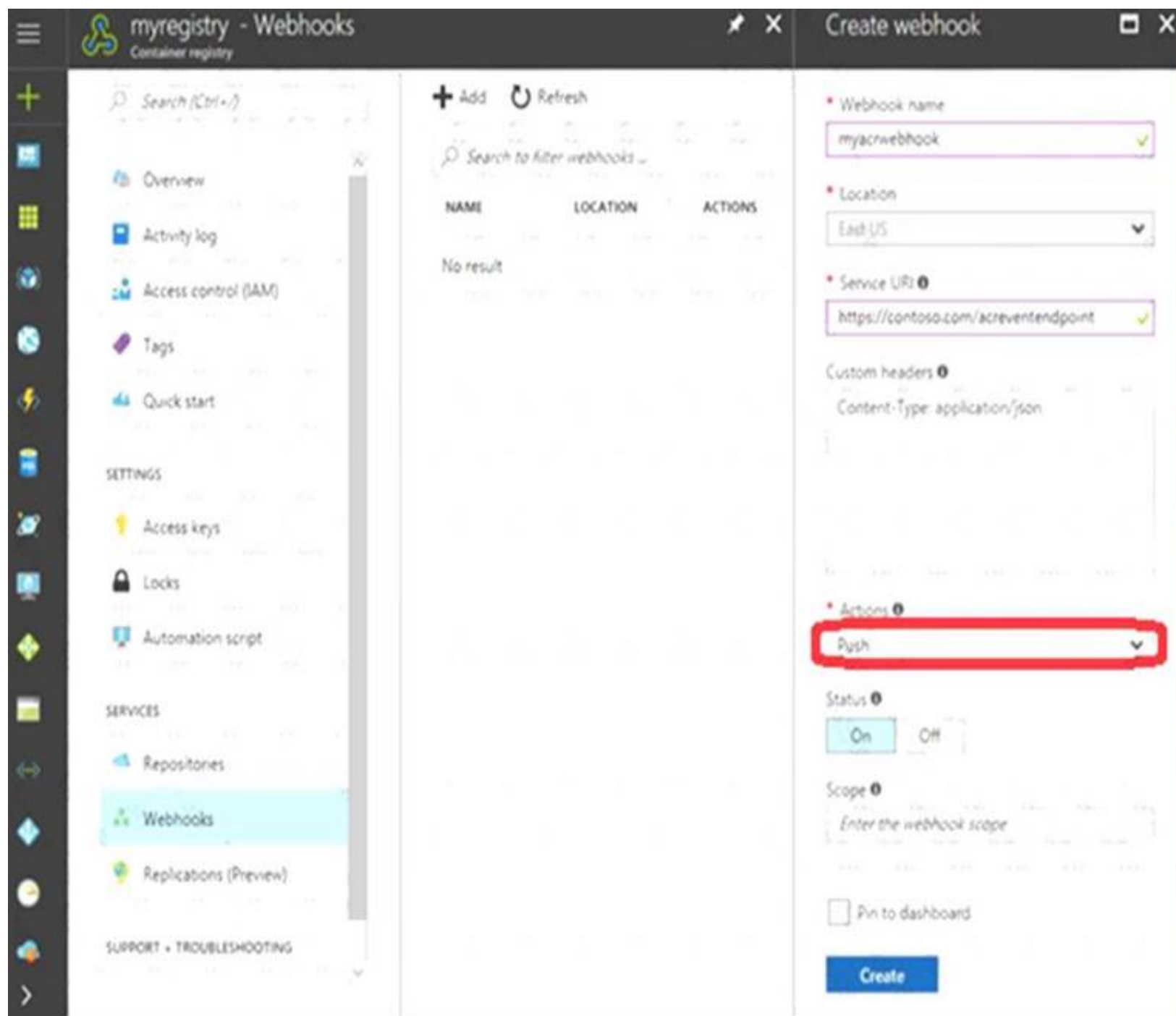
- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

- Sign in to the Azure portal.
- Navigate to the container registry az40010480345acr1.
- Under Services, select Webhooks.
- For Trigger actions select image push

Example web hook:



Reference:  
<https://docs.microsoft.com/en-us/azure/container-registry/container-registry-webhook>

## NEW QUESTION 22

- (Exam Topic 4)

You have an Azure DevOps organization named Contoso.

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

- A. From Azure DevOps
- B. configure a service hook subscription.
- C. From Microsoft Teams, configure a connector.
- D. From Microsoft Teams, add a channel.
- E. From Azure DevOps
- F. install an extension.
- G. From the Microsoft Teams admin center configure external access.

**Answer: A**

**Explanation:**

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

## NEW QUESTION 26

- (Exam 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 user?



Roles

Admin

Maintain

Read

Triage

Write

Answer Area

User1:

Role

User2:

Role

User3:

Role

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Roles

Admin

Maintain

Read

Triage

Write

Answer Area

User1:

Read

User2:

Maintain

User3:

Admin

NEW QUESTION 29

- (Exam Topic 4)

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

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

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

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

- > Licensing violations
- > Prohibited libraries

Solution: You implement pre-deployment gates. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead use implement continuous integration.

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

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

NEW QUESTION 34

- (Exam Topic 4)

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

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

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

Actions

Onboard the virtual machines to Azure Automation State Configuration.

Check the compliance status of the node.

Create a management group.

Assign the node configuration.

Compile a configuration into a node configuration.

Upload a configuration to Azure Automation State Configuration.

Assign tags to the virtual machines.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Assign the node configuration.  
You create a simple DSC configuration that ensures either the presence or absence of the Web-Server Windows Feature (IIS), depending on how you assign nodes.  
Step 2: Upload a configuration to Azure Automation State Configuration. You import the configuration into the Automation account.  
Step 3: Compiling a configuration into a node configuration  
Compiling a configuration in Azure Automation  
Before you can apply a desired state to a node, a DSC configuration defining that state must be compiled into one or more node configurations (MOF document), and placed on the Automation DSC Pull Server.  
Step 4: Onboard the virtual machines to Azure State Configuration  
Onboarding an Azure VM for management with Azure Automation State Configuration  
Step 5: Check the compliance status of the node.  
Viewing reports for managed nodes. Each time Azure Automation State Configuration performs a consistency check on a managed node, the node sends a status report back to the pull server. You can view these reports on the page for that node.  
On the blade for an individual report, you can see the following status information for the corresponding consistency check:  
The report status — whether the node is "Compliant", the configuration "Failed", or the node is "Not Compliant" (when the node is in ApplyandMonitor mode and the machine is not in the desired state).  
References: https://docs.microsoft.com/en-us/azure/automation/automation-dsc-getting-started

NEW QUESTION 35

- (Exam Topic 4)  
You have an Azure DevOps pipeline that is used to deploy a Node.js app. You need to ensure that the dependencies are cached between builds.  
How should you configure the deployment YAML? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.  
NOTE Each correct selection is worth one point.

Values

always()

build.sh

eq(variables.CACHE\_RESTORED, 'true')

integrationtest.sh

ne(variables.CACHE\_RESTORED, 'true')

npm install

Answer Area

Inputs:

key: 'npm | "\$(Agent.OS)" | package-lock.json'

restoreKeys: |

npm | "\$(Agent.OS)"

path: \$(npm\_config\_cache)

cacheHitVar: CACHE\_RESTORED

- script:

Value

condition:

Value

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values

always()

build.sh

eq(variables.CACHE\_RESTORED, 'true')

integrationtest.sh

ne(variables.CACHE\_RESTORED, 'true')

npm install

Answer Area

inputs:

key: 'npm | "\$(Agent.OS)" | package-lock.json'

restoreKeys: |

npm | "\$(Agent.OS)"

path: \$(npm\_config\_cache)

cacheHitVar: CACHE\_RESTORED

- script:

npm install

condition:

ne(variables.CACHE\_RESTORED, 'true')

### NEW QUESTION 37

- (Exam Topic 4)

Your company uses Azure DevOps.

Only users who have accounts in Azure Active Directory can access the Azure DevOps environment. You need to ensure that only devices that are connected to the on-premises network can access the Azure DevOps environment.

What should you do?

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

**Answer: D**

#### Explanation:

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

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

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

### NEW QUESTION 39

- (Exam 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 40

- (Exam Topic 4)

Your company deploys applications in Docker containers.

You want to detect known exploits in the Docker images used to provision the Docker containers.

You need to integrate image scanning into the application lifecycle. The solution must expose the exploits as early as possible during the application lifecycle.

What should you configure?

- A. a task executed in the continuous deployment pipeline and a scheduled task against a running production container.
- B. a task executed in the continuous integration pipeline and a scheduled task that analyzes the production container.
- C. a task executed in the continuous integration pipeline and a scheduled task that analyzes the image registry
- D. manual tasks performed during the planning phase and the deployment phase

**Answer: C**

#### Explanation:

You can use the Docker task to sign into ACR and then use a subsequent script to pull an image and scan the container image for vulnerabilities.

Use the docker task in a build or release pipeline. This task can be used with Docker or Azure Container registry.

References:

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

#### NEW QUESTION 45

- (Exam 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 DevOPs 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 46

- (Exam Topic 4)

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

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

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

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

Solution: Configure the build pipeline to use a Hosted Ubuntu agent pool. Include the Java Tool Installer task in the build pipeline. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### NEW QUESTION 47

- (Exam Topic 4)

Your company develops a client banking application that processes a large volume of data.

Code quality is an ongoing issue for the company. Recently, the code quality has deteriorated because of an increase in time pressure on the development team.

You need to implement static code analysis.

During which phase should you use static code analysis?

- A. build
- B. production release
- C. staging
- D. integration testing

**Answer:** A

#### Explanation:

The Secure Development Lifecycle (SDL) Guidelines recommend that teams perform static analysis during the implementation phase of their development cycle.

Note: The company should focus in particular on the implementation of DevOps tests to assess the quality of the software from the planning stage to the implementation phase of the project.

References: <https://secdevtools.azurewebsites.net/>

#### NEW QUESTION 48

- (Exam 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. Mastered
- B. Not Mastered

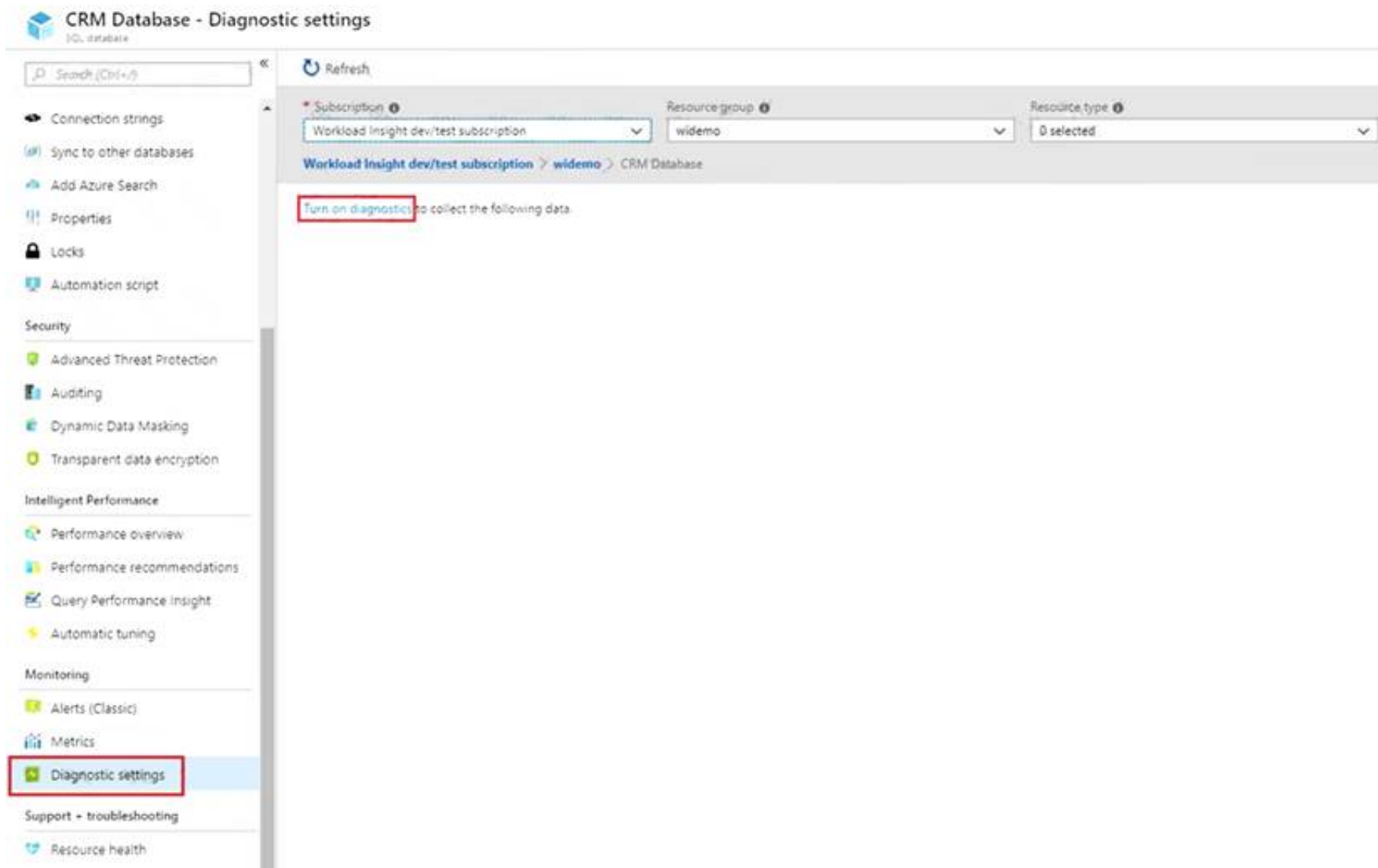
**Answer:** A

#### Explanation:

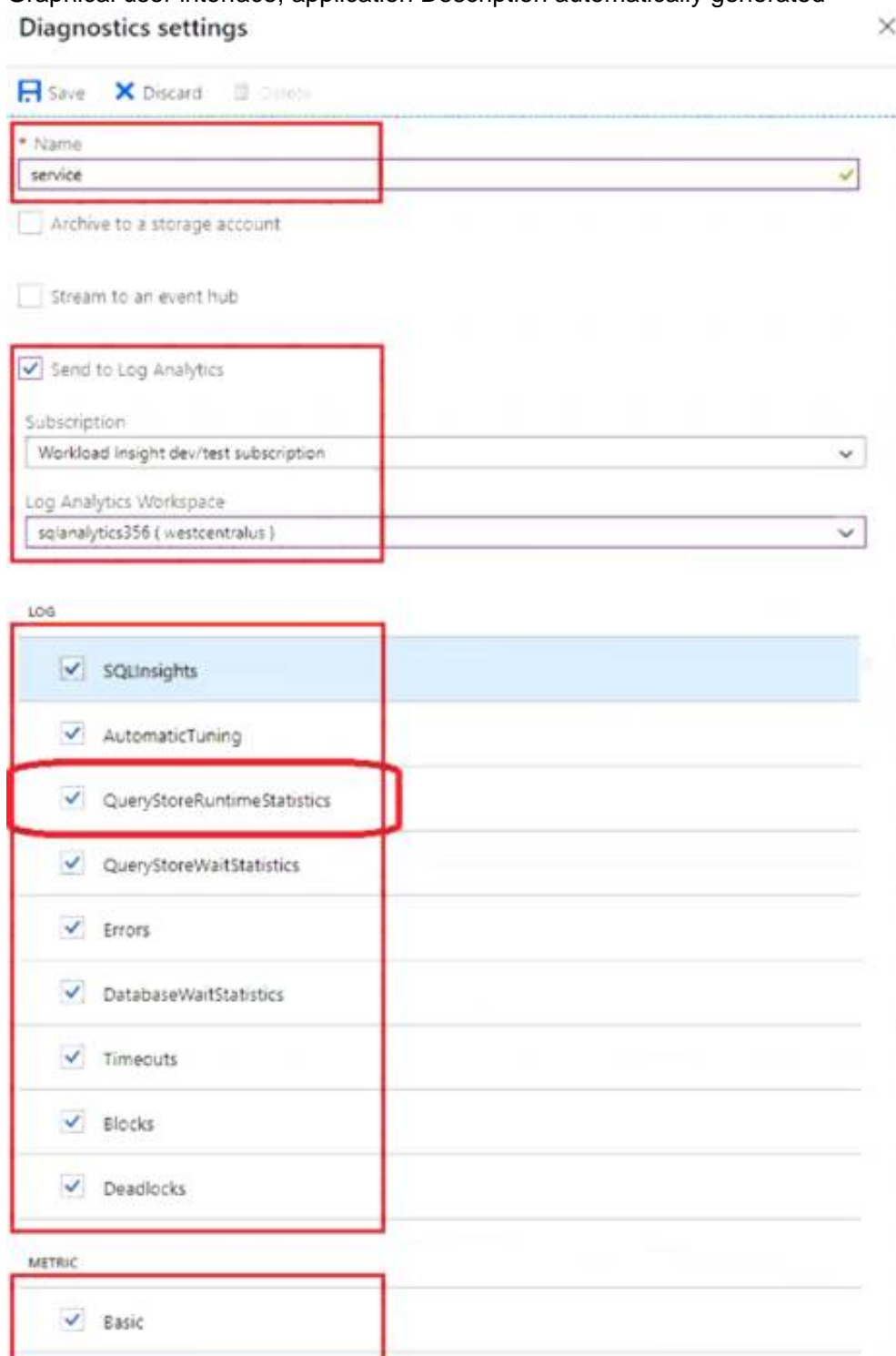
To enable streaming of diagnostic telemetry for a single or a pooled database, follow these steps:

- \* 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. Graphical user interface, text, application, email  
Description automatically generated





- \* 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
- Graphical user interface, application Description automatically generated



- \* 8. For an advanced, one-minute-based monitoring experience, select the check box for Basic metrics.
- \* 9. Select Save. Reference:  
<https://docs.microsoft.com/en-us/azure/azure-sql/database/metrics-diagnostic-telemetry-logging-streaming-expo>

#### NEW QUESTION 53

- (Exam 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/d80f81d6c98f8ce2c74b034309bb774ea8d3> <https://github.com/actions/virtual-environments/blob/master/images/win/Windows2016-Readme.md>

#### NEW QUESTION 58

- (Exam Topic 4)

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

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

What should you configure in Azure AD?

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

**Answer:** D

#### Explanation:

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

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

#### NEW QUESTION 59

- (Exam Topic 4)

Your company is building a new web application.

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

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

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

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

NOTE: Each correct selection is worth one point.

Developers: 

	▼
Basic	
Stakeholder	

Pilot users: 

	▼
Basic	
Stakeholder	

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: Basic

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

Box 2: Stakeholder

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

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

VS Enterprise: provides access to premium features

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

References: <https://docs.microsoft.com/en-us/azure/devops/organizations/security/access-levels?view=vsts>

#### NEW QUESTION 62

- (Exam Topic 4)

You have a project in Azure DevOps. You have an Azure Resource Group deployment project in Microsoft Visual Studio that is checked in to the Azure DevOps project.

You need to create a release pipeline that will deploy resources by using Azure Resource Manager templates. The solution must minimize administrative effort.

Which task type should you include in the solution?

- A. Azure Cloud Service Deployment
- B. Azure RM Web App Deployment
- C. Azure PowerShell
- D. Azure App Service Manage

**Answer:** C

**Explanation:**

There are two different ways to deploy templates to Azure DevOps Services. Both methods provide the same results, so choose the one that best fits your workflow.

\* 1. Add a single step to your build pipeline that runs the PowerShell script that's included in the Azure Resource Group deployment project (Deploy-AzureResourceGroup.ps1). The script copies artifacts and then deploys the template.

\* 2. Add multiple Azure DevOps Services build steps, each one performing a stage task.

The first option has the advantage of using the same script used by developers in Visual Studio and providing consistency throughout the lifecycle.

References:

<https://docs.microsoft.com/en-us/azure/vs-azure-tools-resource-groups-ci-in-vsts>

**NEW QUESTION 63**

- (Exam 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 66**

- (Exam Topic 4)

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

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

You have an Azure DevOps project.

Your build process creates several artifacts.

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

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

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

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

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

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

Reference:

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

**NEW QUESTION 67**

- (Exam Topic 4)

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

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

NOTE: Each correct selection is worth one point

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

**Answer:** AC

**NEW QUESTION 70**

- (Exam 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 73**

- (Exam Topic 4)

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

You use Azure DevOps to build a containerized app named Appl and deploy App1 to an Azure container instance named ACM.

You need to restart ACI1 when App1 stops responding. What should you do?

- A. Add a liveness probe to the YAML configuration of App1.
- B. Use Connection Monitor in Azure Network Watcher.
- C. Add a readiness probe to the YAML configuration of App1.
- D. Use IP flow verify in Azure Network Watcher.

**Answer:** A

**Explanation:**

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

**NEW QUESTION 77**

- (Exam Topic 4)

You are configuring Azure DevOps build pipelines. You plan to use hosted build agents.

Which build agent pool should you use to compile each application type? To answer, drag the appropriate built agent pools to the correct application types. Each build agent pool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Build Agent Pools	Answer Area
Hosted Windows Container	
Hosted Ubuntu 1604	
Hosted macOS	An application that runs on iOS: <input type="text"/>
Hosted	An Internet Information Services (IIS) web application that runs in Docker: <input type="text"/>
Default	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Hosted macOS

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

Box 2: Hosted

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

**NEW QUESTION 78**

- (Exam Topic 4)

You have a 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 81**

- (Exam 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 86**

- (Exam Topic 4)

You plane to store signed images in an Azure Container Registry instance named az4009940427acr1.

You need to modify the SKU for az4009940427acr1 to support the planned images. The solution must minimize costs.

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

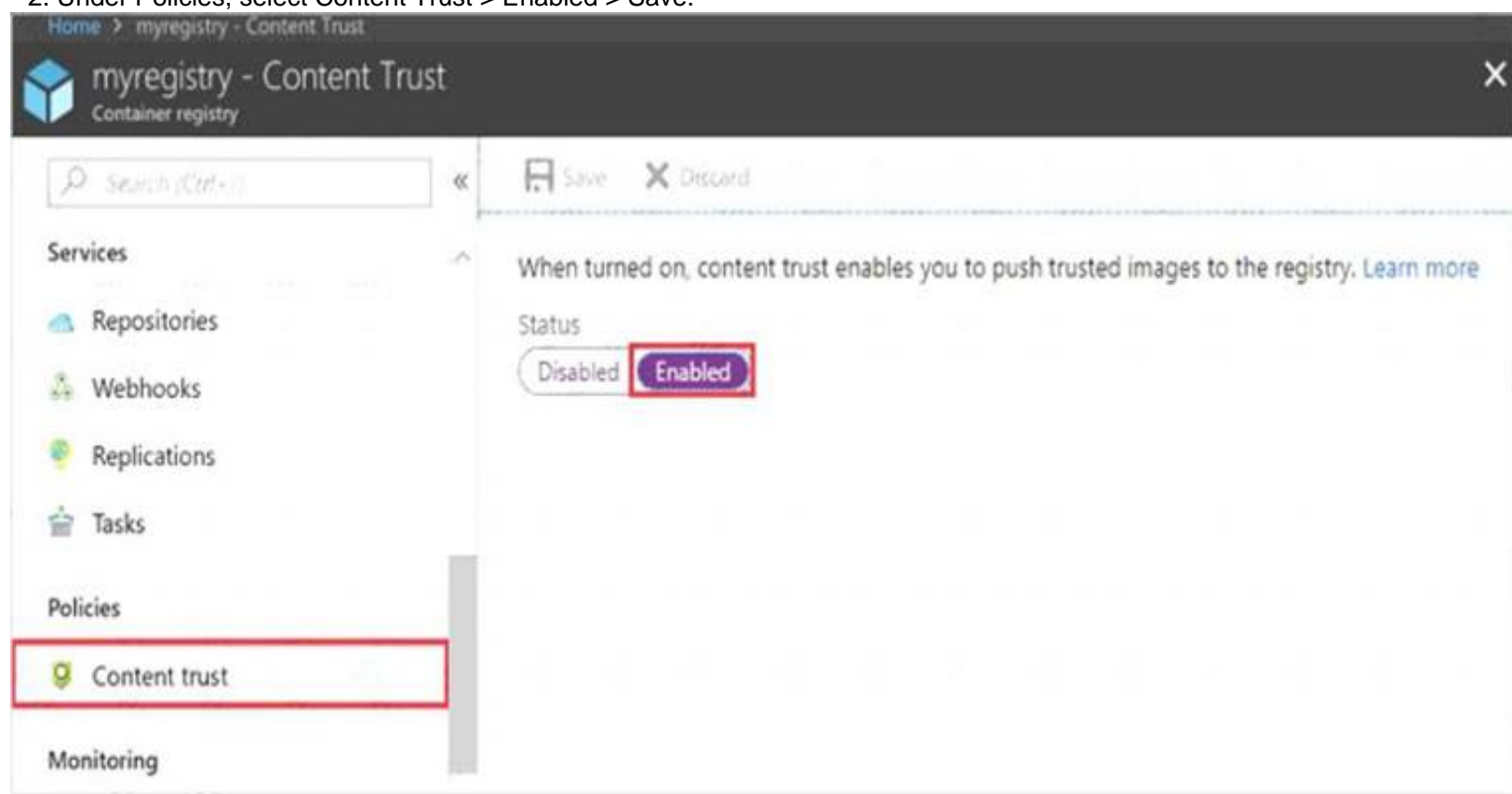
- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

\* 1. Open Microsoft Azure Portal, and select the Azure Container Registry instance named az4009940427acr1.

\* 2. Under Policies, select Content Trust > Enabled > Save.



References:

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

**NEW QUESTION 88**

- (Exam 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 92

- (Exam Topic 4)

You have a project in Azure DevOps.

You create the following YAML template named Template1.yml. steps:

- script: npm install
- script: yarn install
- script: npm run compile

You create the following pipeline named File1.yml. parameters:

usersteps:

- task: MyTask@1
- script: echo Done

You need to ensure that Template1.yml runs before File1.yml. How should you update File1.yml?

- A. parameters: usersteps: extends: template: template1.yml- task: MyTask@1 - script: echo Done
- B. template: template1.yml parameters: usersteps:- task: MyTask@1 - script: echo Done
- C. extends: template: template1.yml parameters: usersteps:- task: MyTask@1 - script: echo Done
- D. parameters: usersteps: - template: template1.yml- task: MyTask@1 - script: echo Done

**Answer: C**

#### Explanation:

Azure Pipelines offers two kinds of templates: includes and extends. Included templates behave like #include in C++; it's as if you paste the template's code right into the outer file, which references it. To continue the C++ metaphor, extends templates are more like inheritance: the template provides the outer structure of the pipeline and a set of places where the template consumer can make targeted alterations.

Example: extends:

template: template.yml@templates parameters:

usersteps:

- script: echo This is my first step
- script: echo This is my second step Reference:

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

#### NEW QUESTION 95

- (Exam 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:

Text Description automatically generated

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.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-flows> <https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-impact>

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

#### NEW QUESTION 98

- (Exam Topic 4)

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

- A. Create two container jobs.
- B. Change the self-hosted agent to use Red Hat Enterprise Linux (RHEL) 8.
- C. Add another self-hosted agent
- D. Add a Docker Compose task to the build pipelines.

**Answer:** A

#### NEW QUESTION 103

- (Exam Topic 4)

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

**Answer Area**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: 5 minutes

The alert must calculate the average once every minute.

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

Box 2: Static

Box 3: Greater than

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

- > Target resource: myAppServicePlan
- > Metric: Percentage CPU
- > Condition Type: Static
- > Dimensions
- > Instance = InstanceName1, InstanceName2
- > Time Aggregation: Average
- > Period: Over the last 5 mins
- > Frequency: 1 min
- > Operator: GreaterThan
- > Threshold: 70
- > Like before, this rule monitors if the average CPU usage for the last 5 minutes exceeds 70%.
- > Aggregation granularity

Reference:

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

#### NEW QUESTION 104

- (Exam Topic 4)

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

- A. Send to Log Analytics

- B. Stream to an event hub
- C. Archive to a storage account

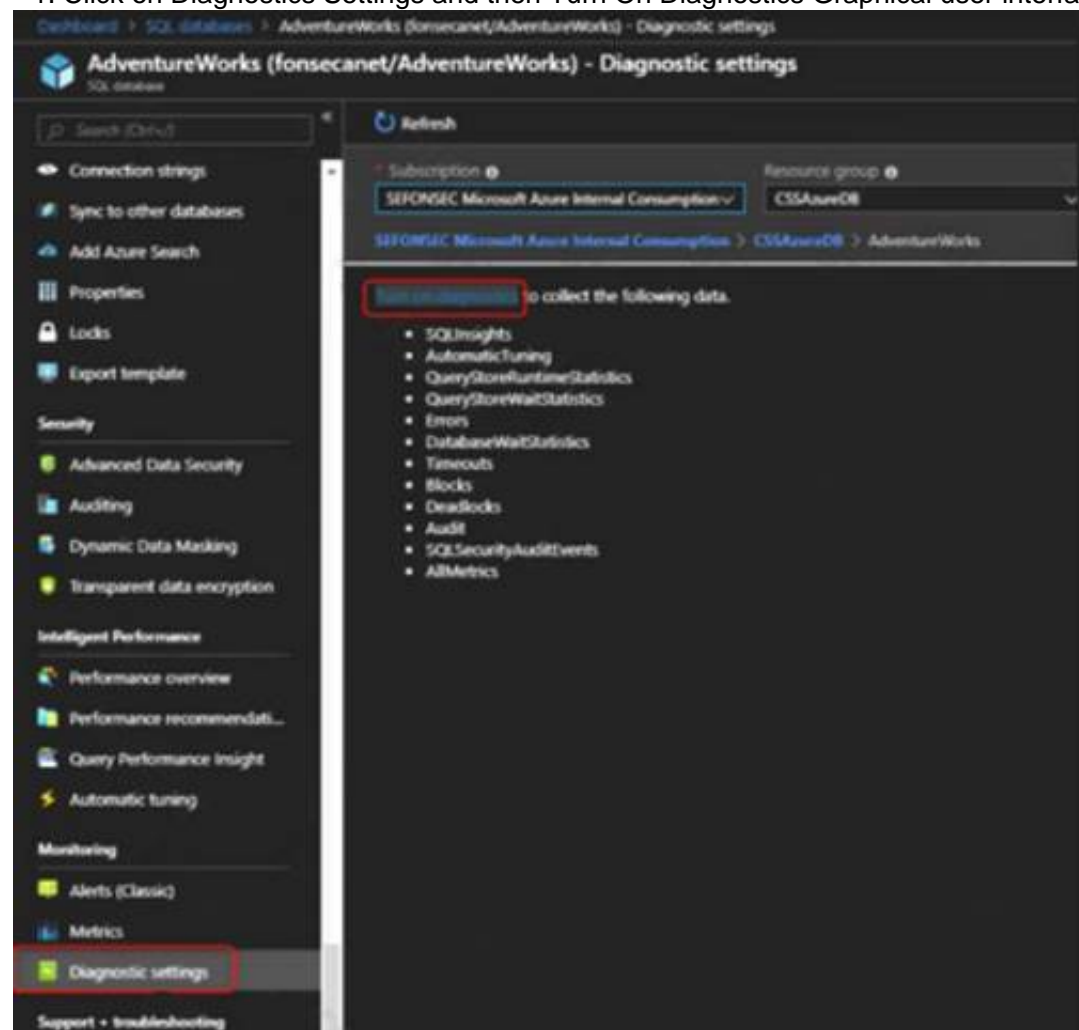
**Answer:** A

**Explanation:**

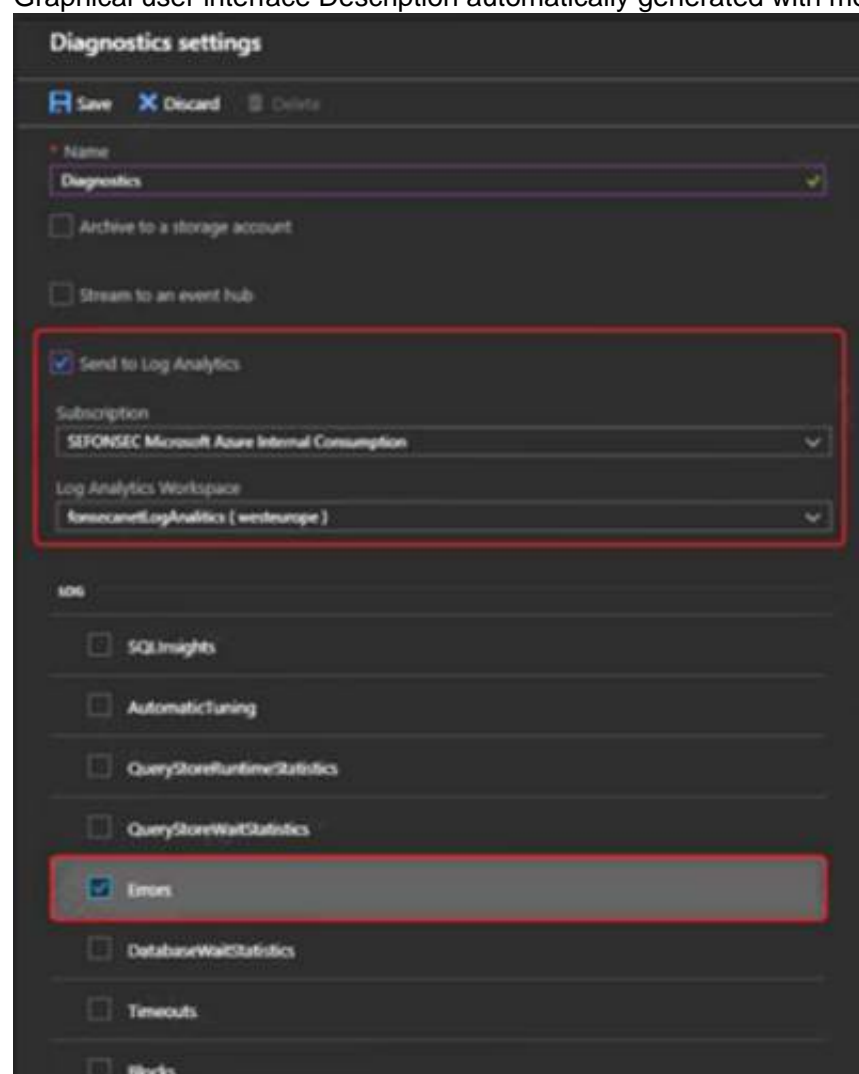
ENABLE DIAGNOSTICS TO LOG ANALYTICS

This configuration is done PER DATABASE

\* 1. Click on Diagnostics Settings and then Turn On Diagnostics Graphical user interface, text Description automatically generated



\* 2. Select to Send to Log Analytics and select the Log Analytics workspace. For this sample I will selected only Errors Graphical user interface Description automatically generated with medium confidence



Reference:

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

**NEW QUESTION 105**

- (Exam Topic 4)

You have an Azure Automation account that contains a runbook. The runbook is used to configure the application infrastructure of an Azure subscription.

You have a project in Azure DevOps named Project1. Project1 contains a repository that stores code for the runbook.

You need to ensure that every committed change to the code will update automatically and publish the runbook to Azure Automation.

What should you configure?



- A. the Connections settings for the Automation account
- B. the Service hooks settings for Project1
- C. the Source control settings for the Automation account
- D. the Service connections settings for Project1

**Answer:** C

#### NEW QUESTION 110

- (Exam Topic 4)

Your company uses cloud-hosted Jenkins for builds.

You need to ensure that Jenkins can retrieve source code from Azure Repos.

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

- A. Add the Team Foundation Server (TFS) plug-in to Jenkins.
- B. Create a personal access token m your Azure DevOps account.
- C. Create a webhook in Jenkins.
- D. Add a domain to your Jenkins account.
- E. Create a service hook m Azure DevOps.

**Answer:** ABE

#### Explanation:

References:

<https://blogs.msdn.microsoft.com/devops/2017/04/25/vsts-visual-studio-team-services-integration-with-jenkins/>

[http://](http://www.aisoftwarellc.com/blog/post/how-to-setup-automated-builds-using-jenkins-and-visual-studio-team-foundat)

[www.aisoftwarellc.com/blog/post/how-to-setup-automated-builds-using-jenkins-and-visual-studio-team-foundat](http://www.aisoftwarellc.com/blog/post/how-to-setup-automated-builds-using-jenkins-and-visual-studio-team-foundat)

#### NEW QUESTION 114

- (Exam Topic 4)

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

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

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

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

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

NOTE: Each correct selection is worth one point.

Permission type:

▼

Key

Secret

Certificate

Access method:

▼

Access policy

Service endpoint policy

Role-based access control (RBAC)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: Secret

Store credential in Azure Key Vault by reference secret stored in key vault. To reference a credential stored in Azure Key Vault, you need to:

- > Retrieve data factory managed identity
- > Grant the managed identity access to your Azure Key Vault. In your key vault -> Access policies -> Add Access Policy, search this managed identity to grant Get permission in Secret permissions dropdown. It allows this designated factory to access secret in key vault.
- > Create a linked service pointing to your Azure Key Vault.
- > Create data store linked service, inside which reference the corresponding secret stored in key vault.

Box 2: Access policy Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/store-credentials-in-key-vault>

#### NEW QUESTION 116

- (Exam Topic 4)

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

- Ten virtual machines hosted in Azure
- Ten virtual machines hosted in an on-premises data center environment All the virtual machines have the Azure Pipelines agent.

You need to implement a release strategy for deploying the application to the endpoints.

What should you recommend using to deploy the application to the endpoints? To answer, drag the appropriate components to the correct endpoints. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Components	Answer Area
A deployment group	
A management group	Ten virtual machines hosted in Azure: <input type="text"/>
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 120**

- (Exam Topic 4)

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

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

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

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

**Answer:** C

**Explanation:**

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

References:

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

**NEW QUESTION 125**

- (Exam Topic 4)

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

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

Your company uses Azure DevOps to manage the build and release processes for applications. You use a Git repository for applications source control.

You need to implement a pull request strategy that reduces the history volume in the master branch. Solution: You implement a pull request strategy that uses squash merges.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**NEW QUESTION 130**

- (Exam Topic 4)

You manage build and release pipelines by using Azure DevOps. Your entire managed environment resides in Azure.

You need to configure a service endpoint for accessing Azure Key Vault secrets. The solution must meet the following requirements:

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

How should you configure the service endpoint? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Service connection type:

	▼
Azure Resource Manager	
Generic service	
Team Foundation Server / Azure Pipelines service connection	

Authentication/authorization method for the connection:

	▼
Azure Active Directory OAuth 2.0	
Grant authorization	
Managed Service Identity Authentication	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Azure Pipelines service connection

Box 2: Managed Service Identity Authentication

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

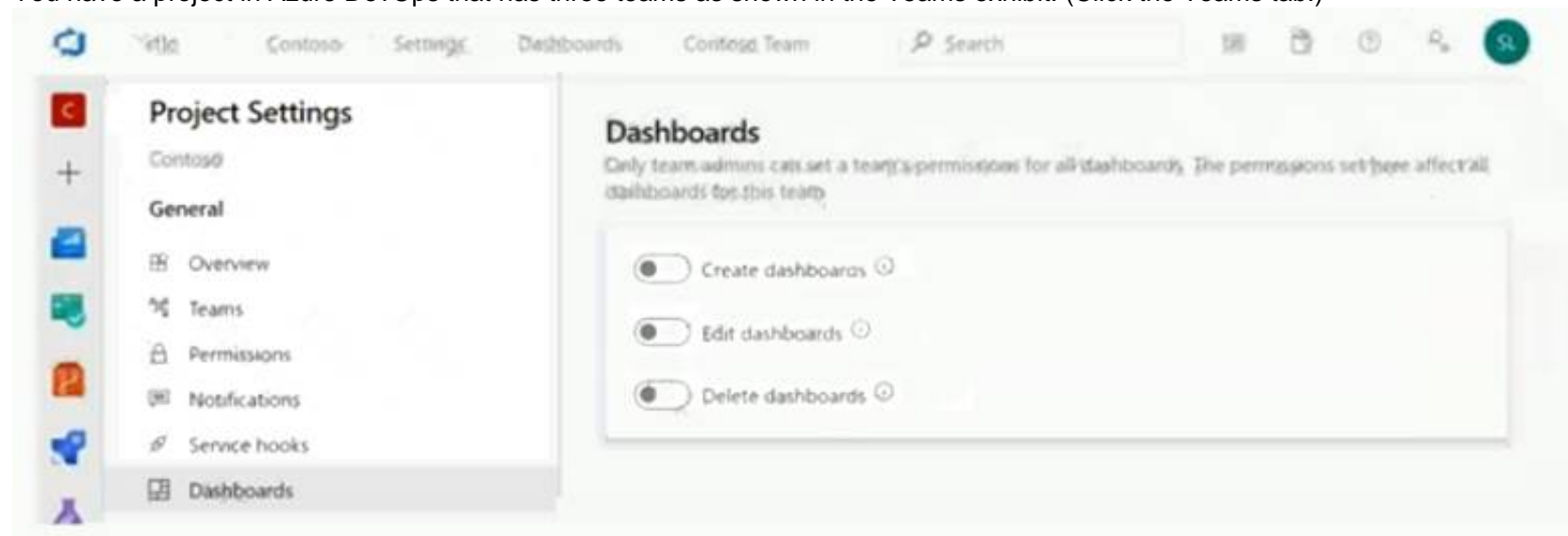
Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/deploy/azure-key-vault> <https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

### NEW QUESTION 131

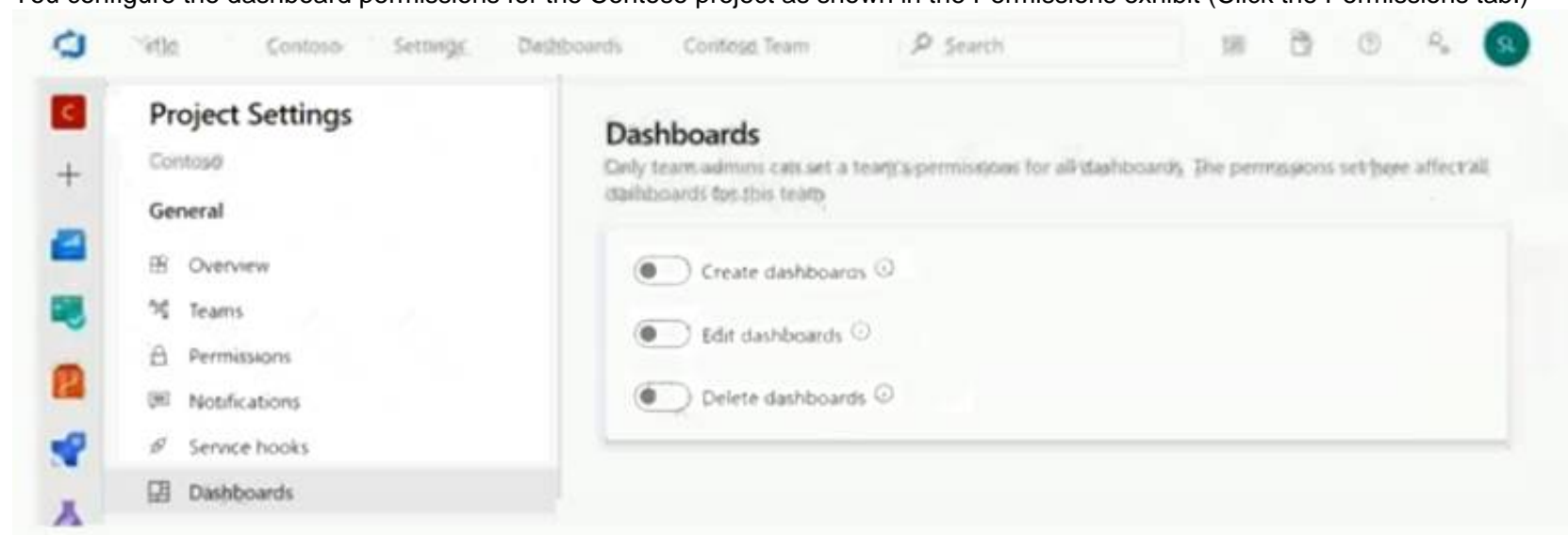
- (Exam Topic 4)

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



You create a new dashboard named Dash1.

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



All other permissions have the default values set.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

#### NEW QUESTION 134

- (Exam Topic 4)

You manage projects by using Azure Boards.

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

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

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

Answer: B

#### NEW QUESTION 138

- (Exam Topic 4)

You plan to deploy a runbook that will create Azure AD user accounts.

You need to ensure that runbooks can run the Azure PowerShell cmdlets for Azure Active Directory. To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Azure Automation now ships with the Azure PowerShell module of version 0.8.6, which introduced the ability to non-interactively authenticate to Azure using OrgId (Azure Active Directory user) credential-based authentication. Using the steps below, you can set up Azure Automation to talk to Azure using this authentication type.

Step 1: Find the Azure Active Directory associated with the Azure subscription to manage:

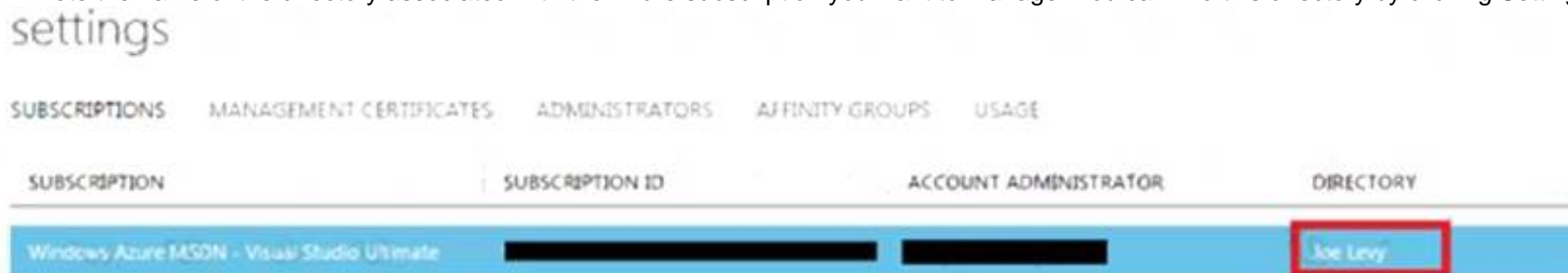
\* 1. Log in to the Azure portal as the service administrator for the Azure subscription you want to manage using

Azure Automation. You can find this user by logging in to the Azure portal as any user with access to this Azure subscription, then clicking Settings, then Administrators.





\* 2. Note the name of the directory associated with the Azure subscription you want to manage. You can find this directory by clicking Settings, then Subscriptions.



Step 2: Create an Azure Active Directory user in the directory associated with the Azure subscription to manage:

You can skip this step if you already have an Azure Active Directory user in this directory. and plan to use this OrgId to manage Azure.

\* 1. In the Azure portal click on Active Directory service.



\* 2. Click the directory name that is associated with this Azure subscription.

\* 3. Click on the Users tab and then click the Add User button.

\* 4. For type of user, select "New user in your organization." Enter a username for the user to create.

\* 5. Fill out the user's profile. For role, pick "User." Don't enable multi-factor authentication. Multi-factor accounts cannot be used with Azure Automation.

\* 6. Click Create.

\* 7. Jot down the full username (including part after @ symbol) and temporary password. Step 3: Allow this Azure Active Directory user to manage this Azure subscription.

\* 1. Click on Settings (bottom Azure tab under StorSimple)

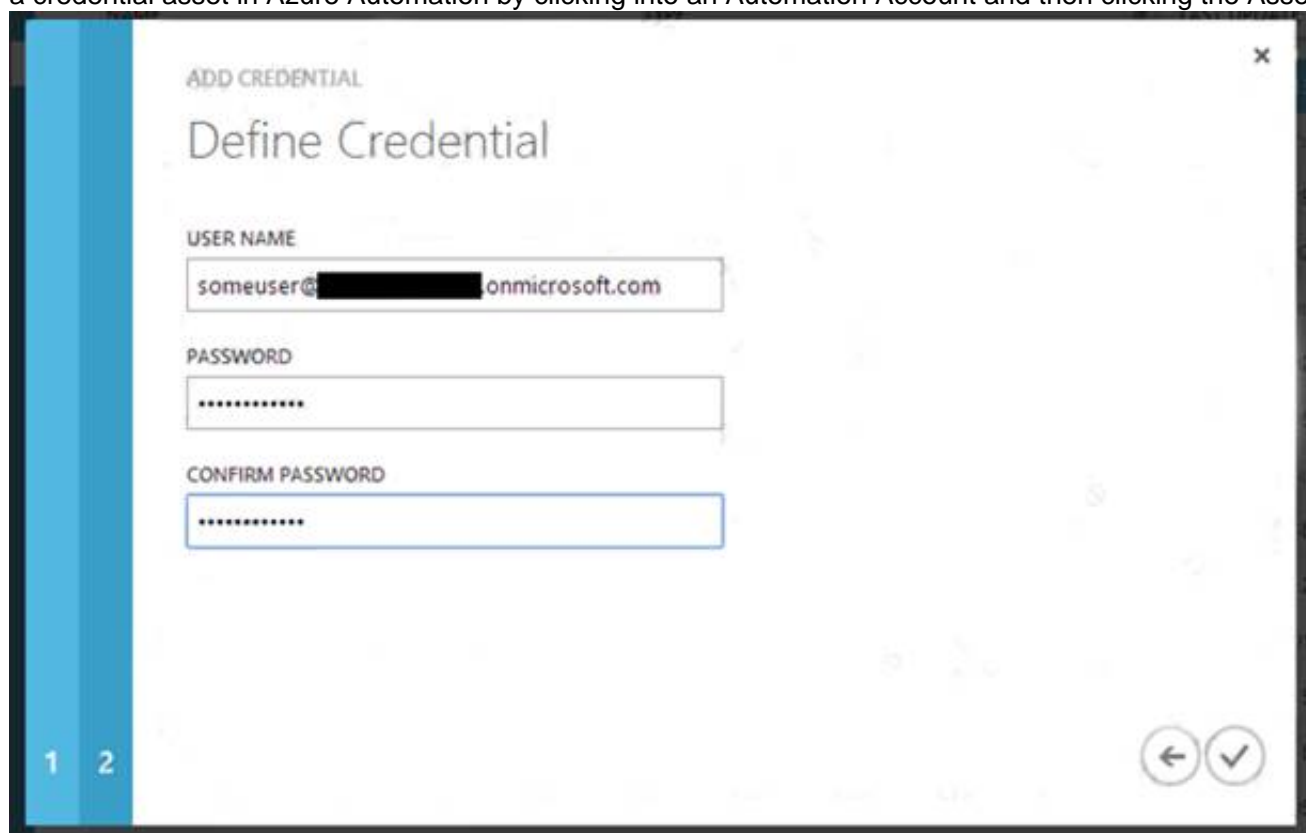


\* 2. Click Administrators

\* 3. Click the Add button. Type the full user name (including part after @ symbol) of the Azure Active Directory user you want to set up to manage Azure. For subscriptions, choose the Azure subscriptions you want this user to be able to manage. Click the check mark.

Step 4: Configure Azure Automation to use this Azure Active Directory user to manage this Azure subscription

Create an Azure Automation credential asset containing the username and password of the Azure Active Directory user that you have just created. You can create a credential asset in Azure Automation by clicking into an Automation Account and then clicking the Assets tab, then the Add Setting button.



Note: Once you have set up the Azure Active Directory credential in Azure and Azure Automation, you can now manage Azure from Azure Automation runbooks using this credential.

References:

<https://azure.microsoft.com/sv-se/blog/azure-automation-authenticating-to-azure-using-azure-active-directory/>

#### NEW QUESTION 140

- (Exam 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 145

- (Exam Topic 4)

You have an Azure Kubernetes Service (AKS) pod.

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

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

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

NOTE: Each correct selection is worth one point.

## Answer Area

```

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

livenessProbe:  
readinessProbe:  
ShutdownProbe:  
startupProbe:

```

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

initialDelaySeconds: 15  
periodSeconds: 15  
timeoutSeconds: 15

A. Mastered

B. Not Mastered

**Answer: A**

### Explanation:

Graphical user interface, text, application Description automatically generated

Box 1: readinessProbe:

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

Reference:

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

### NEW QUESTION 150

- (Exam Topic 4)

You need to configure access to Azure DevOps agent pools to meet the following requirements: Use a project agent pool when authoring build or release pipelines.

View the agent pool and agents of the organization. Use the principle of least privilege.

Which role memberships are required for the Azure DevOps organization and the project? To answer, drag the appropriate role memberships to the correct targets. Each role membership 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.

Administrator

Reader

Service Account

User

Organization:   
Project:

A. Mastered

B. Not Mastered

**Answer: A**

### Explanation:

Graphical user interface, application Description automatically generated

Box 1: Reader

Members of the Reader role can view the organization agent pool as well as agents. You typically use this to add operators that are responsible for monitoring the agents and their health.

Box 2: Service account

Members of the Service account role can use the organization agent pool to create a project agent pool in a project. If you follow the guidelines above for creating new project agent pools,

you typically do not have to add any members here. Reference:

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

#### NEW QUESTION 155

- (Exam 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 eight hour.

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 160

- (Exam Topic 4)

You have an Azure subscription that contains 50 virtual machines

You plan to manage the configuration of the virtual machines by using Azure Automation State Configuration. You need to create the Desired State Configuration (DSO configuration files.

How should structure the code blocks?

A. Node>Configuration>Resource

B. Configuration>Node> Resource

C. Configuration>Resource>Node

D. Resource>Configuration>Node

**Answer: B**

#### Explanation:

In Azure Automation State Configuration, the Desired State Configuration (DSC) configuration files are used to define the desired state of resources on a system. The structure of the code blocks in a DSC configuration file should be organized in a logical and meaningful way.

One way to structure the code blocks is as follows:

➤ Configuration: This block defines the overall configuration, including any parameters that are used in the configuration.

➤ Node: This block defines the target node(s) for the configuration, typically specified by the hostname or IP address of the target system.

➤ Resource: This block defines the resources that are managed by the configuration, including the resource type, module, and properties.

"A configuration script consists of the following parts:

The Configuration block. This is the outermost script block. You define it by using the Configuration keyword and providing a name. In this case, the name of the configuration is MyDscConfiguration.

One or more Node blocks. These define the nodes (computers or VMs) that you are configuring. In the above configuration, there is one Node block that targets a computer named TEST-PC1. The Node block can accept multiple computer names.

One or more resource blocks. This is where the configuration sets the properties for the resources that it is configuring. In this case, there are two resource blocks, each of which call the WindowsFeature resource."

<https://docs.microsoft.com/en-us/powershell/dsc/configurations/configurations?view=dsc-1.1#configuration-syn>

#### NEW QUESTION 165

- (Exam Topic 4)

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

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

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

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

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

Does this meet the goal?

A. Yes

B. No

**Answer: B**

#### Explanation:

Pipeline artifacts are a way to persist build outputs, test results, and other files generated during a pipeline run. They allow you to share data between stages, jobs, and pipelines, and to persist data for longer than the lifetime of a pipeline run. While artifacts can be useful for sharing data between pipeline runs and reducing the time required to download dependencies, they are not a solution for reducing the time required to install JavaScript packages from npm during a pipeline run.



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

Another solution could be using a dedicated agent that has those packages already installed, this way the pipeline doesn't have to install them again. You can find more information on package caching by following this link <https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/package/npm-cache?view=azure-devops>

#### NEW QUESTION 170

- (Exam Topic 4)

As part of your application build process, you need to deploy a group of resources to Azure by using an Azure Resource Manager template located on GitHub. Which three action 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 package.	
Add an Azure Resource Group Deployment task.	
Create a job agent.	
Create a release pipeline.	
Set the template parameters.	

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Step 1: Create a release pipeline You need to create a new pipeline.

You can integrate Azure Resource Manager templates (ARM templates) with Azure Pipelines for continuous integration and continuous deployment (CI/CD).

Step 2: Add an Azure Resource Group Deployment task Step 3: Set the template parameters

Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/add-template-to-azure-pipelines>

#### NEW QUESTION 173

- (Exam Topic 4)

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

You have the following DSC configuration.

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

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

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

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

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

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

No "Dependson are defined"

No "Mode is Apply and Monitor"

Yes "ConfigurationModeFreqMin : 60 "

-----

ConfigurationModeFreqMin :How often, in minutes, the current configuration is checked and applied. This property is ignored if the ConfigurationMode property is set to ApplyOnly.

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

**NEW QUESTION 177**

- (Exam Topic 4)

You have an Azure DevOps organization named Contoso and art 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 m 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 181**

- (Exam Topic 4)

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

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

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

**Answer:** B

**Explanation:**

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

#### NEW QUESTION 183

- (Exam Topic 4)

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

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

Your company uses Azure DevOps to manage the build and release processes for applications. You use a Git repository for applications source control.

You need to implement a pull request strategy that reduces the history volume in the master branch. Solution: You implement a pull request strategy that uses fast-forward merges.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### Explanation:

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

Reference:

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

#### NEW QUESTION 188

- (Exam Topic 4)

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

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

You have an Azure DevOps project.

Your build process creates several artifacts.

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

Solution: You deploy a Docker build to an on-premises server. You add a Download Build Artifacts task to the deployment pipeline.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### Explanation:

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

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

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

References:

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

#### NEW QUESTION 193

- (Exam Topic 4)

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

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

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

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

Solution: You recommend reducing the code complexity. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### Explanation:

Reference:

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

#### NEW QUESTION 194

- (Exam 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

Save

Reference:

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

#### NEW QUESTION 196

- (Exam 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 Git repository in Azure Repos.
- C. Add the package URL to the NuGet Package Manager settings in Visual Studio.
- D. Upload a package to a Git repository.
- E. Create a new feed in Azure Artifacts.
- F. Publish the package to a feed.

**Answer:** ABE

#### NEW QUESTION 200

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

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

You need to recommend a solution to reduce the pipeline execution time. Solution: You recommend enabling parallel jobs for the pipeline.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### Explanation:

Instead enable pipeline caching. Note:



npm-cache is a command line utility that caches dependencies installed via npm, bower, jspm and composer. It is useful for build processes that run [npm|bower|composer|jspm] install every time as part of their build process. Since dependencies don't change often, this often means slower build times. npm-cache helps alleviate this problem by caching previously installed dependencies on the build machine.  
Reference: <https://www.npmjs.com/package/npm-cache>

#### NEW QUESTION 204

- (Exam 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 209

- (Exam Topic 4)

You have an application that consists of several Azure App Service web apps and Azure functions. You need to access the security of the web apps and the functions.

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

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

**Answer:** D

#### Explanation:

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

Recommendations

This section has a set of recommendations for each VM and computer, web and worker roles, Azure App Service Web Apps, and Azure App Service Environment that Security Center monitors. The first column lists the recommendation. The second column shows the total number of resources that are affected by that recommendation. The third column shows the severity of the issue.

#### NEW QUESTION 213

- (Exam Topic 4)

You need to ensure that an Azure web app named az400-9940427-main can retrieve secrets from an Azure key vault named az400-9940427-kv1 by using a system managed identity.

The solution must use the principle of least privilege.

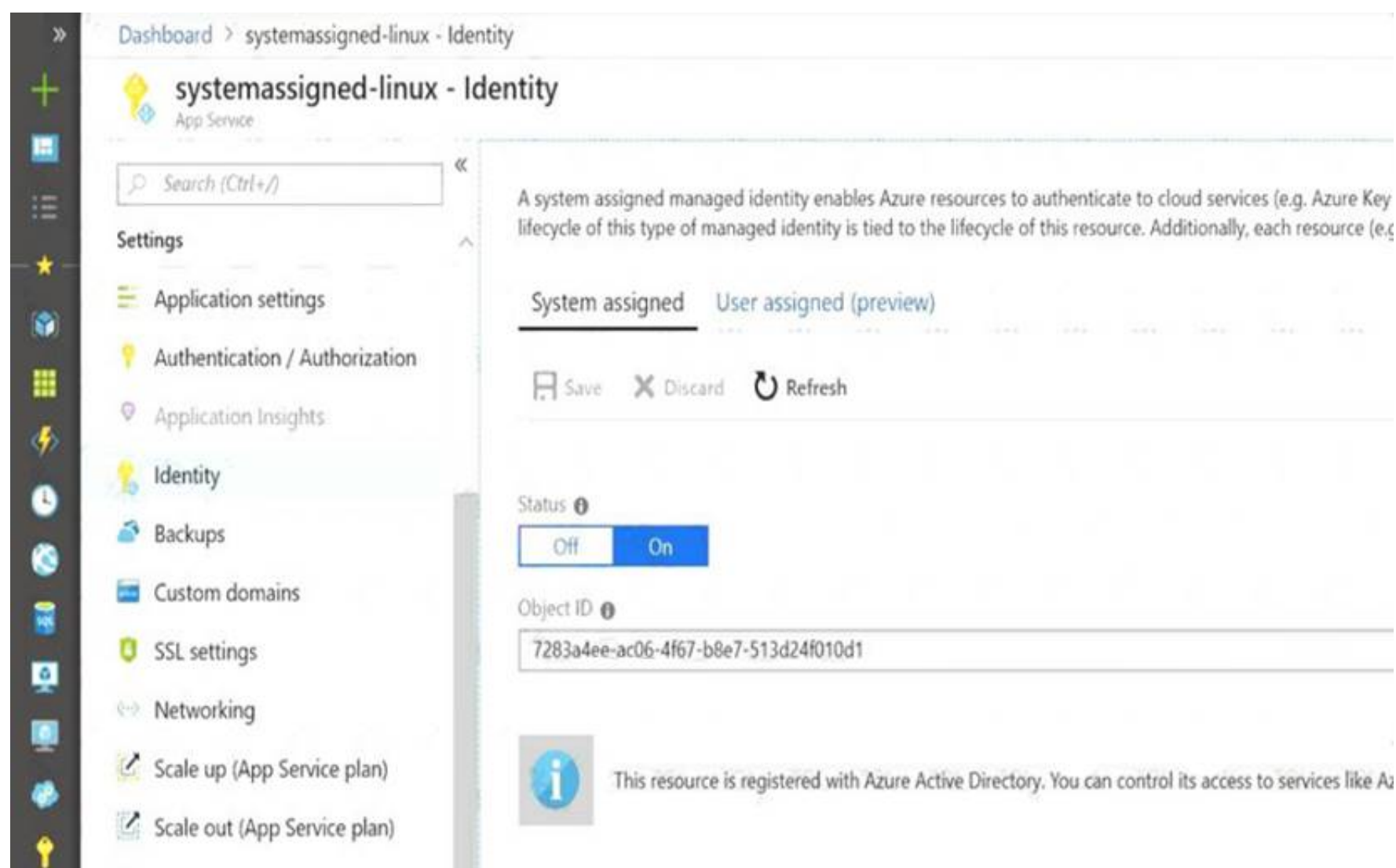
To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

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



References:

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

#### NEW QUESTION 216

- (Exam Topic 4)

You manage the Git repository for a large enterprise application. You need to minimize the data size of the repository.

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

**Answer Area**



- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

Box 1: --aggressive

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

Box 2: prune

Prune all unreachable objects from the object database: `git prune`

Reference: <https://gist.github.com/Zoramite/2039636>

#### NEW QUESTION 217

- (Exam Topic 4)

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

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

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

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

**Answer: D**

#### Explanation:

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

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

### NEW QUESTION 220

- (Exam 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 221

- (Exam 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 225

- (Exam Topic 4)

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

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

You need to configure the YAML strategy value for each app. The solution must minimize app downtime. Which value should you configure for each app? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

App1: 

	▼
canary	
rolling	
runonce	

App2: 

	▼
canary	
rolling	
runonce	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

App1: rolling

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

App2: canary

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

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

**NEW QUESTION 230**

- (Exam Topic 4)

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

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

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

- Open the App Service az400-11566895-main, which you want to protect, in the Azure Portal and browse to Settings > Backups. Click Configure and a Backup Configuration blade should appear.
- Select the storage account.
- Select the container.
- If you want to schedule backups, then set Scheduled Backup to On and configure a schedule: every five hours
- Select your retention. Note that 0 means never delete backups.
- Decide if at least one backup should always be retained.
- Choose if any connected databases should be included in the web app backup.
- Click Save to finalize the backup configuration.



Backup Configuration

Backup Storage

Select the target container to store your app backup.

Storage Settings

petri

Storage Account: petriaspbackup.blob.core.windows.net

Backup Schedule

Configure the schedule for your app backup.

Scheduled backup

On

Off

Backup Every

1

Days

Hours

Start backup schedule from

2018-01-20

16:31:38

UTC - Coordinated Universal Time

Retention (Days)

3655

Keep at least one backup

No

Yes

Backup Database

Select the databases you to include with your backup. The backup database list is based on the apps configured connection strings.

INCLUDE IN BACKUP	CONNECTION STRING NAME	DATABASE TYPE
<input checked="" type="checkbox"/> Included	defaultConnection	Sql Database

Reference:  
<https://petri.com/backing-azure-app-service>

### NEW QUESTION 233

- (Exam Topic 4)

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

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

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

Which work item process should you use for each customer? To answer, drag the appropriate work item process to the correct customers. Each work item process may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

#### Processes

Agile

CMMI

Scrum

XP

#### Answer Area

Litware

Contoso:

A. Datum:

- A. Mastered  
 B. Not Mastered

Answer: A

Explanation:

Box 1: Scrum

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

Box 2: Agile

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

Box 3: CMMI

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

### NEW QUESTION 238

- (Exam Topic 4)

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

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

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

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

NOTE: Each correct selection is worth one point.



The screenshot shows the Azure Monitor query editor. On the left, under 'Values', there is a list of items to be dragged: `bin(timestamp,id)`, `bin(timestamp,1h)`, `project timechart`, `render chart`, and `render timechart`. On the right, under 'Answer Area', there is a Kusto query template with several gaps to be filled. The query is as follows:

```

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

```

At the bottom right, there are three icons: a list icon, a refresh icon, and a save icon.

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

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

### NEW QUESTION 240

- (Exam Topic 4)

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

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

- > Provide the ability to isolate the members of different project teams into separate communication channels and to keep a history of the chats within those channels.
- > Be available on Windows 10, Mac OS, iOS, and Android operating systems.
- > Provide the ability to add external contractors and suppliers to projects.
- > Integrate directly with Azure DevOps. What should you recommend?

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

**Answer: D**

**Explanation:**

- > Within each team, users can create different channels to organize their communications by topic. Each channel can include a couple of users or scale to thousands of users.
- > Microsoft Teams works on Android, iOS, Mac and Windows systems and devices. It also works in Chrome, Firefox, Internet Explorer 11 and Microsoft Edge web browsers.
- > The guest-access feature in Microsoft Teams allows users to invite people outside their organizations to join internal channels for messaging, meetings and file sharing. This capability helps to facilitate business-to-business project management.
- > Teams integrates with Azure DevOps.

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

### NEW QUESTION 244

- (Exam Topic 4)

You use Azure Pipelines to manage project builds and deployments.

You plan to use Azure Pipelines for Microsoft Teams to notify the legal team when a new build is ready for release. You need to configure the Organization Settings in Azure DevOps to support Azure Pipelines for Microsoft Teams. What should you turn on?

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

**Answer: C**

**Explanation:**

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

Reference:

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

**NEW QUESTION 249**

- (Exam Topic 4)

Your company is building a new solution in Java.

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

Which task types should you add to the build pipeline?

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

**Answer:** A

**NEW QUESTION 253**

- (Exam Topic 4)

You have an Azure subscription that contains an Azure Active Directory (Azure AD) tenant.

You are configuring a build pipeline in Azure Pipelines that will include a task named Task1. Task1 will authenticate by using an Azure AD service principal.

Which three values should you configure for Task1? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. the object ID
- B. the tenant ID
- C. the app ID
- D. the client secret
- E. the subscription ID

**Answer:** BCD

**Explanation:**

Reference:

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

**NEW QUESTION 256**

- (Exam Topic 4)

You have an Azure function hosted in an App Service plan named az400-9940427-func1.

You need to configure az400-9940427-func1 to upgrade the functions automatically whenever new code is committed to the master branch of

<https://github.com/Azure-Samples/functions-quickstart>.

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, select App Services in the Azure portal left navigation, and then select configure az400-9940427-func1.

\* 3. On the app page, select Deployment Center in the left menu.

\* 4. On the Build provider page, select Azure Pipelines (Preview), and then select Continue.

\* 5. On the Configure page, in the Code section:

For GitHub, drop down and select the Organization, Repository, and Branch you want to deploy continuously.

\* 6. Select Continue.

\* 7. On the Test page, choose whether to enable load tests, and then select Continue.

\* 8. Depending on your App Service plan pricing tier, you may see a Deploy to staging page. Choose whether to enable deployment slots, and then select Continue.

\* 9. After you configure the build provider, review the settings on the Summary page, and then select Finish. References:

<https://docs.microsoft.com/en-us/azure/app-service/deploy-continuous-deployment>

**NEW QUESTION 260**

- (Exam Topic 4)

Your company has a project in Azure DevOps.

You need to ensure that when there are multiple builds pending deployment only the most recent build is deployed.

What should you use?

- A. deployment queue settings
- B. deployment conditions
- C. release gates
- D. pull request triggers

**Answer:** A

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/process/stages?tabs=classic&view=azure-devops#queu>

NEW QUESTION 265

- (Exam Topic 4)

You manage the Git repository for a large enterprise application.

During the development of the application, you use a file named Config.json.

You need to prevent Config.json from being committed to the source control whenever changes to the application are committed.

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

Run the git commit command.

Run the git relog expire command.

Run the git add .gitignore command.

Add Config.json to the .gitignore file.

Delete and recreate the repository.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Delete and recreate the repository. Step 2: Add Config.json to the .gitignore file

Each line in the .gitignore excludes a file or set of files that match a pattern. Example:

# ignore a single file Config.json

Step 3: Run the git add .gitignore command

At the initial commit we want basically move from Untracked to Staged, for staging we have to indicate which file we want to move or specify a pattern, as example:

Reference:

<http://hermit.no/how-to-find-the-best-gitignore-for-visual-studio-and-azure-devops/> <https://geoherandez.net/how-to-add-an-existing-repository-into-azure-devops-repo-with-git/>

NEW QUESTION 268

- (Exam 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.

Fast Track

Overview

Boards

Repos

Pipelines

Pipelines

Environments

Releases

Library

Task groups

Deployment groups

WhiteSource Bolt

Test Plans

Artifacts

Jobs in run #20191120.1

Fast Track

build vm

initialize build7s

Initialize job<1s

Checkout4s

CmdLine2s

Post-job: Ccheckout<1s

Finalize Job<1s

deploy\_to\_dev

deploy\_to\_dev\_server2s

deploy\_to\_uat

deploy\_to\_uat\_server2s

Finalize build

Report build status<1s

initial\_build

1Pool: Azure Pipelines

2Image: Ubuntu-18.04

3Agent: Hosted Agent

4Started: Just now

5Duration: 7s

6

7Job preparation parameters

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:**

Reference:

<https://dev.to/rajikaimal/azure-devops-ci-cd-yaml-pipeline-4glj>

#### NEW QUESTION 272

- (Exam 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:** A

**Explanation:**

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

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

#### NEW QUESTION 276

- (Exam Topic 4)

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

What will Azure DevOps use to authenticate with the tool?

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

**Answer:** B

**Explanation:**

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

Reference:

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

#### NEW QUESTION 279

- (Exam Topic 4)

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

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

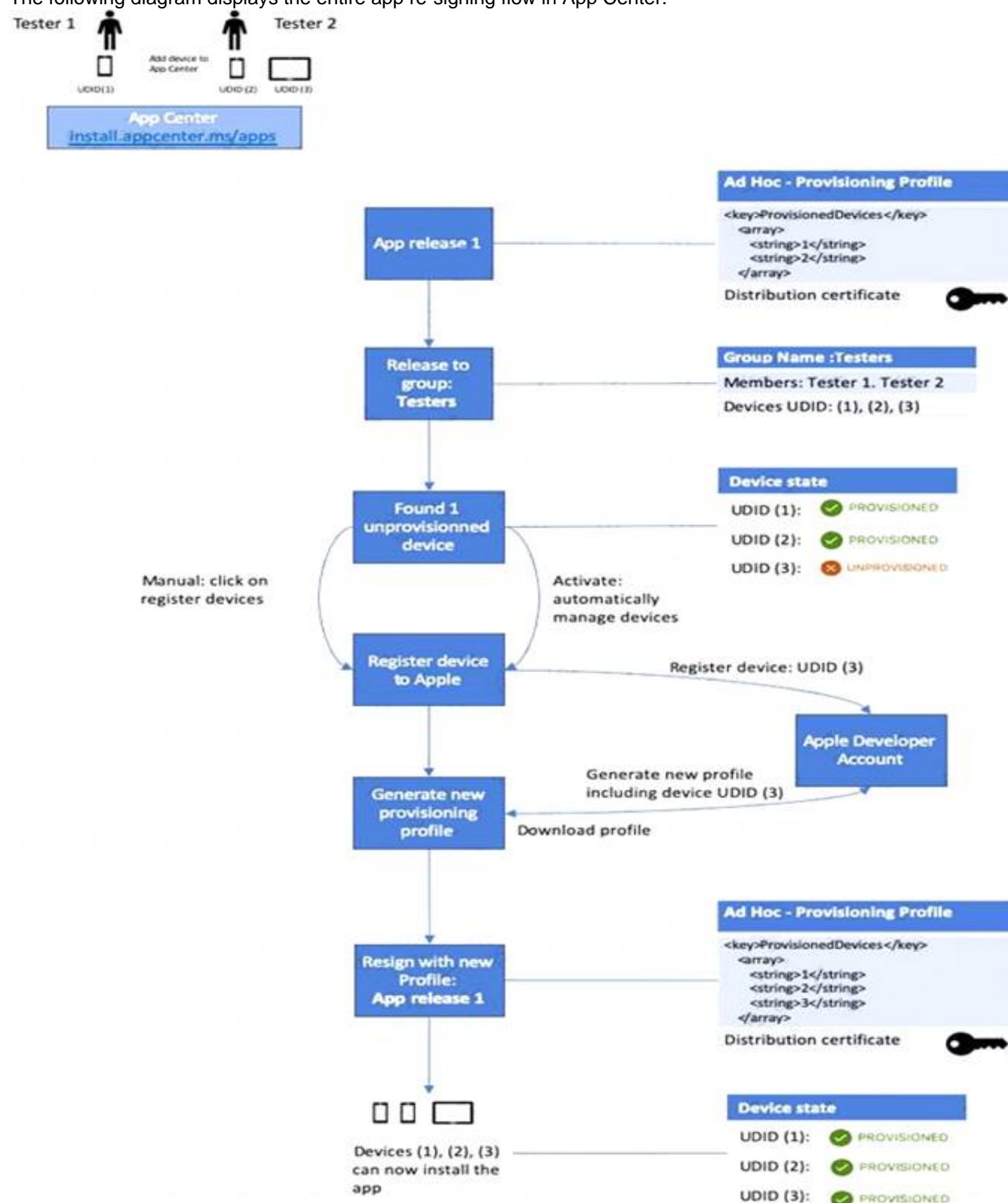
What should you do?

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

**Answer:** A

### Explanation:

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



Reference:

https://docs.microsoft.com/en-gb/appcenter/distribution/auto-provisioning

### NEW QUESTION 284

- (Exam Topic 4)

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

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

You need to configure Azure Container Instances as a hosted environment for running the containers in AKS. 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 `helm init`.

Run `az aks install-connector`.

Create a YAML file.

Run `az role assignment create`

Run `kubectl apply`.

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Step 1: Create a YAML file.  
If your AKS cluster is RBAC-enabled, you must create a service account and role binding for use with Tiller. To create a service account and role binding, create a file named rbac-virtual-kubelet.yaml  
Step 2: Run kubectl apply.  
Apply the service account and binding with kubectl apply and specify your rbac-virtual-kubelet.yaml file. Step 3: Run helm init.  
Configure Helm to use the tiller service account: helm init --service-account tiller  
You can now continue to installing the Virtual Kubelet into your AKS cluster. References: <https://docs.microsoft.com/en-us/azure/aks/virtual-kubelet>

NEW QUESTION 286

- (Exam 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.

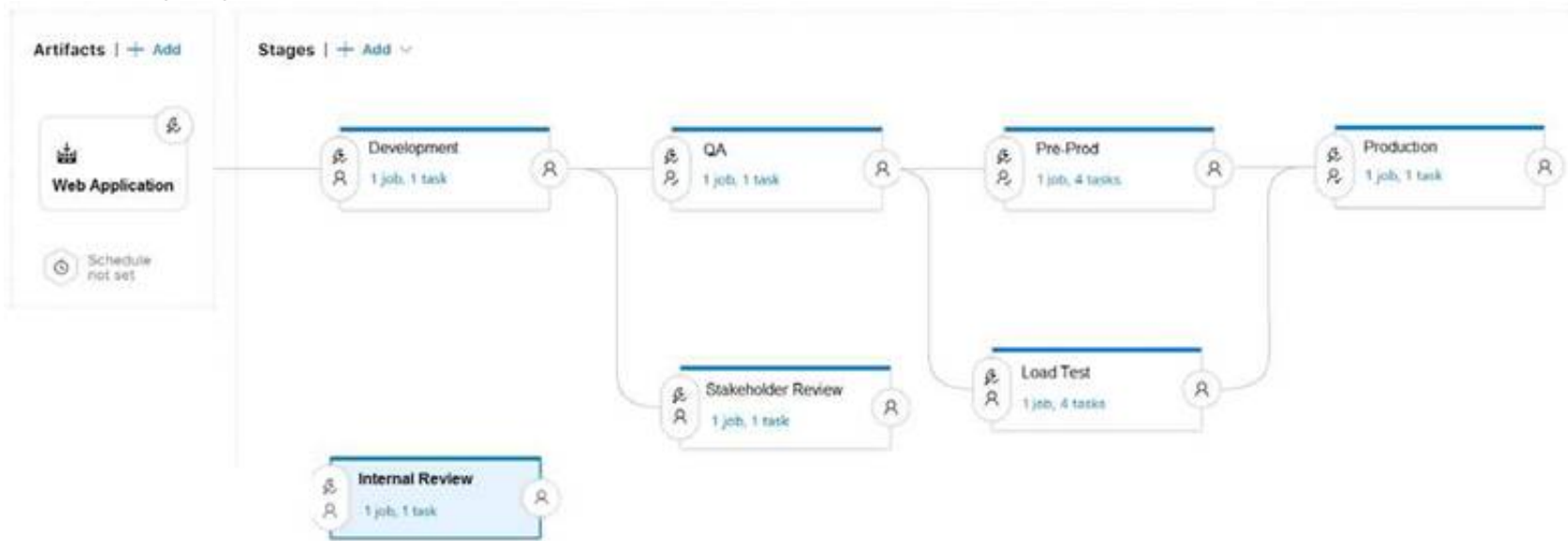
Answer: B

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 287

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



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

How many stages have triggers set?

0
1
2
3
4
5
6
7

Which component should you modify to enable continuous delivery?

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

A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: 5

There are five stages: Development, QA, Pre-production, Load Test and Production. They all have triggers. Box 2: The Internal Review stage

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

**NEW QUESTION 289**

- (Exam Topic 4)

You plan to create a GitHub workflow that will use GitHub Actions. The actions will require a 256-KB secret. You need to recommend a solution to store and encrypt the secret. The secret value must be accessible only to the workflow. The solution must minimize administrative effort

What should you recommend?

- A. Store the secret in the organization-level GitHub secrets.
- B. Store the secret in the repository-level GitHub secrets.
- C. Encrypt the secret value and store the value in the repositor
- D. Store the decryption key in the repository-level GitHub secrets.
- E. Encrypt the secret value and store the value in the repositor
- F. Store the decryption key in the organization-level GitHub secrets.

**Answer:** C

**Explanation:**

<https://docs.github.com/en/actions/security-guides/encrypted-secrets> "To use secrets that are larger than 48 KB, you can use a workaround to store encrypted secrets in your repository and save the decryption passphrase as a secret on GitHub." Because it requires less administrative privilege it's at repository level

**NEW QUESTION 291**

- (Exam Topic 4)

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

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

You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 that is configured for 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 Service hooks settings for Project1. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**NEW QUESTION 296**

- (Exam 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 301**

- (Exam Topic 4)

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

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

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

**Answer:** A

**Explanation:**

Azure Artifacts introduces the concept of multiple feeds that you can use to organize and control access to your packages.

Packages you host in Azure Artifacts are stored in a feed. Setting permissions on the feed allows you to share your packages with as many or as few people as your scenario requires.

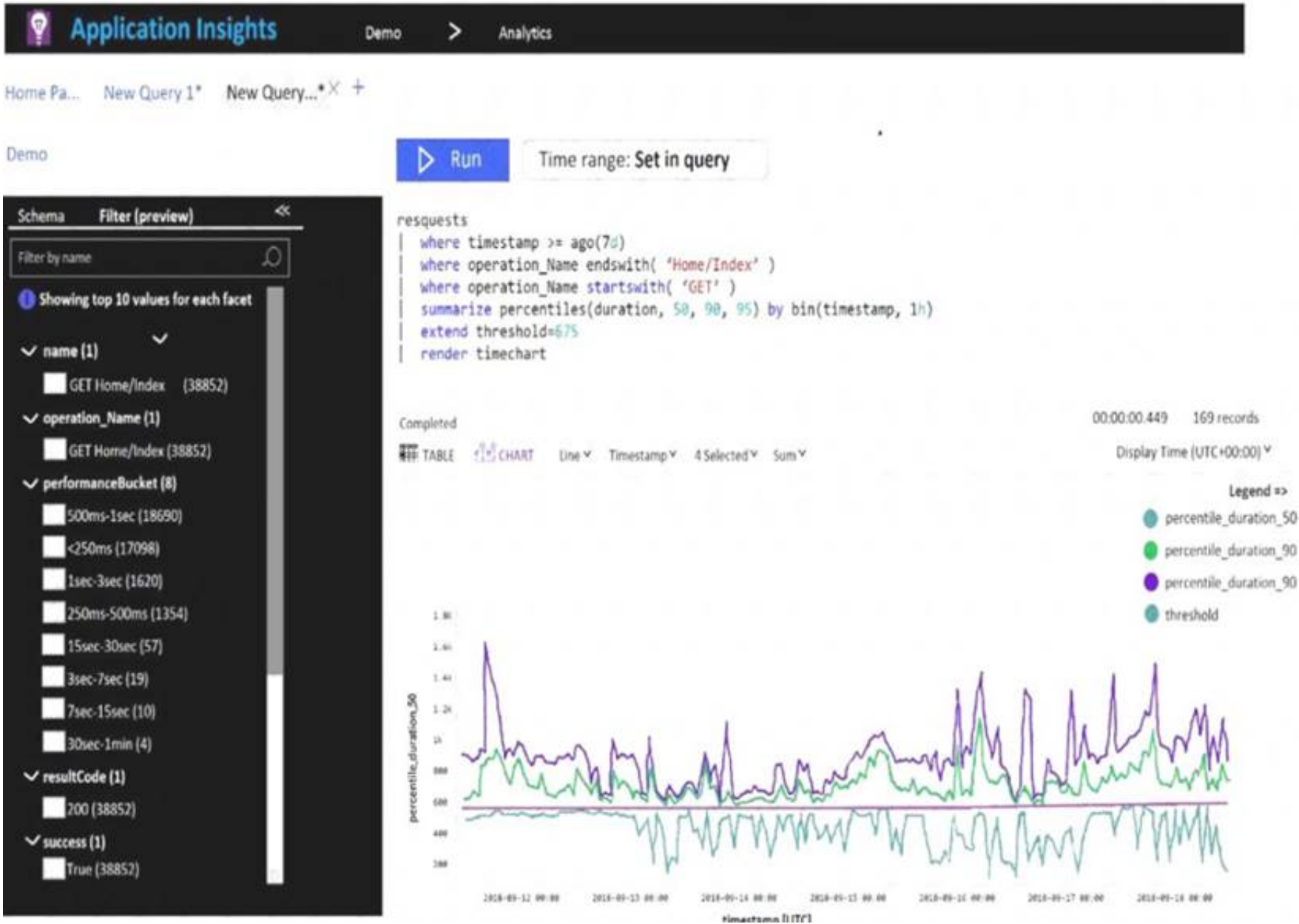


Feeds have four levels of access: Owners, Contributors, Collaborators, and Readers. References:  
https://docs.microsoft.com/en-us/azure/devops/artifacts/feeds/feed-permissions?view=vsts&tabs=new-nav

NEW QUESTION 306

- (Exam Topic 4)

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



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

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

▼

percentile\_duration\_50

percentile\_duration\_90

percentile\_duration\_95

threshold

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

▼

item Type

resultCode

source

success

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Timeline Description automatically generated with low confidence

Box 1: percentile\_duration\_95

Box 2: success For example – requests

| project name, url, success

| where success == "False"

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

https://devblogs.microsoft.com/premier-developer/alerts-based-on-analytics-query-using-custom-log-search/

NEW QUESTION 307

- (Exam Topic 4)

You have an Azure Repos repository named repo1.

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

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

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

NOTE: Each correct selection is worth one point

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Text Description automatically generated with medium confidence

#### NEW QUESTION 312

- (Exam Topic 4)

You configure an Azure Application Insights availability test.

You need to notify the customer services department at your company by email when availability is degraded. You create an Azure logic app that will handle the email and follow up actions.

Which type of trigger should you use to invoke the logic app?

- A. an ApiConnection trigger
- B. a Request trigger
- C. an HTTPWebhook trigger
- D. an HTTP trigger

**Answer:** C

**Explanation:**

You can use webhooks to route an Azure alert notification to other systems for post-processing or custom actions. You can use a webhook on an alert to route it to services that send SMS messages, to log bugs, to notify a team via chat or messaging services, or for various other actions.

Reference:

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

#### NEW QUESTION 313

- (Exam 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 tor 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 314

- (Exam Topic 4)

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

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

NOTE: Each correct selection is worth one point.

JIRA:   
Boards  
Build pipelines  
Release pipelines  
Repos

Jenkins:   
Boards  
Build pipelines  
Release pipelines  
Repos

Octopus:   
Boards  
Build pipelines  
Release pipelines  
Repos

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

JIRA- BoardJenkins- Build PipelinesOctopus- Release pipelines

**NEW QUESTION 319**

- (Exam Topic 4)

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

Which option should you select in the Diagnostics settings of the database?

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

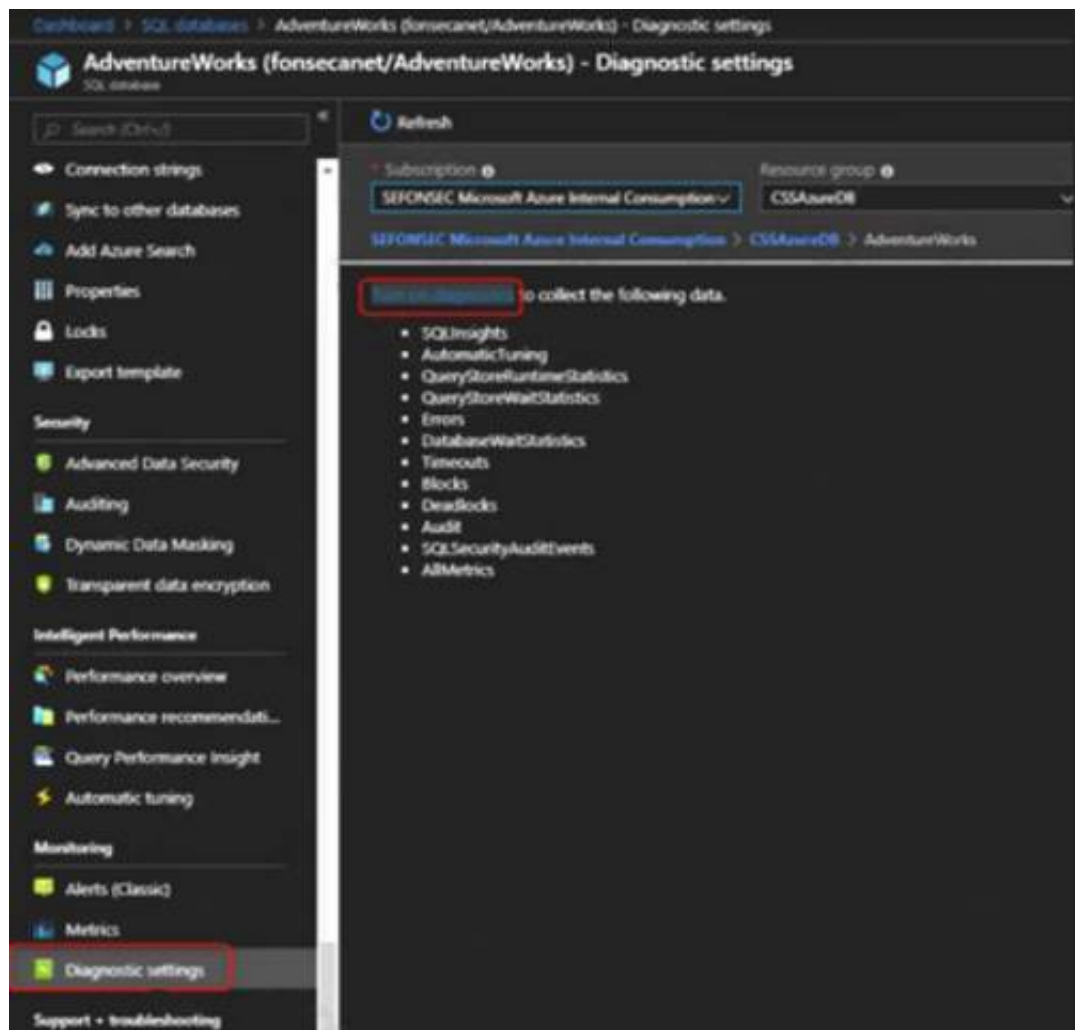
**Answer:** A

**Explanation:**

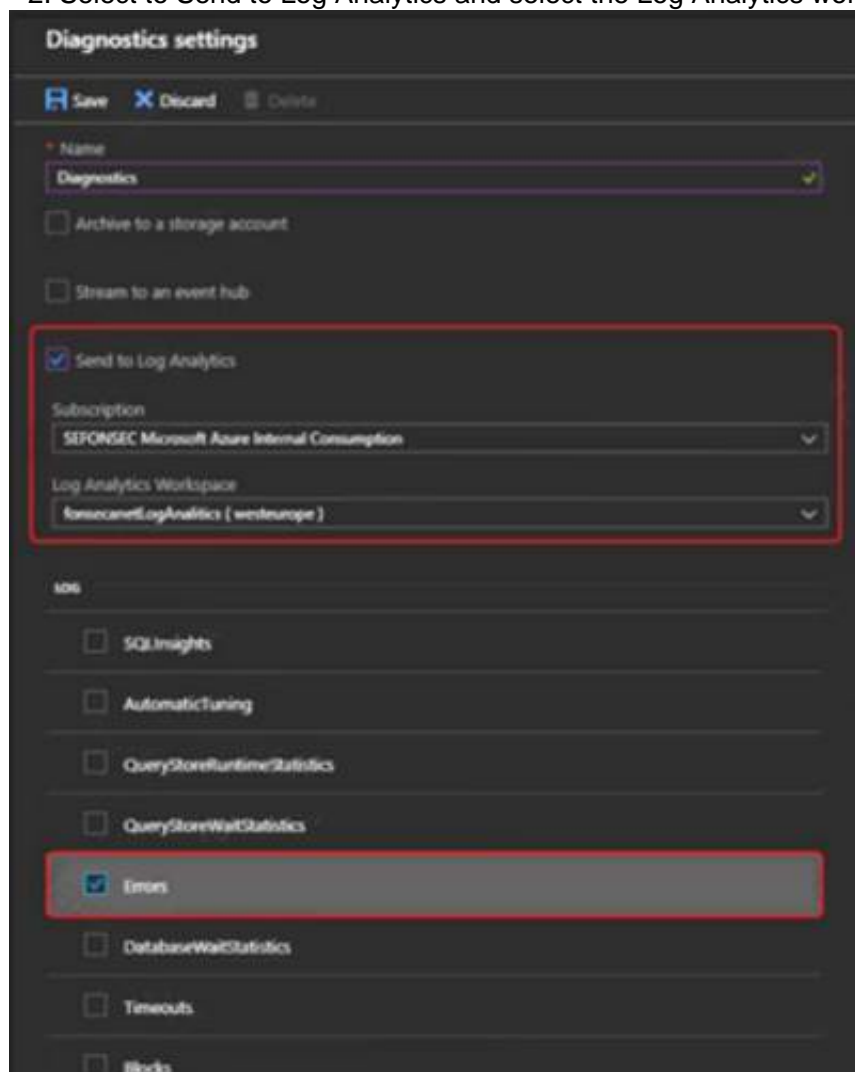
ENABLE DIAGNOSTICS TO LOG ANALYTICS

This configuration is done PER DATABASE

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



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



Reference:

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

## NEW QUESTION 320

- (Exam Topic 4)

Your company has a project in Azure DevOps.

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

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

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

NOTE: Each correct selection is worth one point.



## Configurations

## Answer Area

A Key Vault access policy

Enable key vaults for template deployment by using:

A Key Vault advanced access policy

Restrict access to the secrets in Key Vault by using:

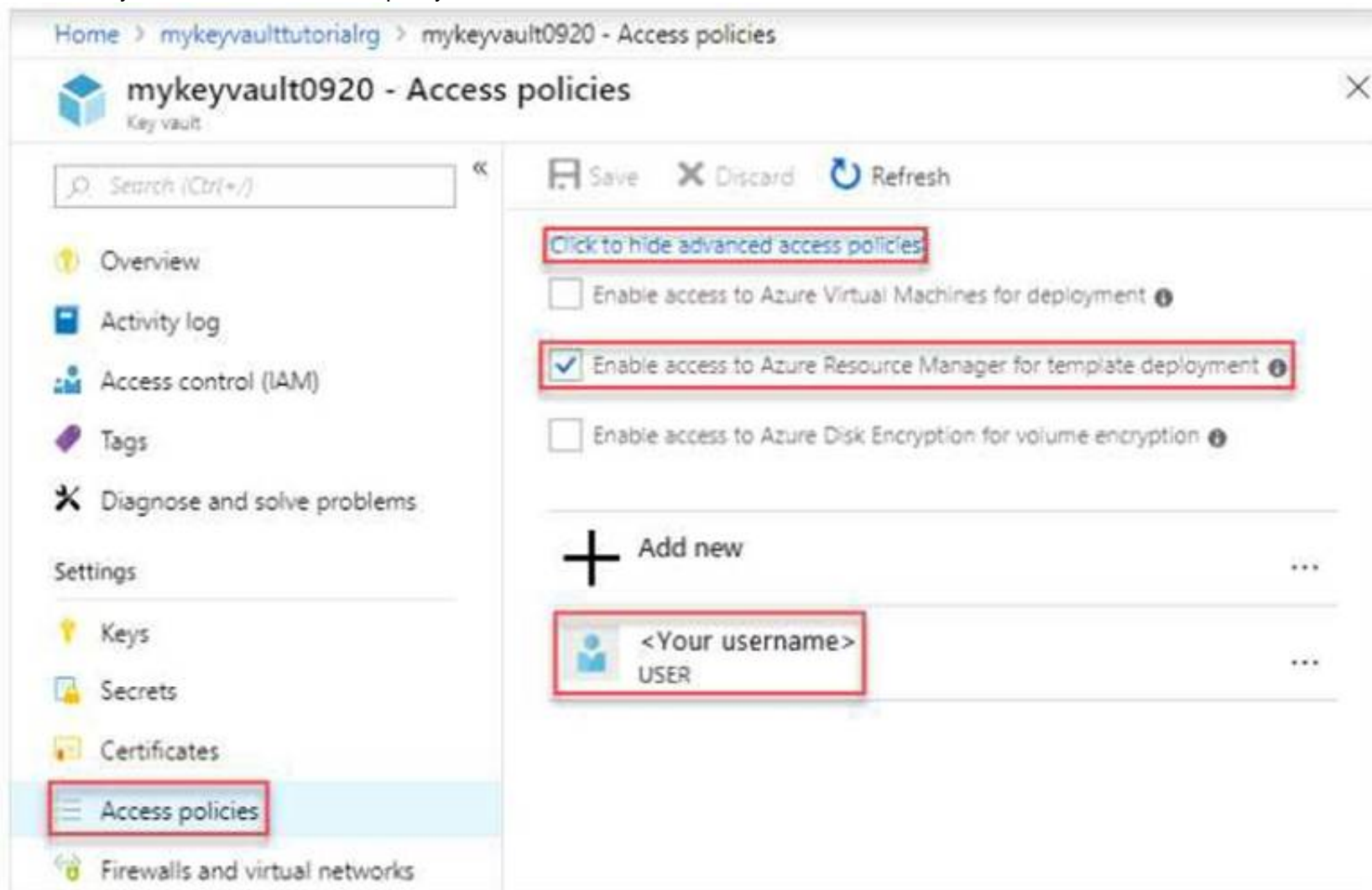
RBAC

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Box 1: A key Vault advanced access policy



Box 2: RBAC

Management plane access control uses RBAC.

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

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

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

### NEW QUESTION 325

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