



AZ-400^{Q&As}

Designing and Implementing Microsoft DevOps Solutions

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QUESTION 1

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.

Correct Answer: B

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 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>

QUESTION 2

You use GitHub for source control of .NET applications.

You need to deploy a documentation solution that meets the following requirements:

Documents will be written in Markdown as developers make code changes.

Changes to the documents will trigger the recompilation of a static website.

Users will access the documents from the static website.



Documents will be stored in a GitHub repository.

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

- A. Word Press
- B. Jekyll
- C. DocFX
- D. caret
- E. Medium

Correct Answer: AB

QUESTION 3

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 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 create an email subscription to an Azure DevOps notification.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

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>

QUESTION 4

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



use?

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

Correct Answer: C

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

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

QUESTION 5

Your company is concerned that when developers introduce open source libraries, it creates licensing compliance issues.

You need to add an automated process to the build pipeline to detect when common open source libraries are added to the code base.

What should you use?

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

Correct Answer: C

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 definitive database of open source repositories.

Azure DevOps integration with WhiteSource Bolt will enable you to:

1.
Detect and remedy vulnerable open source components.
2.
Generate comprehensive open source inventory reports per project or build.



3.

Enforce open source license compliance, including dependencies\' licenses.

4.

Identify outdated open source libraries with recommendations to update. Note: Black duck would also be a good answer, but it is not an option here. References: <https://www.azuredevopslabs.com/labs/vstsextend/WhiteSource/>

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