

# Microsoft Azure DevOps Solutions

1. You are configuring project metrics for dashboards in Azure DevOps.

You need to configure a chart widget that measures the elapsed time to complete work items once they become active.

Which of the following is the widget you should use?

A. Cumulative Flow Diagram

B. Burnup

C. Cycle time

D. Burndown

**Answer(s): C**

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2. You need to consider the underlined segment to establish whether it is accurate.

The Burnup widget measures the elapsed time from creation of work items to their completion.

Select 'No adjustment required' if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

A. No adjustment required.

B. Lead time

C. Test results trend

D. Burndown

**Answer(s): B**

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3. You are making use of Azure DevOps manage build pipelines, and also deploy pipelines. The development team is quite large, and is regularly added to.

You have been informed that the management of users and licenses must be automated when it can be. Which of the following is a task that can't be automated?

A. Group membership changes

B. License assignment

C. Assigning entitlements

D. License procurement

**Answer(s): D**

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4. You have been tasked with strengthening the security of your team's development process. You need to suggest a security tool type for the Continuous Integration (CI) phase of the development process.

Which of the following is the option you would suggest?

A. Penetration testing

B. Static code analysis

C. Threat modeling

D. Dynamic code analysis

**Answer(s): B**

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5. Your company is currently making use of Team Foundation Server 2013 (TFS 2013), but intend to migrate to Azure DevOps.

You have been tasked with supplying a migration approach that allows for the preservation of Team Foundation Version Control changesets dates, as well as the changes dates of work items revisions. The approach should also allow for the migration of all TFS artifacts, while keeping migration effort to a minimum. You have suggested upgrading TFS to the most recent RTW release.

Which of the following should also be suggested?

A. Installing the TFS kava SDK

B. Using the TFS Database Import Service to perform the upgrade.

C. Upgrading PowerShell Core to the latest version.

D. Using the TFS Integration Platform to perform the upgrade.

**Answer(s): B**

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**6. DRAG DROP (Drag and Drop is not supported)**

You have an on-premises Bitbucket Server with a firewall configured to block inbound Internet traffic. The server is used for Git-based source control.

You intend to manage the build and release processes using Azure DevOps. This plan requires you to integrate Azure DevOps and Bitbucket.

Which of the following will allow for this integration? Answer by dragging the correct options from the list to the answer area.

Select and Place:



A. See Explanation section for answer.

**Answer(s): A**

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**7. You are currently developing a project for a client that will be managing work items via Azure DevOps. You want to make sure that the work item process you use for the client allows for requirements, change requests, risks, and reviews to be tracked.**

Which of the following is the option you would choose?

A. Basic

B. Agile

C. Scrum

D. CMMI

**Answer(s): D**

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**8.** Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You run the Register-AzureRmAutomationDscNode command in your company's environment. You need to make sure that your company's test servers remain correctly configured, regardless of configuration drift.

Solution: You set the -ConfigurationMode parameter to ApplyOnly.

Does the solution meet the goal?

A. Yes

B. No

**Answer(s): B**

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**9.** Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You run the Register-AzureRmAutomationDscNode command in your company's environment. You need to make sure that your company's test servers remain correctly configured, regardless of configuration drift.

Solution: You set the -ConfigurationMode parameter to ApplyAndMonitor.

Does the solution meet the goal?

A. Yes

B. No

**Answer(s): B**

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**10.** Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You run the Register-AzureRmAutomationDscNode command in your company's environment. You need to make sure that your company's test servers remain correctly configured, regardless of configuration drift.

Solution: You set the -ConfigurationMode parameter to ApplyAndAutocorrect.

Does the solution meet the goal?

A. Yes

B. No

**Answer(s): A**

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**11.** You need to consider the underlined segment to establish whether it is accurate.

To compile an Internet Information Services (IIS) web application that runs docker, you should use a Default build agent pool.

Select 'No adjustment required' if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

A. No adjustment required.

B. Hosted Windows Container

C. Hosted

D. Hosted macOS

**Answer(s): C**

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**12.** Your company has an Azure DevOps environment that can only be accessed by Azure Active Directory users. You are instructed to make sure that the Azure DevOps environment can only be accessed from devices connected to the company's on-premises network.

Which of the following actions should you take?

A. Assign the devices to a security group.

B. Create a GPO.

C. Configure Security in Project Settings from Azure DevOps.

D. Configure conditional access in Azure Active Directory.

**Answer(s): D**

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**13.** You are making use of Azure DevOps to configure Azure Pipelines for project, named PROJ-01.

You are preparing to use a version control system that allows for source code to be stored on a managed Windows server located on the company network.

Which of the following is the version control system you should use?

A. Github Enterprise

B. Bitbucket cloud

C. Github Professional

D. Git in Azure Repos

**Answer(s): A**

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**14.** You need to consider the underlined segment to establish whether it is accurate.

When moving to Azure DevOps, JIRA must be replaced with the build pipelines Azure DevOps service. Select 'No adjustment required' if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

A. No adjustment required.

B. repos

C. release pipelines

D. boards

**Answer(s): D**

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**15.** You scan a Node.js application using WhiteSource Bolt.

The scan finds numerous libraries with invalid licenses, but are only used during development. You have to make sure that only production dependencies are scanned by WhiteSource Bolt.

Which of the following is a command you should run?

A. npm edit

B. npm publish

C. npm install

D. npm update

**Answer(s): C**

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**16.** You are currently defining a release strategy for an app, named APP-01.

The strategy should allow you to keep the time it takes to deploy new releases of the app to a minimum. The strategy should also allow you to roll back in the shortest time required.

Which of the following is the release strategy you should use?

A. Red/Black deployment

B. Rolling deployment

C. "Big Bang" deployment

D. Canary deployment

**Answer(s): A**

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**17.** Your company hosts a web application in Azure, and makes use of Azure Pipelines for managing the build and release of the application.

When stakeholders report that system performance has been adversely affected by the most recent releases, you configure alerts in Azure Monitor.

You are informed that new releases must satisfy specified performance baseline conditions in the staging environment before they can be deployed to production.

You need to make sure that releases not satisfying the performance baseline are prevented from being deployed.

Which of the following actions should you take?

A. You should make use of a branch control check.

B. You should make use of an alert trigger.

C. You should make use of a gate.

D. You should make use of an approval check.

**Answer(s): C**

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**18.** You need to consider the underlined segment to establish whether it is accurate.

To deploy an application to a number of Azure virtual machines, you should create a universal group. Select 'No adjustment required' if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

A. No adjustment required.

B. security

C. deployment

D. resource

**Answer(s): C**

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**19.** DRAG DROP (Drag and Drop is not supported)

You are preparing to deploy an Azure resource group via Terraform.

To achieve your goal, you have to install the necessary frameworks.

Which of the following are the frameworks you should use? Answer by dragging the correct options from the list to the answer area.

Select and Place:



A. See Explanation section for answer.

**Answer(s): A**

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**20.** You intend to make use of Azure Artifacts to share packages that you wrote, tested, validated, and deployed. You want to use a solitary feed to release several builds of each package. You have to make sure that the release of packages that are in development is restricted. Which of the following actions should you take?

A. You should make use of static code analysis.

B. You should make use of views.

C. You should make use of dynamic code analysis.

D. You should make use of upstream sources.

**Answer(s): B**

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