



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

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Question 6 (Question Set 1)



HOTSPOT -

Your company uses Team Foundation Server 2013 (TFS 2013).

You plan to migrate to Azure DevOps.

You need to recommend a migration strategy that meets the following requirements:

- > Preserves the dates of Team Foundation Version Control changesets
- > Preserves the changes dates of work items revisions
- > Minimizes migration effort
- > Migrates all TFS artifacts

What should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

On the TFS server:

<input type="checkbox"/>	Install the TFS Java SDK.
<input type="checkbox"/>	Upgrade TFS to the most recent RTW release.
<input type="checkbox"/>	Upgrade to the most recent version of PowerShell Core.

To perform the migration:

<input type="checkbox"/>	Copy the assets manually.
<input type="checkbox"/>	Use public API-based tools.
<input type="checkbox"/>	Use the TFS Database Import Service.
<input type="checkbox"/>	Use the TFS Integration Platform.

[Expose Correct Answer](#)

Answer :

Answer Area

On the TFS server:

Install the TFS Java SDK.
Upgrade TFS to the most recent RTW release.
Upgrade to the most recent version of PowerShell Core.

To perform the migration:

Copy the assets manually.
Use public API-based tools.
Use the TFS Database Import Service.
Use the TFS Integration Platform.

Explanation:

Box 1: Upgrade TFS to the most recent RTM release.

One of the major prerequisites for migrating your Team Foundation Server database is to get your database schema version as close as possible to what is currently deployed in Azure Devops Services.

Box 2: Use the TFS Database Import Service

In Phase 3 of your migration project, you will work on upgrading your Team Foundation Server to one of the supported versions for the Database Import Service in Azure Devops Services.

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Question 7 (Question Set 1)



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.** Availability tests in Azure Application Insights
- C.** Profiler in Azure Application Insights
- D.** Application Map in Azure Application Insights

Expose Correct Answer

Answer : **D**

Explanation:

Application Map helps you spot performance bottlenecks or failure hotspots across all components of your distributed application. Each node on the map represents an application component or its dependencies; and has health KPI and alerts status.

Incorrect Answers:

A: Service Map automatically discovers application components on Windows and Linux systems and maps the communication between services. You can use it to view your servers as you think of them--interconnected systems that deliver critical services. Service Map shows connections between servers, processes, and ports across any TCP-connected architecture with no configuration required, other than installation of an agent.

References:

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

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Question 8 (Question Set 1)



During a code review, you discover many quality issues. Many modules contain unused variables and empty catch blocks.

You need to recommend a solution to improve the quality of the code.

What should you recommend?

- A.** In a Grunt build task, select Enabled from Control Options.
- B.** In a Maven build task, select Run PMD.
- C.** In a Xcode build task, select Use xcpretty from Advanced.
- D.** In a Gradle build task, select Run Checkstyle.

[Expose Correct Answer](#)

Answer : **B**

Explanation:

PMD is a source code analyzer. It finds common programming flaws like unused variables, empty catch blocks, unnecessary object creation, and so forth.

There is an Apache Maven PMD Plugin which allows you to automatically run the PMD code analysis tool on your project's source code and generate a site report with its results.

Incorrect Answers:

C: xcpretty is a fast and flexible formatter for xcodebuild.

References:

<https://pmd.github.io/>

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Question 9 (Question Set 1)



Your company has an on-premises Bitbucket Server that is used for Git-based source control. The server is protected by a firewall that blocks inbound Internet traffic.

You plan to use Azure DevOps to manage the build and release processes.

Which two components are required to integrate Azure DevOps and Bitbucket? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. a deployment group
- B. a Microsoft-hosted agent
- C. service hooks
- D. a self-hosted agent
- E. an External Git service connection

[Expose Correct Answer](#)

Answer : **DE**

Explanation:

E: GitLab CI/CD can be used with GitHub or any other Git server such as BitBucket. Instead of moving your entire project to GitLab, you can connect your external repository to get the benefits of GitLab CI/CD.

Note: When a pipeline uses a remote, 3rd-party repository host such as Bitbucket Cloud, the repository is configured with webhooks that notify Azure Pipelines

Server or TFS when code has changed and a build should be triggered. Since on-premises installations are normally protected behind a firewall, 3rd-party webhooks are unable to reach the on-premises server. As a workaround, you can use the External Git repository type which uses polling instead of webhooks to trigger a build when code has changed.

References:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/repos/pipeline-options-for-git>

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Question 10 (Question Set 1)



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.** Octopus
- D.** Slack

Expose Correct Answer

Answer : **D**

Explanation:

Slack is a popular team collaboration service that helps teams be more productive by keeping all communications in one place and easily searchable from virtually anywhere. All your messages, your files, and everything from Twitter, Dropbox, Google Docs, Azure DevOps, and more all together. Slack also has fully native apps for iOS and Android to give you the full functionality of Slack wherever you go.

Integrated with Azure DevOps -

This integration keeps your team informed of activity happening in its Azure DevOps projects. With this integration, code check-ins, pull requests, work item updates, and build events show up directly in your team's Slack channel.

Note: Microsoft Teams would also be a correct answer, but it is not an option here.

References:

<https://marketplace.visualstudio.com/items?itemName=ms-vsts.vss-services-slack>

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