



AZ-400^{Q&As}

Designing and Implementing Microsoft DevOps Solutions

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QUESTION 1

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:

1.

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

2.

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

3.

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

Solution: Install and configure a self-hosted build agent on an on-premises machine. Configure the build pipeline to use the Default agent pool. Include the Java Tool Installer task in the build pipeline.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

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

QUESTION 2

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

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

You manage a project in Azure DevOps.

You need to prevent the configuration of the project from changing over time.

Solution: Perform a Subscription Health scan when packages are created.

Does this meet the goal?

A. Yes



B. No

Correct Answer: B

Instead implement Continuous Assurance for the project.

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

Reference:

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

QUESTION 3

You need to implement Project4. What should you do first?

- A. Add the FROM instruction in the Dockerfile file.
- B. Add a Copy and Publish Build Artifacts task to the build pipeline.
- C. Add a Docker task to the build pipeline.
- D. Add the MAINTAINER instruction in the Dockerfile file.

Correct Answer: C

Scenario: Implement Project4 and configure the project to push Docker images to Azure Container Registry.

Project 4	Project4 will provide support for a build pipeline that creates a Docker image and pushes the image to the Azure Container Registry. Project4 will use an existing Dockerfile.
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You use Azure Container Registry Tasks commands to quickly build, push, and run a Docker container image natively within Azure, showing how to offload your "inner-loop" development cycle to the cloud. ACR Tasks is a suite of features within Azure Container Registry to help you manage and modify container images across the container lifecycle.

References: <https://docs.microsoft.com/en-us/azure/container-registry/container-registry-quickstart-task-cli>

QUESTION 4

DRAG DROP

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

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

Select and Place:



Actions Commands Cmdlets Statements

Answer Area

Create an app.

Add a secret.

Create a credential.

Configure the ID and secret for App1.

Create a managed service identity.



Correct Answer:

Actions Commands Cmdlets Statements

Answer Area

Add a secret.

Create a credential.



Create an app.

Create a managed service identity.

Configure the ID and secret for App1.



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

Reference: <https://docs.microsoft.com/en-us/azure/active-directory/develop/howto-create-service-principal-portal>

QUESTION 5

You use Git for source control.

You need to commit a 3-GB ZIP file that contains virtual machines used for testing. The solution must meet the following requirements:

1.



The file must be versioned.

2.

The file must be associated with the corresponding code commits.

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

NOTE: Each correct selection is worth one point.

- A. Install the git-fat extension and associate the extension to ZIP files.
- B. Install the Git LFS extension and associate the extension to ZIP files.
- C. Install the git-stash extension and associate the extension to ZIP files.
- D. Use GZip to compress the file before committing the file.
- E. Store files in Azure Storage and enable blob versions.

Correct Answer: BE

Reference: <https://github.com/jedbrown/git-fat> <https://git-lfs.com/>

<https://learn.microsoft.com/en-us/azure/storage/blobs/versioning-overview> <https://www.learnthecontent.com/exam/azure/az-400-designing-and-implementing-microsoft-devops-solutions-2/s/Design-a-strategy-for-managing-large-files-including-Git-LFS-and-git-fat>

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