



# AZ-400<sup>Q&As</sup>

Designing and Implementing Microsoft DevOps Solutions

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**QUESTION 1**

You have a project in Azure DevOps named Project1. Project1 contains a pipeline that builds a container image named Image1 and pushes Image1 to an Azure container registry named ACR1. Image1 uses a base image stored in Docker Hub.

You need to ensure that Image1 is updated automatically whenever the base image is updated. What should you do?

- A. Create and run an Azure Container Registry task.
- B. Add a Docker Hub service connection to Azure Pipelines.
- C. Enable the Azure Event Grid resource provider and subscribe to registry events.
- D. Create a service hook in Project1.

Correct Answer: A

ACR Tasks supports automated container image builds when a container's base image is updated, such as when you patch the OS or application framework in one of your base images.

Reference: <https://docs.microsoft.com/en-us/azure/container-registry/container-registry-tutorial-base-image-update>

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**QUESTION 2****DRAG DROP**

You need to deploy a new project in Azure DevOps that has the following requirements:

1.

The lead developer must be able to create repositories, manage permissions, manage policies, and contribute to the repository.

2.

Developers must be able to contribute to the repository and create branches, but NOT bypass policies when pushing builds.

3.

Project managers must only be able to view the repository.

4.

The principle of least privilege must be used.

You create a new Azure DevOps project team for each role.

To which Azure DevOps groups should you add each team? To answer, drag the appropriate groups to the correct teams. Each group may be used once, more than once, or not at all. You may need to drag the split bar between panes or



scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

**Azure DevOps groups**

- Build Administrators
- Contributors
- Project Administrators
- Project Collection Administrators
- Project Collection Valid Users

**Answer Area**

- Project manager:
- Lead developer:
- Developer:

Correct Answer:

**Azure DevOps groups**

- Build Administrators
- 
- 
- 
- Project Collection Valid Users

**Answer Area**

- Project manager:
- Lead developer:
- Developer:

**QUESTION 3**

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 have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 that is configured for autoscaling.

You have a project in Azure DevOps named Project1. Project1 is used to build a web app named App1 and deploy App1 to VMSS1.

You need to ensure that an email alert is generated whenever VMSS1 scales in or out.

Solution: From Azure Monitor, configure the autoscale settings.

Does this meet the goal?

- A. Yes
- B. No



Correct Answer: B

Instead create an action group.

Note: An action group is a collection of notification preferences defined by the owner of an Azure subscription. Azure Monitor, Service Health and Azure Advisor alerts use action groups to notify users that an alert has been triggered.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/alerts/action-groups>

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#### QUESTION 4

You use GitHub for source control and Azure Boards for project management. GitHub and Azure Boards are integrated.

You plan to create a pull request in GitHub.

You need to automatically link the request to an existing Azure Boards work item by using the text of AB#.

To which two elements can you add the text? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. milestone
- B. label
- C. title
- D. comment
- E. description

Correct Answer: CE

Explanation:

You can create links between GitHub commits and pull requests to work items tracked in Azure Boards. This enables a seamless way for you to use GitHub for software development while using Azure Boards to plan and track your work.

Use AB# mention to link from GitHub to Azure Boards work items

From a GitHub commit, pull request or issue, use the following syntax to create a link to your Azure Boards work item. Enter the AB#ID within the text of a commit message. Or, for a pull request or issue, enter the AB#ID within the title or description (not a comment).

Reference:

<https://learn.microsoft.com/en-us/azure/devops/boards/github/link-to-from-github>

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#### QUESTION 5



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

Correct Answer: C

When authoring an Azure Pipelines or TFS Release pipeline, you can specify the deployment targets for a job using a deployment group.

If the target machines are Azure VMs, you can quickly and easily prepare them by installing the Azure Pipelines Agent Azure VM extension on each of the VMs, or by using the Azure Resource Group Deployment task in your release pipeline

to create a deployment group dynamically.

Reference: <https://docs.microsoft.com/en-us/azure/devops/pipelines/release/deployment-groups>

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