



Microsoft Azure DevOps Solutions v1.0 (AZ-400)

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Question 46 (Question Set 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 need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:

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

Solution: Configure the build pipeline to use a Hosted VS 2019 agent pool. Include the Java Tool Installer task in the build pipeline.

Does this meet the goal?

- A.** Yes
- B.** No

[Expose Correct Answer](#)

Answer : **B**

Explanation:

Instead use Octopus Tentacle.

References:

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

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Question 47 (Question Set 2)



You are designing the development process for your company.
You need to recommend a solution for continuous inspection of the company's code base to locate common code patterns that are known to be problematic.
What should you include in the recommendation?

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

Expose Correct Answer

Answer : **C**

Explanation:

SonarCloud is a cloud service offered by SonarSource and based on SonarQube. SonarQube is a widely adopted open source platform to inspect continuously the quality of source code and detect bugs, vulnerabilities and code smells in more than 20 different languages.

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

Incorrect Answers:

A: Test plans are used to group together test suites and individual test cases. This includes static test suites, requirement-based suites, and query-based suites.

References:

<https://docs.travis-ci.com/user/sonarcloud/>

<https://sonarcloud.io/documentation/integrations/vsts/>

Next Question

Question 48 (Question Set 2)



SIMULATION -

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.

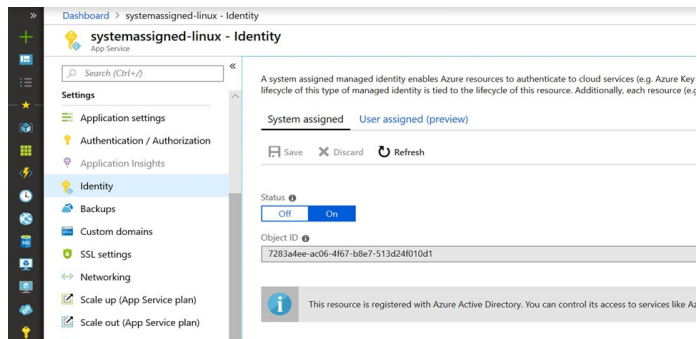
To complete this task, sign in to the Microsoft Azure portal.

[Expose Correct Answer](#)

Answer : **See solution below.**

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>

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Question 49 (Question Set 2)



Your company builds a multi-tier web application.

You use Azure DevOps and host the production application on Azure virtual machines.

Your team prepares an Azure Resource Manager template of the virtual machine that you will use to test new features.

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

Minimizes the cost of Azure hosting



-> Provisions the virtual machines automatically
-> Uses the custom Azure Resource Manager template to provision the virtual machines
What should you do?

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

Expose Correct Answer

Answer : **D**

Explanation:

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

- > Create a VM
- > Create a custom image from a VM
- > Delete a VM

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

References:

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

Next Question

Question 50 (Question Set 2)



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

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- > 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

Expose Correct Answer

Answer : **B**

Explanation:

Instead use Octopus Tentacle.

Reference:

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

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