# Exam Questions AZ-400

Microsoft Azure DevOps Solutions (beta)

**https://www.2passeasy.com/dumps/AZ-400/**

**NEW QUESTION 1**
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 m.ght meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
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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 a service hook subscription that uses the code pushed event. Does this meet the goal?

A. Yes
B. NO

**Answer:** A

**Explanation:**
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

**NEW QUESTION 2**
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Your company has a prefect in Azure DevOps for a new web application. You need to ensure that when code is checked in, a build runs automatically.
Solution: from the Triggers tab of the build pipeline, you select Enable continuous integration
Does the meet the goal?

A. Yes
B. No

**Answer:** B

**Explanation:**
In Visual Designer you enable continuous integration (CI) by:
„hSelect the Triggers tab.
„hEnable Continuous integration.
A continuous integration trigger on a build pipeline indicates that the system should automatically queue a new build whenever a code change is committed.
References:
https://docs.microsoft.com/en-us/azure/devops/pipelines/get-started-designer

**NEW QUESTION 3**
DRAG DROP
You need to increase the security of your team's development process.
Which type of security tool should you recommend for each stage of the development process? To answer, drag the appropriate security toots to the correct stages. Each security tool 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.



A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
Box 1: Threat modeling
Threat modeling¡¦s motto should be, ¡§The earlier the better, but not too late and never ignore.¡¨
Box 2: Static code analysis
Validation in the CI/CD begins before the developer commits his or her code. Static code analysis tools in the IDE provide the first line of defense to help ensure that security vulnerabilities are not introduced into the CI/CD process.
Box 3: Penetration testing
Once your code quality is verified, and the application is deployed to a lower environment like development or QA, the process should verify that there are not any security vulnerabilities in the running application. This can be accomplished by executing automated penetration test against the running application to scan it for vulnerabilities.
References: https://docs.microsoft.com/en-us/azure/devops/articles/securityvalidation- cicd-pipeline?view=vsts

**NEW QUESTION 4**

Your company uses Azure DevOps for the build pipelines and deployment pipelines of Java based projects. You need to recommend a strategy for managing technical debt.
Which two actions should you include in the recommendation? Each correct answer presents part of the solution
NOTE: Each correct selection is worth one point.

A. Integrate Azure DevOps and SonarQube.
B. Integrates Azure DevOPs and Azure DevTest Labs.
C. Configure post-deployment approvals in the deployment pipeline.
D. Configure pre-deployment approvals in the deployment pipelin

**Answer:** AC

**NEW QUESTION 5**
DRAG DROP
You need to configure access to Azure DevOps Agent pools to meet the forwarding requirements:
¡E Use a project agent pool when authoring build release pipelines.
¡E View the agent pool and agents of the organization.
¡E Use the principle of least privilege.
Which role memberships are required for the Azure 0e%Oos organization and the project? To answer, drag the appropriate role membership to the correct targets.
Each role membership may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to content
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Reader
Members of the Reader role can view the organization agent pool as well as agents. You typically use this to add operators that are responsible for monitoring the agents and their health.
Box 2: Service account
Members of the Service account role can use the organization agent pool to create a project agent pool in a project. If you follow the guidelines above for creating new project agent pools,
you typically do not have to add any members here. Incorrect Answers:
In addition to all the permissions given the Reader and the Service Account role, members of the administrator role can register or unregister agents from the organization agent pool. They can also refer to the organization agent pool when creating a project agent pool in a project. Finally, they can also manage membership for all roles of the organization agent pool. The user that created the organization agent pool is automatically added to the Administrator role for that pool.
References: https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/poolsqueues

**NEW QUESTION 6**
HOTSPOT
Your company is creating a suite of three mobile applications.
You need to control access to the application builds. The solution must be managed at the organization level
What should you use? To answer, select the appropriate options m the answer area. NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
Box 1: Microsoft Visual Studio App Center distribution Groups
Distribution Groups are used to control access to releases. A Distribution Group represents a set of users that can be managed jointly and can have common access to releases. Example of Distribution Groups can be teams of users, like the QA Team or External Beta Testers or can represent stages or rings of releases, such as Staging.
Box 2: Shared
Shared distribution groups are private or public distribution groups that are shared across multiple apps in a single organization. Shared distribution groups eliminate the need to replicate distribution groups across multiple apps.
Note: With the Deploy with App Center Task in Visual Studio Team Services, you can deploy your apps from Azure DevOps (formerly known as VSTS) to App Center. By deploying to App Center, you will be able to distribute your builds to your users. References: https://docs.microsoft.com/en-us/appcenter/distribution/groups

**NEW QUESTION 7**
You use Azure SQL Database Intelligent Insights and Azure Application Insights foe monitoring.
You need to write ad-hoc Queries against the monitoring data. Which Query language should you use?

A. PL/pgSQL
B. Transact-SQL
C. Azure Log Analytics
D. PL/SQL

**Answer:** C

**Explanation:**
Data analysis in Azure SQL Analytics is based on Log Analytics language for your custom querying and reporting.
References: https://docs.microsoft.com/en-us/azure/azure-monitor/insights/azure-sql

**NEW QUESTION 8**
HOTSPOT
Your company is building a new web application.
You plan to collect feedback from pilot users on the features being delivered. All the pilot users have a corporate computer that has Google Chrome and the Microsoft Test & Feedback extension installed. The pilot users will test the application by using Chrome.
You need to identify which access levels are required to ensure that developers can request and gather feedback from the pilot users. The solution must use the principle of least privilege.
Which access levels m Azure DevOps should you identify? To answer, select the
appropriate options in the answer area
NOTE: Each correct selection is worth one point.

Developers: [ ▼ ]
  Basic
  Stakeholder

Pilot users: [ ▼ ]
  Basic
  Stakeholder

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
 Box 1: Basic
Assign Basic to users with a TFS CAL, with a Visual Studio Professional subscription, and to users for whom you are paying for Azure Boards & Repos in an organization.
Box 2: Stakeholder
Assign Stakeholders to users with no license or subscriptions who need access to a limited set of features.
Note:
You assign users or groups of users to one of the following access levels: Basic: provides access to most features
VS Enterprise: provides access to premium features
Stakeholders: provides partial access, can be assigned to unlimited users for free References: https://docs.microsoft.com/enus/azure/devops/organizations/security/access-levels?view=vsts

**NEW QUESTION 9**
You have multi-tier application that h. an Azure Web Apps front end and art Azure SQL Datable back end.
You need to recommend a solution to capture and store telemetry dat

A. The solution must meet the following requirements:¡E Support using ad-hoc queries to identify baselines.¡E Trigger alerts when metrics in the baseline are exceeded.¡E Store application and database metrics in a central locatio
B. What should you include in the recommendation?
C. Azure Application Insights
D. Azure SQL Database Intelligent Insights
E. Azure Event Hubs
F. Azure Log Analytics

**Answer:** D

**Explanation:**
Azure Platform as a Service (PaaS) resources, like Azure SQL and Web Sites (Web Apps), can emit performance metrics data natively to Log Analytics.
The Premium plan will retain up to 12 months of data, giving you an excellent baseline ability.
There are two options available in the Azure portal for analyzing data stored in Log analytics and for creating queries for ad hoc analysis.
References: https://docs.microsoft.com/en-us/azure/azure-monitor/platform/collectazurepass- posh

**NEW QUESTION 10**
Your company creates a web application.
You need to recommend a solution that automatically sends to Microsoft Teams a dairy summary of the exceptions that occur m the application.
Which two Azure services should you recommend? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Microsoft Visual Studio App Center
B. Azure DevOps Project
C. Azure Logic Apps
D. Azure Pipelines
E. Azure Application Insights

**Answer:** CE

**Explanation:**
References:
https://docs.microsoft.com/en-us/azure/azure-monitor/app/asp-net-exceptions https://docs.microsoft.com/en-us/azure/azure-monitor/app/automate-custom-reports

**NEW QUESTION 10**
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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 approval process that contains a condition. The condition requires that releases be approved by a team leader before they are deployed.
You have a policy stating that approvals must occur within eight hours.
You discover that deployment fail if the approvals take longer than two hours. You need to ensure that the deployments only fail if the approvals take longer than eight hours.
Solution: From Pre-deployment conditions, you modify the Time between reevaluation of gates option.
Does this meet the goal?

A. Yes
B. No

**Answer:** A

**Explanation:**
Gates allow automatic collection of health signals from external services, and then promote the release when all the signals are successful at the same time or stop the deployment on timeout. Typically, gates are used in connection with incident management, problem management, change management, monitoring, and external approval systems.
References: https://docs.microsoft.com/enus/ azure/devops/pipelines/release/approvals/gates
Approvals and gates give you additional control over the start and completion of the deployment pipeline. Each stage in a release pipeline can be configured with predeployment and post-deployment conditions that can include waiting for users to
manually approve or reject deployments, and checking with other automated systems until specific conditions are verified.

**NEW QUESTION 13**
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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 plan to create a release pipeline that will deploy Azure resources by using Azure Resource Manager templates. The release pipeline will create the following resources:
„hTwo resource groups
„hFour Azure virtual machines in one resource group
„hTwo Azure SQL databases in other resource group
You need to recommend a solution to deploy the resources.
Solution: Create two standalone templates, each of which will deploy the resources in its respective group.
Does this meet the goal?

A. Yes
B. No

**Answer:** B

**Explanation:**
Use a main template and two linked templates.
References: https://docs.microsoft.com/en-us/azure/azure-resourcemanager/ resource-group-linked-templates

**NEW QUESTION 16**
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

**Answer:** C

**Explanation:**
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:
„hDetect and remedy vulnerable open source components.
„hGenerate comprehensive open source inventory reports per project or build.
„hEnforce open source license compliance, including dependencies¡¦ licenses.
„hIdentify outdated open source libraries with recommendations to update. References: https://www.azuredevopslabs.com/labs/vstsextend/WhiteSource/

**NEW QUESTION 19**
Your company develops a client banking application that processes a large volume of data.
Code quality is an ongoing issue for the company. Recently, the code quality has deteriorated because of an increase in time pressure on the development team.
You need to implement static code analysis.
During which phase should you use static code analysis?

A. build
B. production release
C. staging
D. integration testing

**Answer:** B

**NEW QUESTION 22**
DRAG DROP
You plan to use Azure Kubernetes Service (AKS) to host containers deployed from images hosted in a Docker Trusted Registry.
You need to recommend a solution for provisioning and connecting to AKS. The solution must ensure that AKS is RBAC-enaWed and uses a custom service principal.
Which three commands should you recommend be run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the coned order.



A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 27**
What should you use to implement the code quality restriction on the release pipeline for the investment planning applications suite?

A. a trigger
B. a pre deployment approval
C. a post-deployment approval
D. a deployment gate

**Answer:** B

**Explanation:**
When a release is created from a release pipeline that defines approvals, the deployment stops at each point where approval is required until the specified approver grants approval or rejects the release (or re-assigns the approval to another user).
Scenario: Code quality and release quality are critical. During release, deployments must not proceed between stages if any active bugs are logged against the release. References: https://docs.microsoft.com/enus/ azure/devops/pipelines/release/approvals/approvals

**NEW QUESTION 32**
DRAG DROP
You need to configure Azure Automation for the computers in Pool7.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them m the correct order.



A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 35**
DRAG DROP
You need to implement Project6.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them m the correct order.

| Actions | | Answer Area |
|---|---|---|
| Open the release pipeline editor. | | 1 |
| Open the **Triggers** tab. | | 2 |
| Disable the continuous integration trigger. | | 3 |
| Enable Gates. | | |
| Add a manual intervention task. | | |
| Add Query Work Items. | | |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

| Actions | | Answer Area | |
|---|---|---|---|
| Open the release pipeline editor. | | 1 | Add a manual intervention task. |
| Open the **Triggers** tab. | | 2 | Add Query Work Items. |
| Disable the continuous integration trigger. | | 3 | Enable Gates. |

**NEW QUESTION 39**
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