



Microsoft

Exam Questions AZ-400

Microsoft Azure DevOps Solutions (beta)

NEW QUESTION 1

HOTSPOT - (Topic 4)

HOTSPOT

You need to create deployment files for an Azure Kubernetes Service (AKS) cluster. The deployments must meet the provisioning storage requirements shown in the following table.

Deployment	Requirement
Deployment 1	Use files stored on an SMB-based share from the container's file system.
Deployment 2	Use files on a managed disk from the container's file system.
Deployment 3	Securely access X.509 certificates from the container's file system.

Which resource type should you use for each deployment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Deployment 1: ▼

- azurekeyvault-flexvolume
- blobfuse-flexvol
- kubernetes.io/azure-disk
- kubernetes.io/azure-file
- volume.beta.kubernetes.io/storage-provisioner

Deployment 2: ▼

- azurekeyvault-flexvolume
- blobfuse-flexvol
- kubernetes.io/azure-disk
- kubernetes.io/azure-file
- volume.beta.kubernetes.io/storage-provisioner

Deployment 3: ▼

- azurekeyvault-flexvolume
- blobfuse-flexvol
- kubernetes.io/azure-disk
- kubernetes.io/azure-file
- volume.beta.kubernetes.io/storage-provisioner

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Deployment 1: Kubernetes.io/azure-file

You can use Azure Files to connect using the Server Message Block (SMB) protocol. Deployment 2: Kubernetes.io/azure-disk

Deployment 3: azurekeyvault-flexvolume

azurekeyvault-flexvolume: Key Vault FlexVolume: Seamlessly integrate your key management systems with Kubernetes.

Secrets, keys, and certificates in a key management system become a volume accessible to pods. Once the volume is mounted, its data is available directly in the container filesystem for your application.

NEW QUESTION 2

HOTSPOT - (Topic 4)

You have a project in Azure DevOps that includes two users named User1 and User2. You plan to use Azure Monitor to manage logs.

You need to ensure that the users can perform the actions shown in following the table.

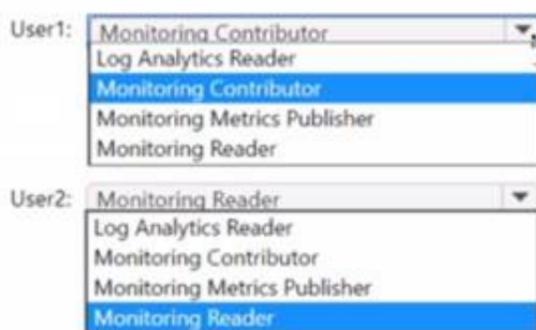
User	Action
User1	<ul style="list-style-type: none"> Create private monitoring dashboards. Search usage data for an Azure Monitor workspace.
User2	<ul style="list-style-type: none"> View autoscale settings. View alert activities and settings.

The solution must follow the principle of least privilege.

Which role should you assign to each user? To answer select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

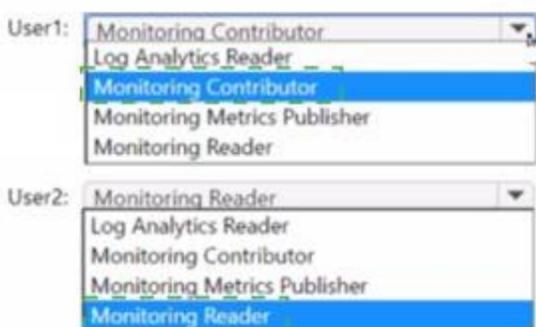


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 3

- (Topic 4)

Your company has a hybrid cloud between Azure and Azure Stack.

The company uses Azure DevOps for its CI/CD pipelines. Some applications are built by using Erlang and Hack.

You need to ensure that Erlang and Hack are supported as part of the build strategy across the hybrid cloud. The solution must minimize management overhead.

What should you use to execute the build pipeline?

- A. AzureDevOps self-hosted agents on Azure DevTest Labs virtual machines.
- B. AzureDevOps self-hosted agents on virtual machine that run on Azure Stack
- C. AzureDevOps self-hosted agents on Hyper-V virtual machines
- D. a Microsoft-hosted agent

Answer: B

Explanation:

Azure Stack offers virtual machines (VMs) as one type of an on-demand, scalable computing resource. You can choose a VM when you need more control over the computing environment.

References: <https://docs.microsoft.com/en-us/azure/azure-stack/user/azure-stack-compute-overview>

NEW QUESTION 4

- (Topic 4)

You have an Azure subscription that contains an Azure Active Directory (Azure AD) tenant. You are configuring a build pipeline in Azure Pipelines that will include a task named

Task1. Task1 will authenticate by using an Azure AD service principal.

Which three values should you configure for Task1? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. the object ID
- B. the tenant ID
- C. the app ID
- D. the client secret
- E. the subscription ID

Answer: BCD

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/library/connect-to-azure>

NEW QUESTION 5

- (Topic 4)

You are developing an iOS application by using Azure DevOps.

You need to test the application manually on 10 devices without releasing the application to the public.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create a Microsoft Intune device compliance policy.
- B. Deploy a certificate from an internal certification authority (CA) to each device.
- C. Register the application in the iTunes store.
- D. Onboard the devices into Microsoft Intune.
- E. Distribute a new release of the application.
- F. Register the IDs of the devices in the Apple Developer portal.

Answer: EF

Explanation:

References: <https://help.apple.com/xcode/mac/current/#/dev7ccaf4d3c>

NEW QUESTION 6

- (Topic 4)

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 need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:

- The builds must access an on-premises dependency management system.
- The build outputs must be stored as Server artifacts m Azure DevOps.
- The source code must be stored in a get repository in Azure DevOps.

Solution: Configure the build pipeline to use a Microsoft-hosted agent pool running the Windows Server 2022 with Visual Studio 2022 image, include the Java Tool installer task in the build pipeline.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 7

HOTSPOT - (Topic 4)

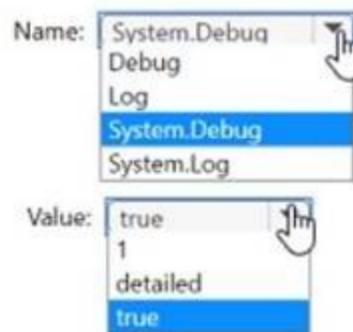
You have a project in Azure DevOps that contains a Continuous Integration/Continuous Deployment (CI/CD) pipeline.

You need to enable detailed logging by defining a pipeline variable.

How should you configure the variable? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

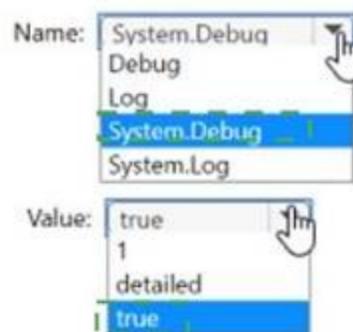


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 8

- (Topic 4)

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.

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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 9

- (Topic 4)

You have a GitHub repository that contains workflows. The workflows contain steps that execute predefined actions. Each action has one or more versions. You need to request the specific version of an action to execute.

Which three attributes can you use to identify the version? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. the SHA-based hashes
- B. the tag
- C. the runner
- D. the branch
- E. the serial

Answer: ABD

Explanation:

<https://docs.github.com/en/actions/using-workflows/workflow-syntax-for-github-actions>

"We strongly recommend that you include the version of the action you are using by specifying a Git ref, SHA, or Docker tag. If you don't specify a version, it could break your workflows or cause unexpected behavior when the action owner publishes an update. Using the commit SHA of a released action version is the safest for stability and security. If the action publishes major version tags, you should expect to receive critical fixes and security patches while still retaining compatibility. Note that this behavior is at the discretion of the action's author. Using the default branch of an action may be convenient, but if someone releases a new major version with a breaking change, your workflow could break."

NEW QUESTION 10

- (Topic 4)

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.

Answer: A

Explanation:

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>

NEW QUESTION 10

- (Topic 4)

You use GitHub for source control.

A file that contains sensitive data is committed accidentally to the Get repository of a project.

You need to delete the file and its history from the repository.

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

- A. the git filter-branch command
- B. BFG Repo-Cleaner
- C. the git rebase command
- D. GitHub Desktop

Answer: AB

Explanation:

To entirely remove unwanted files from a repository's history you can use either the git filter-branch command or the BFG Repo-Cleaner open source tool.

Reference:

<https://docs.github.com/en/github/authenticating-to-github/keeping-your-account-and-data-secure/removing-sensitive-data-from-a-repository>

NEW QUESTION 12

- (Topic 4)

You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 and an Azure Standard Load Balancer named LB1. LB1 distributes incoming requests across VMSS1 instances.

You use Azure DevOps to build a web app named Appl and deploy App1 to VMSS1. App1 is accessible via HTTPS only and configured to require mutual

authentication by using a client certificate.

You need to recommend a solution for implementing a health check of App1. The solution must meet the following requirements:

- Identify whether individual instances of VMSS are eligible for an upgrade operation.
- Minimize administrative effort.

What should you include in the recommendation?

- A. the Custom Script Extension
- B. the Application Health extension
- C. Azure Monitor autoscale
- D. an Azure Load Balancer health probe

Answer: B

Explanation:

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-health-extension#when-to-use-the-application-health-extension>

NEW QUESTION 15

DRAG DROP - (Topic 4)

You are using the Dependency Tracker extension in a project in Azure DevOps. You generate a risk graph for the project.

What should you use in the risk graph to identify the number of dependencies and the risk level of the project? To answer, drag the appropriate elements to the correct data points. Each element 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:

NEW QUESTION 19

- (Topic 4)

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.

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The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.

You need to recommend changes to reduce the accumulated technical debt.

Solution: You recommend increasing the code duplication. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead reduce the code complexity. Reference:
<https://dzone.com/articles/fight-through-the-pain-how-to-deal-with-technical>

NEW QUESTION 20

- (Topic 4)

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 need to recommend an integration strategy for the build process of a Java application.

The solution must meet the following requirements:

- ? The builds must access an on-premises dependency management system.
- ? The build outputs must be stored as Server artifacts in Azure DevOps.
- ? The source code must be stored in a Git repository in Azure DevOps.

Solution: Configure an Octopus Tentacle on an on-premises machine. Use the Package Application task in the build pipeline.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

Octopus Deploy is an automated deployment server that makes it easy to automate deployment of ASP.NET web applications, Java applications, NodeJS application and custom scripts to multiple environments.
 Octopus can be installed on various platforms including Windows, Mac and Linux. It can also be integrated with most version control tools including VSTS and GIT. When you deploy software to Windows servers, you need to install Tentacle, a lightweight agent service, on your Windows servers so they can communicate with the Octopus server.
 When defining your deployment process, the most common step type will be a package step. This step deploys your packaged application onto one or more deployment targets.
 When deploying a package you will need to select the machine role that the package will be deployed to.
 References:
<https://octopus.com/docs/deployment-examples/package-deployments> <https://explore.emtecinc.com/blog/octopus-for-automated-deployment-in-devops-models>

NEW QUESTION 23

HOTSPOT - (Topic 4)

Your company uses a Git source-code repository.
 You plan to implement GitFlow as a workflow strategy.
 You need to identify which branch types are used for production code and preproduction code in the strategy.
 Which branch type should you identify for each code type? To answer, select the appropriate options in the answer area.
 NOTE: Each correct selection is worth one point.

Answer Area

Production code:	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Master Feature Develop </div>
Preproduction code:	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Master Feature Develop </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Master
 The Master branch contains production code. All development code is merged into master in sometime.
 Box 2: Develop
 The Develop branch contains pre-production code. When the features are finished then they are merged into develop.

NEW QUESTION 26

- (Topic 4)

You have a project in Azure DevOps named Project that contains a Kanban board named Board1.
 You create a Microsoft Teams channel and add the Azure Boards app to the channel. You need to ensure that users can create work items in Board1 from Microsoft Teams. Which command should you run?

- A. @azure boards sign in
- B. @azure boards link
- C. @azure boards create
- D. @azure boards subscriptions

Answer: B

NEW QUESTION 27

- (Topic 4)

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 auto scaling.
 You have a project in Azure DevOps named Project 1. 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 auto scale settings.
 Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 28

DRAG DROP - (Topic 4)

Your company has a project in Azure DevOps.
 You plan to create a release pipeline that will deploy resources by using Azure Resource Manager templates. The templates will reference secrets stored in Azure Key Vault.
 You need to recommend a solution for accessing the secrets stored in the key vault during deployments. The solution must use the principle of least privilege.
 What should you include in the recommendation? To answer, drag the appropriate configurations to the correct targets. Each configuration 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.

Configurations

an Azure Key Vault access policy

a personal access token (PAT)

RBAC

Answer Area

Restrict access to delete the key vault:

Restrict access to the secrets in Key Vault by using:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: RBAC

Management plane access control uses RBAC.

The management plane consists of operations that affect the key vault itself, such as:

? Creating or deleting a key vault.

? Getting a list of vaults in a subscription.

? Retrieving Key Vault properties (such as SKU and tags).

? Setting Key Vault access policies that control user and application access to keys and secrets.

Box 2: RBAC

References:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-tutorial-use-key-vault>

NEW QUESTION 30

- (Topic 4)

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 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 Post-deployment conditions, you modify the Timeout setting for post- deployment approvals.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Use Pre-deployments conditions instead. Use a gate instead of an approval instead.

References:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/release/approvals/gates>

NEW QUESTION 35

- (Topic 4)

You have a web app hosted on Azure App Service. The web app stores data in an Azure SQL database.

You need to generate an alert when there are 10,000 simultaneous connections to the database. The solution must minimize development effort.

Which option should you select in the Diagnostics settings of the database?

- A. Send to Log Analytics
- B. Archive to m storage account
- C. Stream to an event hub

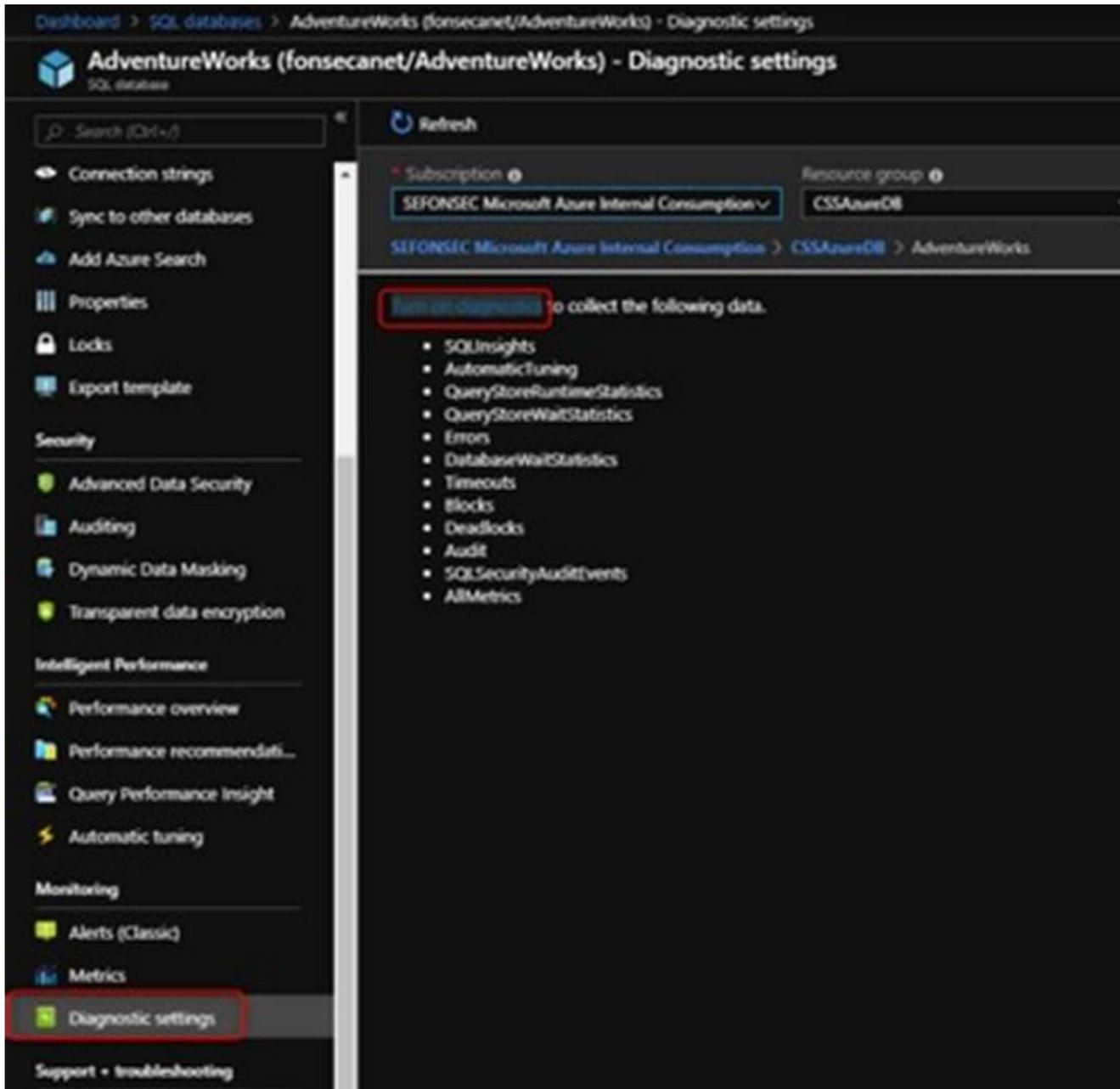
Answer: A

Explanation:

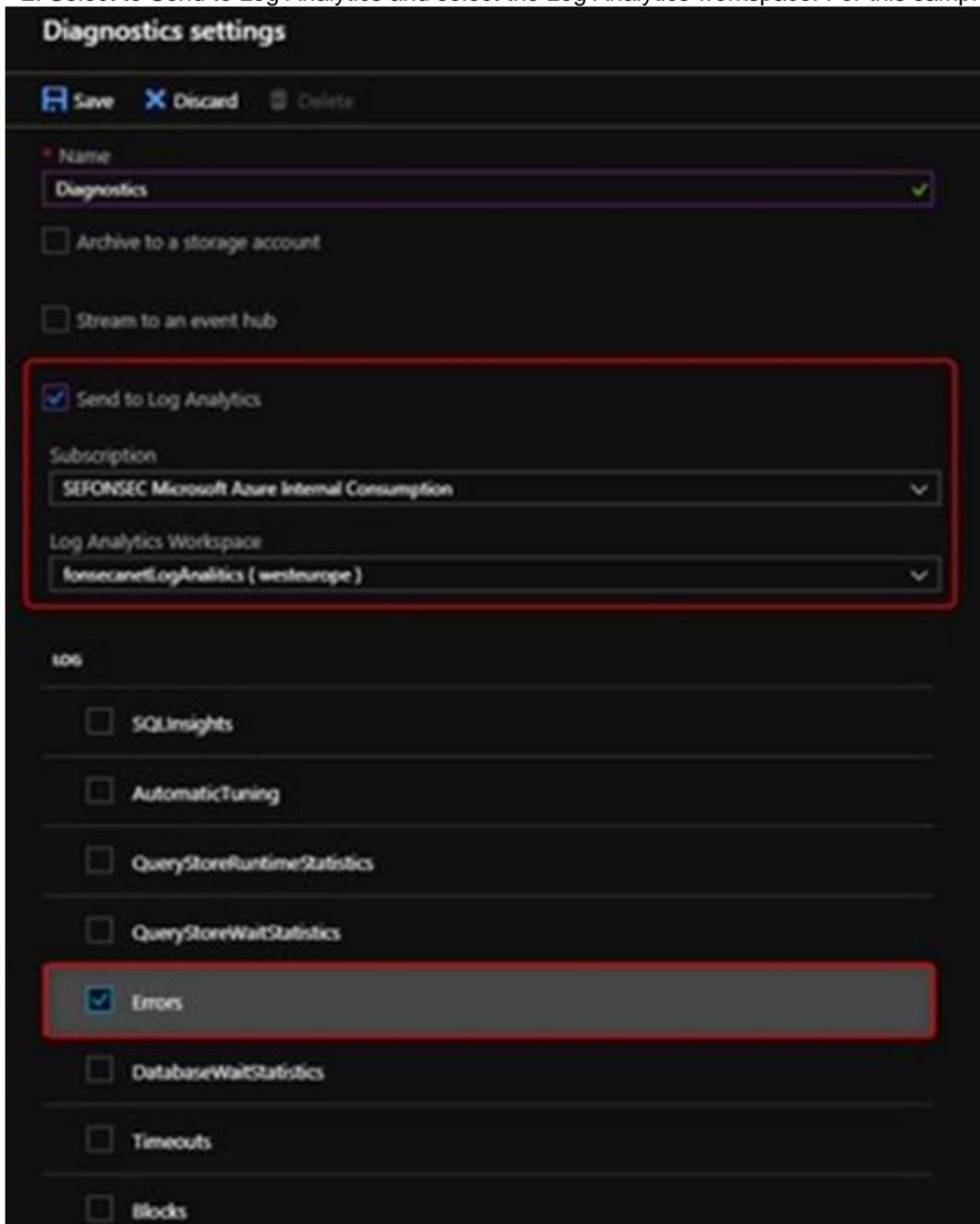
ENABLE DIAGNOSTICS TO LOG ANALYTICS

This configuration is done PER DATABASE

* 1. Click on Diagnostics Settings and then Turn On Diagnostics



* 2. Select to Send to Log Analytics and select the Log Analytics workspace. For this sample I will selected only Errors



Reference:

<https://techcommunity.microsoft.com/t5/azure-database-support-blog/azure-sql-db-and-log-analytics-better-together-part-1/ba-p/794833>

NEW QUESTION 38

- (Topic 4)

You manage projects by using Azure Boards.

You have a current work item name item A that is dependent on a work item named item3. You need to define the dependency for item A.

What should you do in the web portal for Azure DevOps?

- A. From Backlogs, open the context menu, select Add link and then select item3. Set Link type to Related and add the ID of item A
- B. From item A, open the Links tab, and then select Add link
- C. Set Link type to Successor and add the ID of item B.
- D. From Queries, open the context menu, select Add link, and then select Existing item
- E. Set Link type to Affected By and add the ID of item B.
- F. From item A, open the Links tab, and then select Add link
- G. Set Link type to References and add the ID Of item B.

Answer: B

NEW QUESTION 41

- (Topic 4)

You have a Microsoft ASP.NET Core web app in Azure that is accessed worldwide.

You need to run a URL ping test once every five minutes and create an alert when the web app is unavailable from specific Azure regions. The solution must minimize development time.

What should you do?

- A. Create an Azure Monitor Availability metric and alert.
- B. Create an Azure Application Insights availability test and alert.
- C. Write an Azure function and deploy the function to the specific regions.
- D. Create an Azure Service Health alert for the specific regions.

Answer: B

Explanation:

There are three types of Application Insights availability tests:

URL ping test: a simple test that you can create in the Azure portal. Multi-step web test

Custom Track Availability Tests

Note: After you've deployed your web app/website, you can set up recurring tests to monitor availability and responsiveness. Azure Application Insights sends web requests to your application at regular

intervals from points around the world. It can alert you if your application isn't responding, or if it responds too slowly.

You can set up availability tests for any HTTP or HTTPS endpoint that is accessible from the public internet. You don't have to make any changes to the website you're testing. In fact, it doesn't even have to

be a site you own. You can test the availability of a REST API that your service depends on.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/monitor-web-app-availability#create-a-url-ping-test>

NEW QUESTION 45

- (Topic 4)

You use WhiteSource Bolt to scan a Node.js application.

The WhiteSource Bolt scan identifies numerous libraries that have invalid licenses. The libraries are used only during development and are not part of a production deployment.

You need to ensure that WhiteSource Bolt only scans production dependencies.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Run npm install and specify the --production flag.
- B. Modify the WhiteSource Bolt policy and set the action for the licenses used by the development tools to Reassign.
- C. Modify the devDependencies section of the project's Package.json file.
- D. Configure WhiteSource Bolt to scan the node_modules directory only.

Answer: AC

Explanation:

A: To resolve NPM dependencies, you should first run "npm install" command on the relevant folders before executing the plugin.

C: All npm packages contain a file, usually in the project root, called package.json - this file holds various metadata relevant to the project. This file is used to give information to npm that allows it to identify the project as well as handle the project's dependencies. It can also contain other metadata such as a project description, the version of the project in a particular distribution, license information, even configuration data - all of which can be vital to both npm and to the end users of the package.

Reference: <https://whitesource.atlassian.net/wiki/spaces/WD/pages/34209870/NPM+Plugin>

<https://nodejs.org/en/knowledge/getting-started/npm/what-is-the-file-package-json>

NEW QUESTION 49

- (Topic 4)

Your company has a project in Azure DevOps for a new web application. The company identifies security as one of the highest priorities.

You need to recommend a solution to minimize the likelihood that infrastructure credentials will be leaked.

What should you recommend?

- A. Add a Run Inline Azure PowerShell task to the pipeline.
- B. Add a PowerShell task to the pipeline and run Set-AzureKeyVaultSecret.
- C. Add a Azure Key Vault task to the pipeline.
- D. Add Azure Key Vault references to Azure Resource Manager templates.

Answer: B

Explanation:

Azure Key Vault provides a way to securely store credentials and other keys and secrets. The Set-AzureKeyVaultSecret cmdlet creates or updates a secret in a key vault in Azure Key Vault.

References:

<https://docs.microsoft.com/en-us/powershell/module/azurerm/keyvault/set-azurekeyvaultsecret>

NEW QUESTION 53

- (Topic 4)

Your company develops an application named App1 that is deployed in production.

As part of an application update, a new service is being added to App1. The new service requires access to an application named App2 that is currently in development.

You need to ensure that you can deploy the update to App1 before App2 becomes available. You must be able to enable the service in App1 once App2 is deployed. What should you do?

- A. Create a branch in the build.
- B. Implement a branch policy.
- C. Create a fork in the build.
- D. Implement a feature flag.

Answer: D

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/devops/migrate/phase-features-with-feature-flags>

NEW QUESTION 54

DRAG DROP - (Topic 4)

You are defining release strategies for two applications as shown in the following table.

Application name	Goal
App1	Failure of App1 has a major impact on your company. You need a small group of users, who opted in to a testing App1, to test new releases of the application.
App2	You need to minimize the time it takes to deploy new releases of App2, and you must be able to roll back as quickly as possible.

Which release strategy should you use for each application? To answer, drag the appropriate release strategies to the correct applications. Each release strategy 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.

Release Strategies

- Blue/Green deployment
- Canary deployment
- Rolling deployment

Answer Area:

App1:

App2:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

App1: Canary deployment

With canary deployment, you deploy a new application code in a small part of the production infrastructure. Once the application is signed off for release, only a few users are routed to it. This minimizes any impact.

With no errors reported, the new version can gradually roll out to the rest of the infrastructure.

App2: Rolling deployment:

In a rolling deployment, an application's new version gradually replaces the old one. The actual deployment happens over a period of time. During that time, new and old versions will coexist without affecting functionality or user experience. This process makes it easier to roll back any new component incompatible with the old components.

NEW QUESTION 58

- (Topic 4)

You manage an Azure web app that supports an e-commerce website.

You need to increase the logging level when the web app exceeds normal usage patterns. The solution must minimize administrative overhead.

Which two resources should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. an Azure Automation run book
- B. an Azure Monitor alert that has a dynamic threshold
- C. an Azure Monitor alert that has a static threshold
- D. the Azure Monitor auto scale settings
- E. an Azure Monitor alert that uses an action group that has an email action

Answer: AB

Explanation:

A: You can use Azure Monitor to monitor base-level metrics and logs for most services in Azure. You can call Azure Automation run books by using action groups or by using classic alerts to automate tasks based on alerts.

B: Metric Alert with Dynamic Thresholds detection leverages advanced machine learning (ML) to learn metrics' historical behavior, identify patterns and anomalies that indicate possible service issues. It provides support of both a simple UI and operations at scale by allowing users to configure alert rules through the Azure Resource Manager API, in a fully automated manner. Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-dynamic-thresholds>

<https://docs.microsoft.com/en-us/azure/automation/automation-create-alert-triggered-runbook>

NEW QUESTION 60

- (Topic 4)

You have an Azure virtual machine that is monitored by using Azure Monitor. The virtual machine has the Azure Log Analytics agent installed.

You plan to deploy the Service Map solution from Azure Marketplace.

What should you deploy to the virtual machine to support the Service Map solution?

- A. the Telegraf agent
- B. the Azure Monitor agent
- C. the Dependency agent
- D. the Windows Azure diagnostics extension (WAD)

Answer: C

NEW QUESTION 65

- (Topic 4)

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 plan to update the Azure DevOps strategy of your company.

You need to identify the following issues as they occur during the company's development process:

? Licensing violations

? Prohibited libraries

Solution: You implement continuous deployment. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead implement continuous integration.

Note: 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 denitive database of open source repositories.

Reference: <https://azuredevopslabs.com/labs/vstsextend/whitesource/>

NEW QUESTION 67

- (Topic 4)

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 have an Azure pipeline that is used to deploy a web app. The pipeline includes a test suite named TestSuite1. TestSuite1 is used to validate the operations of the web app.

TestSuite1 fails intermittently.

You identify that the failures are unrelated to changes in the source code and execution environment.

You need to minimize troubleshooting effort for the TestSuite1 failures. Solution: You enable Test Impact Analysis (TIA).

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 70

- (Topic 4)

You have an Azure DevOps project named Project1 and an Azure subscription named Sub1. Sub1 contains an Azure SQL database named DB1.

You need to create a release pipeline that uses the Azure SQL Database Deployment task to update DB1.
 Which artifact should you deploy?

- A. a BACPAC
- B. a DACPAC
- C. an LDF file
- D. an MDF file

Answer: B

Explanation:

Use Azure SQL Database Deployment task in a build or release pipeline to deploy to Azure SQL DB using a DACPAC or run scripts using SQLCMD.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/deploy/sql-azure-dacpac-deployment>

NEW QUESTION 74

- (Topic 4)

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.

The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.

You need to recommend changes to reduce the accumulated technical debt. Solution: You recommend reducing the code coupling and the dependency cycles? Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead reduce the code complexity.

Note: Technical debt is the accumulation of sub-optimal technical decisions made over the lifetime of an application. Eventually, it gets harder and harder to change things: it's the 'sand in the gears' that sees IT initiatives grind to a halt.

Reference:

<https://dzone.com/articles/fight-through-the-pain-how-to-deal-with-technical> <https://www.devopsgroup.com/blog/five-ways-devops-helps-with-technical-debt/>

NEW QUESTION 76

SIMULATION - (Topic 4)

You have several apps that use an Azure SQL Database named db1.

You need to ensure that queries to db1 are tuned by Azure over time. The solution must only apply to db1.

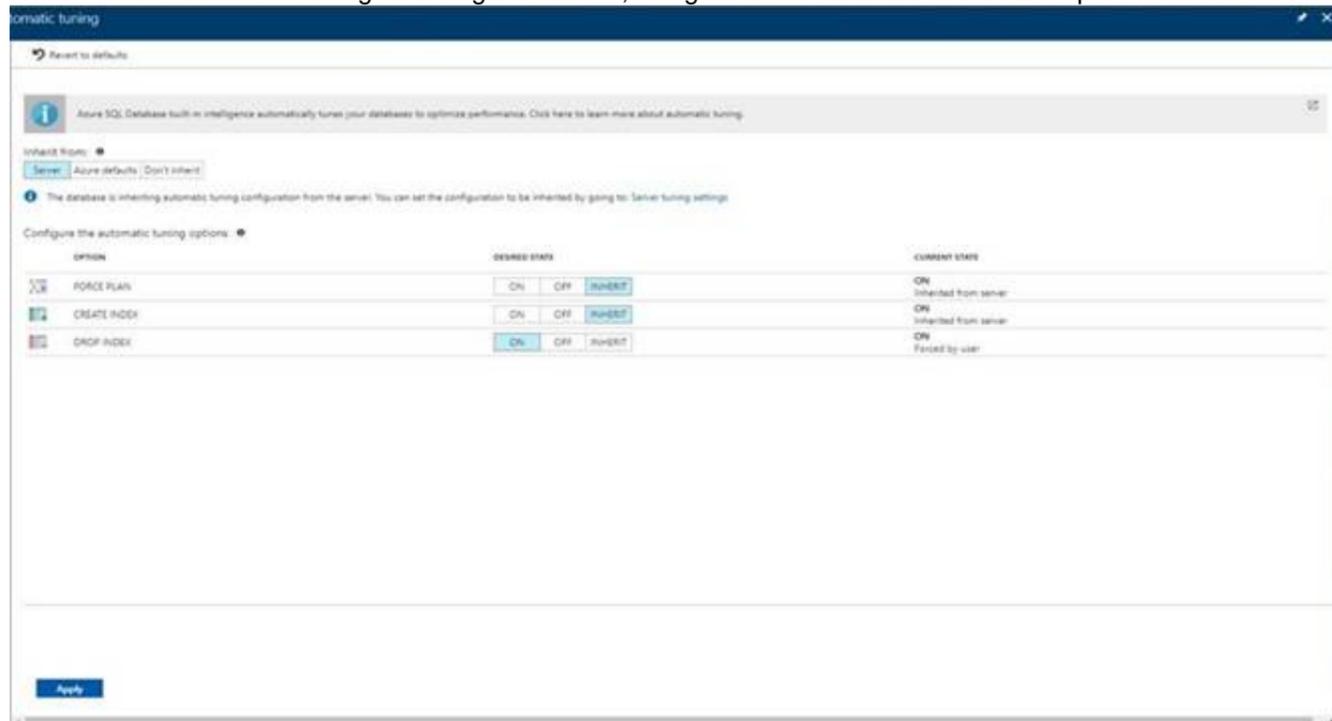
To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* 1. To enable automatic tuning on a single database, navigate to the database in the Azure portal and select Automatic tuning.



* 2. Select the automatic tuning options you want to enable and select Apply.

Note: Individual automatic tuning settings can be separately configured for each database. You can manually configure an individual automatic tuning option, or specify that an option inherits its settings from the server.

NEW QUESTION 77

DRAG DROP - (Topic 4)

You have a private project in Azure DevOps and two users named User1 and User2. You need to add User1 and User2 to groups to meet the following

requirements:

? User1 must be able to create a code wiki.

? User2 must be able to edit wiki pages.

? The solution must use the principle of least privilege.

To which group should you add each user? To answer, drag the appropriate groups to the correct users. 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.

Groups

Build Administrators
Contributors
Project Administrators
Project Valid Users
Stakeholders

Answer Area

User1:	<input type="text"/>
User2:	<input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

User1: Project Administrators

You must have the permission Create Repository to publish code as wiki. By default, this permission is set for members of the Project Administrators group.

User2: Contributors

Anyone who is a member of the Contributors security group can add or edit wiki pages. Anyone with access to the team project, including stakeholders, can view the wiki.

NEW QUESTION 82

- (Topic 4)

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

Your company has a project 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 Continuous deployment trigger settings of the release pipeline, you enable the Pull request trigger setting.

Does the meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

In Visual Designer you enable continuous integration (CI) by:

? Select the Triggers tab.

? Enable Continuous integration.

References:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/get-started-designer>

NEW QUESTION 84

HOTSPOT - (Topic 4)

You have an Azure web app named webapp1 that uses the .NET Core runtime slack. You have an Azure Application insights resource named AppInsights1 that collects telemetry data generated by webapp1

You plan to deploy webapp1 by using an Azure DevOps pipeline.

You need to modify the sampling rate of the telemetry data processed by AppInsights1 without having to redeploy webapp1 after each modification.

What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

From the code repository of webapp1: {

```

: Modify ApplicationInsights.config.
Disable adaptive sampling.
: Enable fixed-rate sampling.
Modify ApplicationInsights.config.
    
```

From Appinsights1:

```

Modify the Usage and estimated costs settings.
Configure Continuous export.
Configure the Smart Detection settings.
Modify the Usage and estimated costs settings.
    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

From the code repository of webapp1: {

```

: Modify ApplicationInsights.config.
Disable adaptive sampling.
: Enable fixed-rate sampling.
Modify ApplicationInsights.config.
    
```

From Appinsights1:

```

Modify the Usage and estimated costs settings.
Configure Continuous export.
Configure the Smart Detection settings.
Modify the Usage and estimated costs settings.
    
```

NEW QUESTION 87

- (Topic 4)

You are integrating Azure Pipelines and Microsoft Teams. You install the Azure Pipelines app in Microsoft Teams. You have an Azure DevOps organization named Contoso that contains a project name Project1. You subscribe to Project1 in Microsoft Teams. You need to ensure that you only receive events about failed builds in Microsoft Teams. What should you do first?

- A. From Microsoft Teams, run @azure pipelines subscribe https://dev.azure.com/Contoso/Project1.
- B. From Azure Pipelines, add a Publish Build Artifacts task to Project1.
- C. From Microsoft Teams, run @azure pipelines subscriptions.
- D. From Azure Pipelines, enable continuous integration for Project1.

Answer: A

Explanation:

To start monitoring all pipelines in a project, use the following command inside a channel:

@azure pipelines subscribe [project url]

The project URL can be to any page within your project (except URLs to pipelines). For example:

@azure pipelines subscribe https://dev.azure.com/myorg/myproject/ Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/integrations/microsoft-teams>

NEW QUESTION 92

- (Topic 4)

You create a Microsoft ASP.NET Core application.

You plan to use Azure Key Vault to provide secrets to the application as configuration data. You need to create a Key Vault access policy to assign secret permissions to the application. The solution must use the principle of least privilege. Which secret permissions should you use?

- A. List only
- B. Get only
- C. Get and List

Answer: B

Explanation:

Application data plane permissions:

? Keys: sign

? Secrets: get

Reference:

<https://docs.microsoft.com/en-us/azure/key-vault/key-vault-secure-your-key-vault>

NEW QUESTION 96

- (Topic 4)

You have a project in Azure DevOps named Project1. Project1 contains a published wiki.

You need to change the order of pages in the navigation pane of the published wiki in the Azure DevOps portal.

What should you do?

- A. At the root of the wiki, create a file named order that defines the page hierarchy.
- B. At the root of the wiki, create a file named wiki.md that defines the page hierarchy.
- C. Rename the pages in the navigation pane.
- D. Drag and drop the pages in the navigation pane.

Answer: D

Explanation:

Reorder a wiki page

You can reorder pages within the wiki tree view to have pages appear in the order and hierarchy you want. You can drag-and-drop a page title in the tree view to do the following operations:

Change the parent-child relationship of a page Change the order of the page within the hierarchy Reference:

<https://docs.microsoft.com/en-us/azure/devops/project/wiki/add-edit-wiki>

NEW QUESTION 100

- (Topic 4)

You need to execute inline testing of an Azure DevOps pipeline that uses a Docker deployment model. The solution must prevent the results from being published to the pipeline.

What should you use for the inline testing?

- A. a single stage Dockerfile
- B. an Azure Kubernetes Service (AKS) pod
- C. a multi-stage Dockerfile
- D. a Docker Compose file

Answer: D

Explanation:

"Build and test with a multi-stage Dockerfile: build and tests execute inside the container using a multi-stage Docker file, as such test results are not published back to the pipeline." <https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/test/publish-test-results?view=azure-devops&tabs=trx%2Cyaml>

NEW QUESTION 101

- (Topic 4)

You manage an Azure web app that supports an e-commerce website.

You need to increase the logging level when the web app exceeds normal usage patterns. The solution must minimize administrative overhead.

Which two resources should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. an Azure Monitor alert that has a dynamic threshold
- B. an Azure Automation runbook
- C. an Azure Monitor alert that uses an action group that has an email action
- D. the Azure Monitor autoscale settings
- E. an Azure Monitor alert that has a static threshold

Answer: BC

NEW QUESTION 102

SIMULATION - (Topic 4)

You manage a website that uses an Azure SQL Database named db1 in a resource group named RG1lod11566895.

You need to modify the SQL database to protect against SQL injection. To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

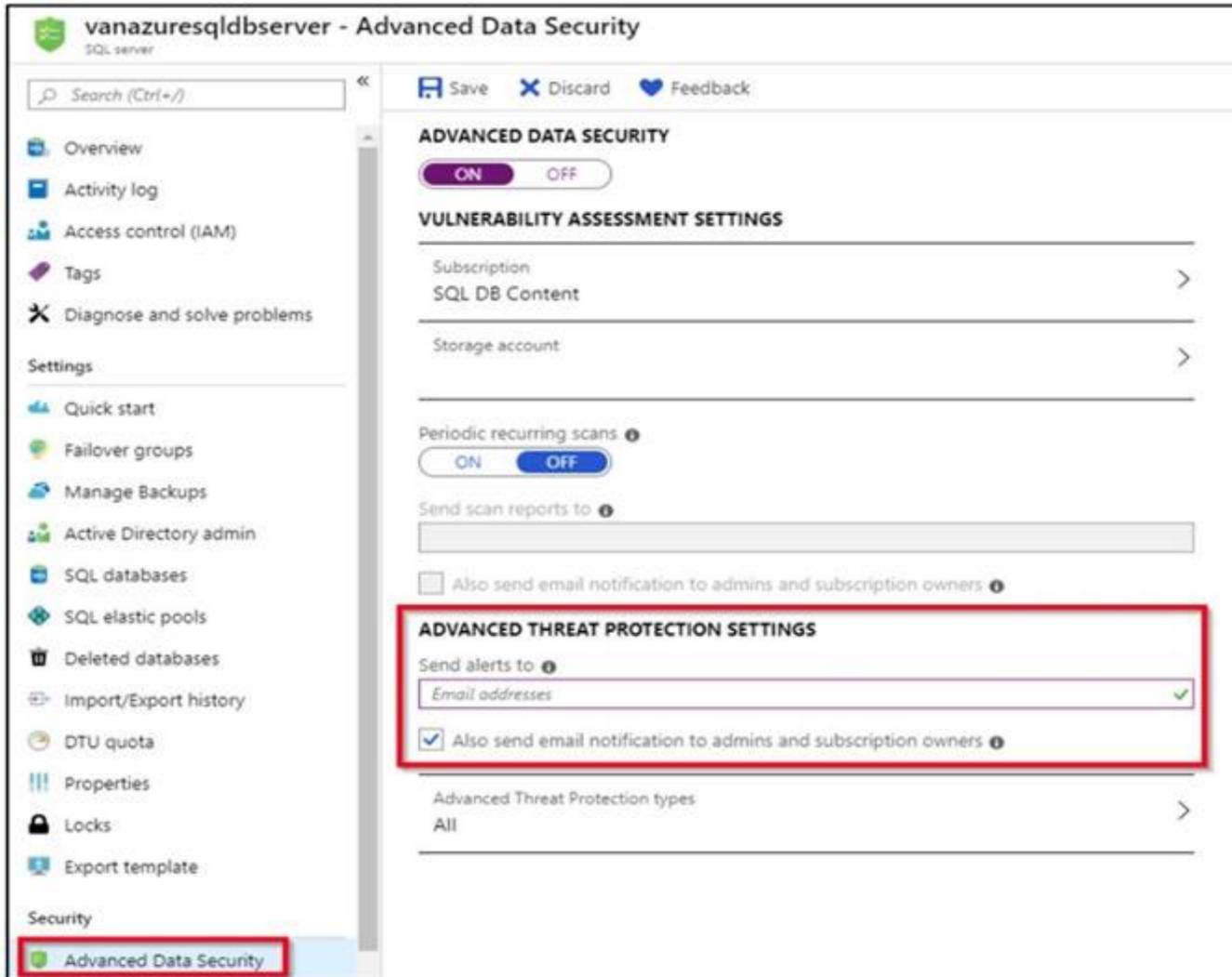
Explanation:

Set up Advanced Threat Protection in the Azure portal

* 1. Sign into the Azure portal.

* 2. Navigate to the configuration page of the server you want to protect. In the security settings, select Advanced Data Security.

* 3. On the Advanced Data Security configuration page:



* 4. Enable Advanced Data Security on the server.

Note: Advanced Threat Protection for Azure SQL Database detects anomalous activities indicating unusual and potentially harmful attempts to access or exploit databases. Advanced Threat Protection can identify Potential SQL injection, Access from unusual location or data center, Access from unfamiliar principal or potentially harmful application, and Brute force SQL credentials

NEW QUESTION 105

- (Topic 4)

You manage source code control and versioning by using GitHub.

You need to ensure that a PowerShell script is executed automatically before rebase operations are performed.

What should you use?

- A. a package
- B. GitHub Copilot
- C. a webbook
- D. a gist

Answer: C

NEW QUESTION 106

- (Topic 4)

You use Azure SQL Database Intelligent Insights and Azure Application Insights for monitoring.

You need to write ad-hoc queries against the monitoring data. Which query language should you use?

- A. Kusto Query Language (KQL)
- B. PL/pgSQL
- C. PL/SQL
- D. Transact-SQL

Answer: A

Explanation:

Azure Monitor Logs is based on Azure Data Explorer, and log queries are written using the same Kusto query language (KQL). This is a rich language designed to be easy to read and author, and you

should be able to start using it with minimal guidance. Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/log-query-overview>

NEW QUESTION 110

- (Topic 4)

Your company hosts a web application in Azure. The company uses Azure Pipelines for the build and release management of the application.

Stakeholders report that the past few releases have negatively affected system performance.

You configure alerts in Azure Monitor.

You need to ensure that new releases are only deployed to production if the releases meet defined performance baseline criteria in the staging environment first

What should you use to prevent the deployment of releases that fail to meet the performance baseline?

- A. a trigger
- B. an Azure function
- C. a gate

D. an Azure Scheduler job

Answer: C

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-monitor/continuous-monitoring>
<https://docs.microsoft.com/en-us/azure/devops/pipelines/release/approvals/gates?view=azure-devops>

NEW QUESTION 113

- (Topic 4)

Your company has a project in Azure DevOps.
 You need to ensure that when there are multiple builds pending deployment only the most recent build is deployed.
 What should you use?

- A. deployment queue settings
- B. deployment conditions
- C. release gates
- D. pull request triggers

Answer: A

Explanation:

References: <https://docs.microsoft.com/en-us/azure/devops/pipelines/process/stages?tabs=classic&view=azure-devops#queuing-policies>

NEW QUESTION 115

- (Topic 4)

Your company uses Service Now for incident management. You develop an application that runs on Azure.
 The company needs to generate a ticket in Service Now when the application fails to authenticate.
 Which Azure Log Analytics solution should you use?

- A. Automation & Control
- B. IT Service Management Connector (ITSM)
- C. Application ImiQ.hu Connector
- D. insight & Analytics

Answer: B

Explanation:

The IT Service Management Connector (ITSMC) allows you to connect Azure and a supported IT Service Management (ITSM) product/service.
 ITSMC supports connections with the following ITSM tools:

- ? ServiceNow
- ? System Center Service Manager
- ? Provanca
- ? Cherwell

With ITSMC, you can

- ? Create work items in ITSM tool, based on your Azure alerts (metric alerts, Activity Log alerts and Log Analytics alerts).
- ? Optionally, you can sync your incident and change request data from your ITSM tool to an Azure Log Analytics workspace.

References: <https://docs.microsoft.com/en-us/azure/azure-monitor/platform/itsmc-overview>

NEW QUESTION 117

DRAG DROP - (Topic 4)

You have an Azure Pipeline.

You need to store configuration values as variables.

At which four scopes can the variables be defined, and what is the precedence of the variables from the highest precedence to lowest precedence? To answer, move the appropriate scope from the list of scopes to the answer area and arrange them in the correct order.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 119

- (Topic 4)

You have a branch policy in a project in Azure DevOps. The policy requires that code always builds successfully.

You need to ensure that a specific user can always merge change to the master branch, even if the code fails to compile. The solution must use the principle of least privilege.

What should you do?

- A. From the Security setting of the repository, modify the access control for the user.
- B. From the Security settings of the branch, modify the access control for the user.
- C. Add the user to the Build Administrators group,
- D. Add the user to the Project Administrators group

Answer: B

Explanation:

In some cases, you need to bypass policy requirements so you can push changes to the branch directly or complete a pull request even if branch policies are not satisfied. For these situations, grant the desired permission from the previous list to a user or group. You can scope this permission to an entire project, a repo, or a single branch. Manage this permission along with other Git permissions.

References: <https://docs.microsoft.com/en-us/azure/devops/repos/git/branch-policies>

NEW QUESTION 123

DRAG DROP - (Topic 4)

You have an Azure Kubernetes Service (AKS) cluster.

You need to deploy an application to the cluster by using Azure DevOps.

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 in the correct order.

Actions	Answer Area
Create a service account in the cluster.	<div style="border: 1px solid red; height: 25px; width: 100%;"></div> <div style="border: 1px solid red; height: 25px; width: 100%;"></div> <div style="border: 1px solid red; height: 25px; width: 100%;"></div>
Create a service principal in Azure Active Directory (Azure AD).	
Add an Azure Function App for Container task to the deployment pipeline.	
Add a Helm package and deploy a task to the deployment pipeline.	
Add a Docker Compose task to the deployment pipeline.	
Configure RBAC roles in the cluster.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

You can set up a CI/CD pipeline to deploy your apps on a Kubernetes cluster with Azure DevOps by leveraging a Linux agent, Docker, and Helm.

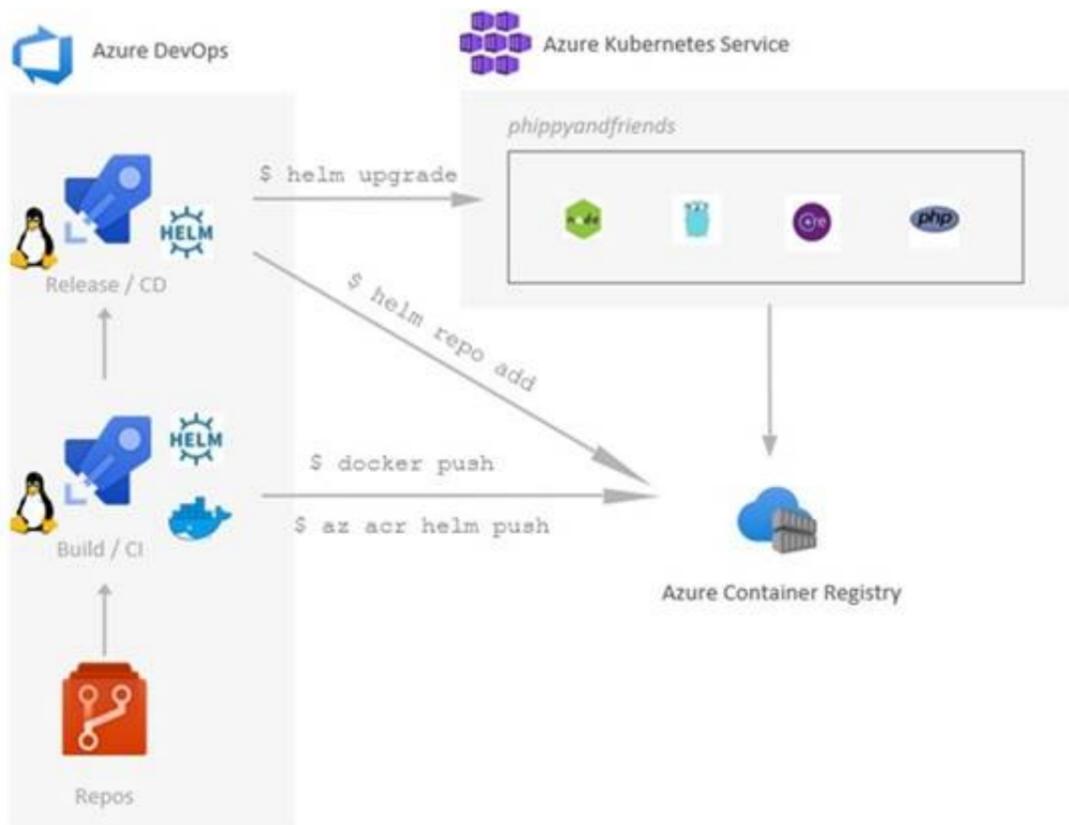
Step 1: Create a service principle in Azure Active Directory (Azure AD)

We need to assign 3 specific service principals with specific Azure Roles that need to interact with our ACR and our AKS.

Create a specific Service Principal for our Azure DevOps pipelines to be able to push and pull images and charts of our ACR.

Create a specific Service Principal for our Azure DevOps pipelines to be able to deploy our application in our AKS.

Step 2: Add a Helm package and deploy a task to the deployment pipeline This is the DevOps workflow with containers:



Step 3: Add a Docker Compose task to the deployment pipeline.

Dockerfile file is a script leveraged by Docker, composed of various commands (instructions) and arguments listed successively to automatically perform actions on a base image in order to create a new Docker image by packaging the app.

NEW QUESTION 127

SIMULATION - (Topic 4)

Your company plans to implement a new compliance strategy that will require all Azure web apps to be backed up every five hours. You need to back up an Azure web app named az400-11566895-main every five hours to an Azure Storage account in your resource group. To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

With the storage account ready, you can configure backs up in the web app or App Service.

? Open the App Service az400-11566895-main, which you want to protect, in the Azure Portal and browse to Settings > Backups. Click Configure and a Backup Configuration blade should appear.

? Select the storage account.

? Click + to create a private container. You could name this container after the web app or App Service.

? Select the container.

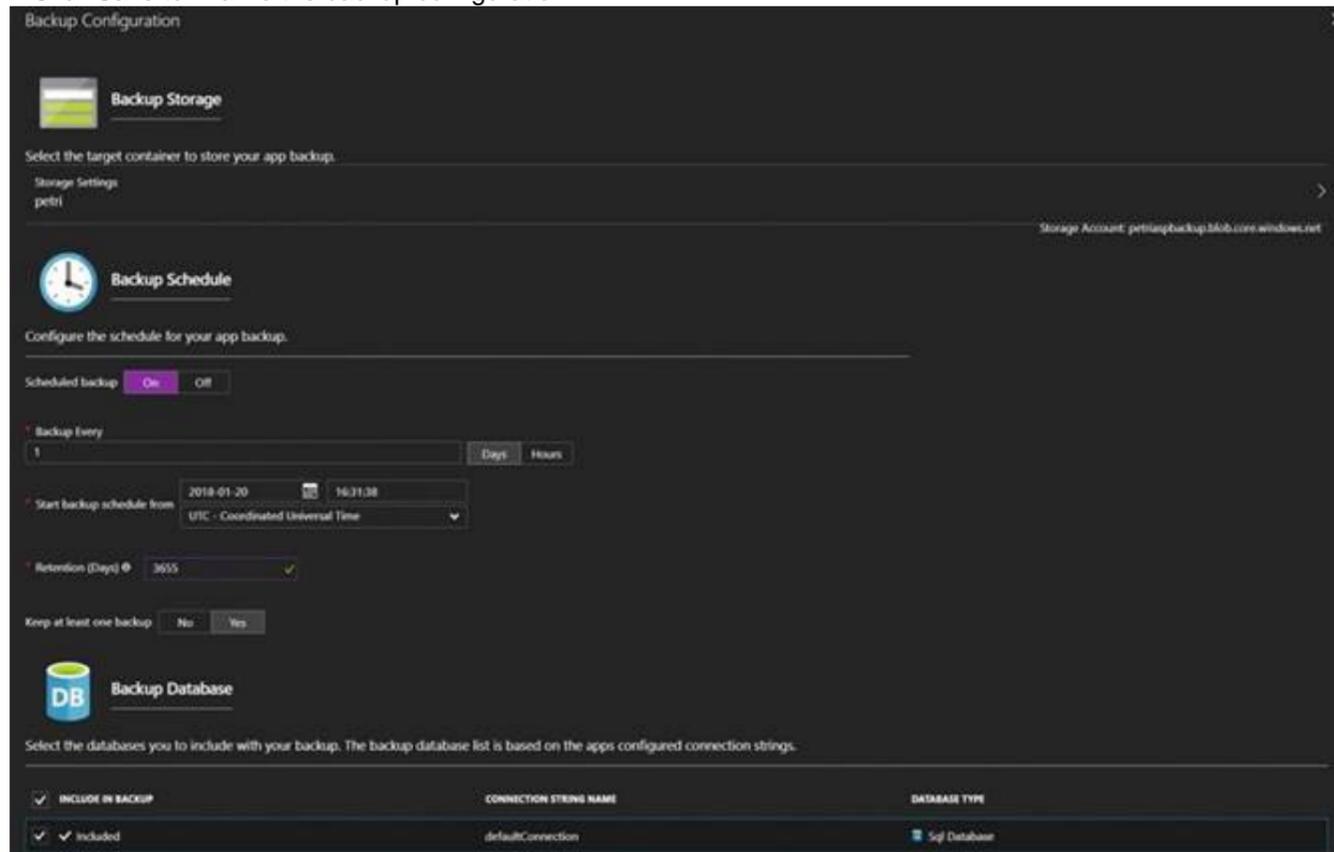
? If you want to schedule backups, then set Scheduled Backup to On and configure a schedule: every five hours

? Select your retention. Note that 0 means never delete backups.

? Decide if at least one backup should always be retained.

? Choose if any connected databases should be included in the web app backup.

? Click Save to finalize the backup configuration.



NEW QUESTION 129

DRAG DROP - (Topic 4)

You have an Azure subscription that uses Azure Monitor and contains a Log Analytics workspace.

You have an encryption key.

You need to configure Azure Monitor to use the key to encrypt log data

Actions	Answer Area
Grant the system-assigned managed identity Certificate permissions for the key vault.	1
Create an Azure key vault and store the key.	2
Configure the key vault properties for the cluster.	3
Grant the system-assigned managed identity Key permissions for the key vault.	4
Create an Azure Monitor Logs dedicated cluster that has a system-assigned managed identity.	5
Link the Log Analytics workspace to the cluster.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 131

SIMULATION - (Topic 4)

You need to create an instance of Azure Application Insights named az400-9940427-main and configure the instance to receive telemetry data from an Azure web app named az400- 9940427-main.

To complete this task, sign in to the Microsoft Azure portal.

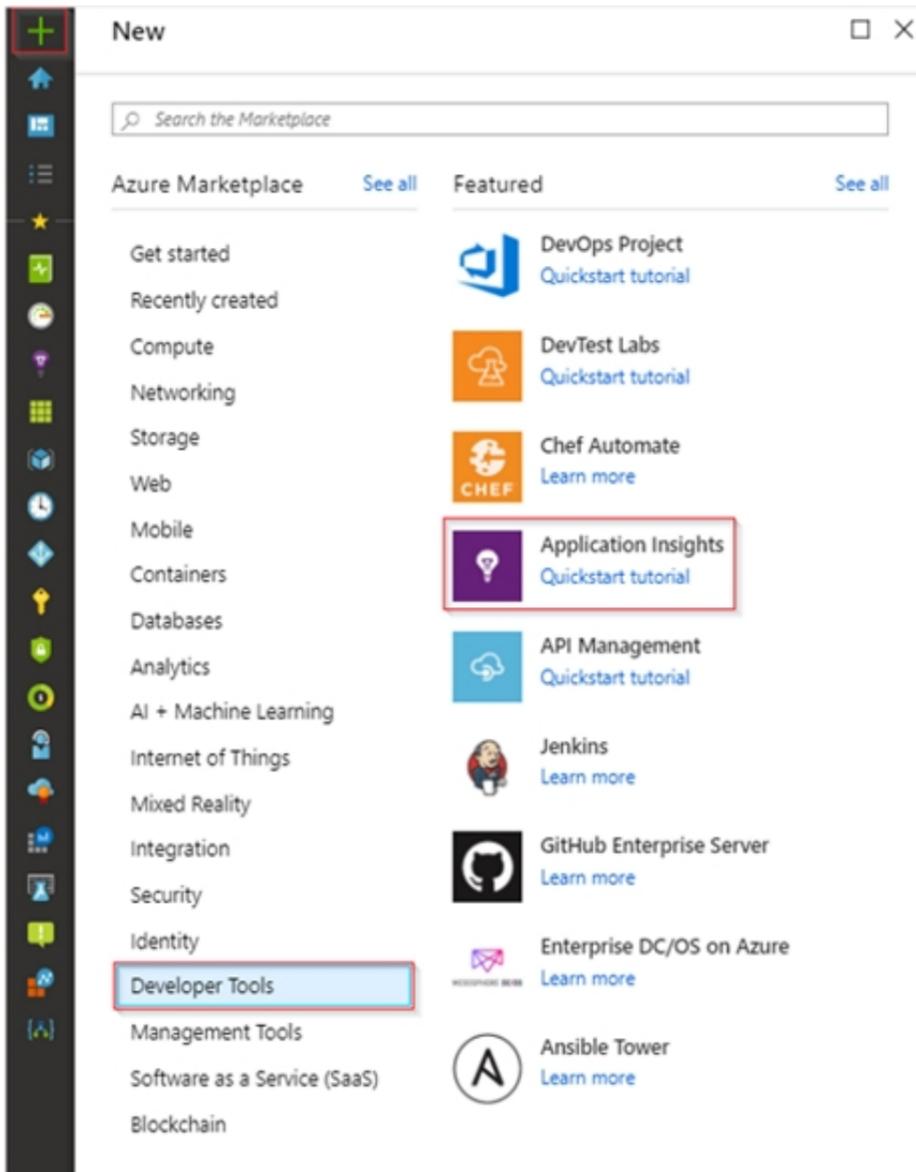
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

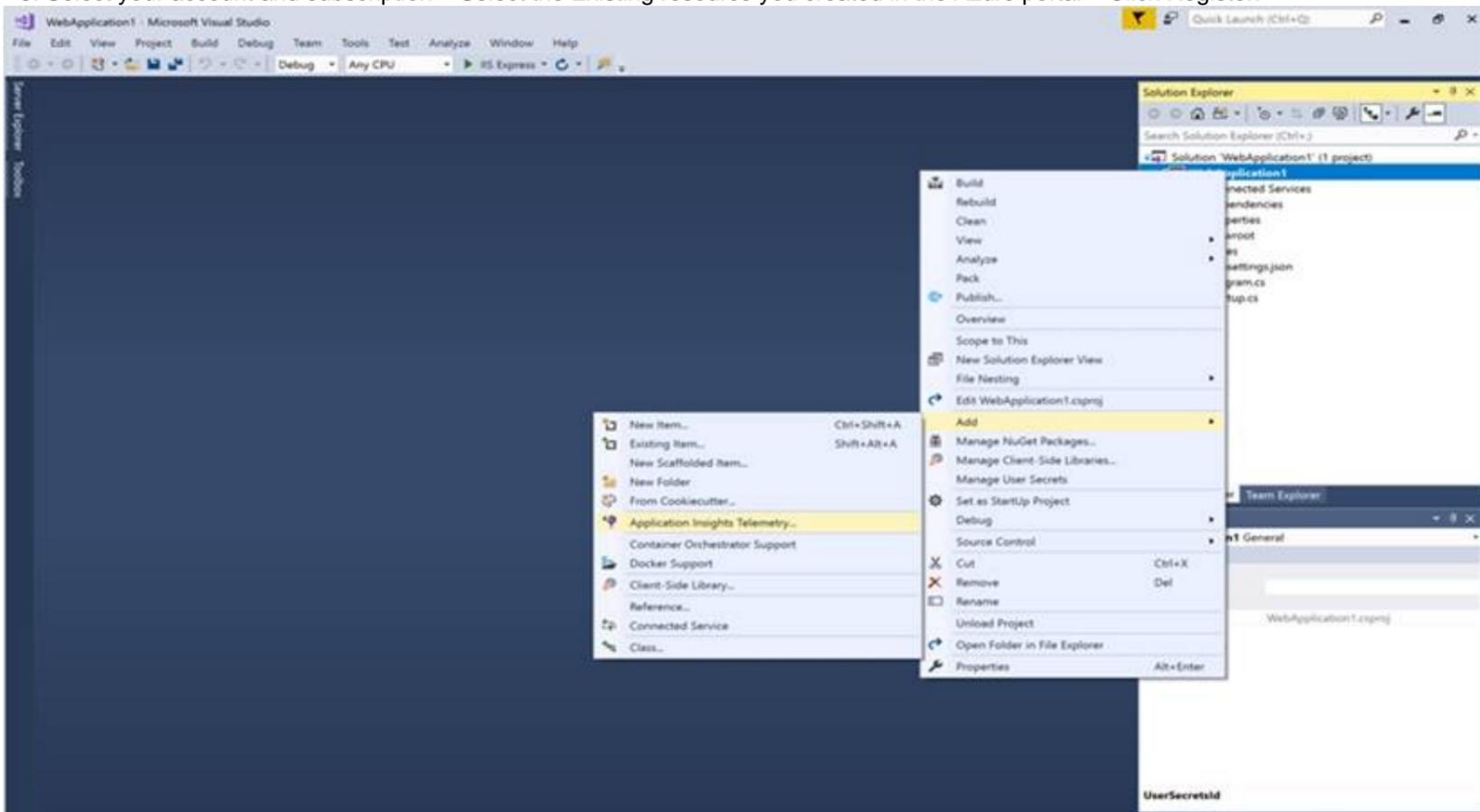
Step 1: Create an instance of Azure Application Insights

- * 1. Open Microsoft Azure Portal
- * 2. Log into your Azure account, Select Create a resource > Developer tools > Application Insights.
- * 3. Enter the following settings, and then select Review + create. Name: az400-9940427-main



Step 2: Configure App Insights SDK

- * 1. Open your ASP.NET Core Web App project in Visual Studio > Right-click on the AppName in the Solution Explorer > Select Add > Application Insights Telemetry.
- * 2. Click the Get Started button
- * 3. Select your account and subscription > Select the Existing resource you created in the Azure portal > Click Register.



NEW QUESTION 132

DRAG DROP - (Topic 4)

You are implementing a new project in Azure DevOps.

You need to assess the performance of the protect. The solution must identify the following metrics:

- How long it takes to complete a work item
- * The percentage of defects found in production

Which DevOps KPI should you review for each metric? To answer drag the appropriate KPIs to the correct metric. Each KPI may be used once, more than once, or not at all. You may need to drag the spirt bar between panes or scroll to view content.

NOTE Each correct selection is worth one point.

KPIs

- Application failure rates
- Bug report rates
- Burndown trend
- Cycle time
- Defect escape rate
- Deployment speed
- Lead time
- Mean time to recover

Answer Area

How long it takes to complete a work item:

The percentage of defects found in production:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

KPIs

- Application failure rates
- Bug report rates
- Burndown trend
- Cycle time
- Defect escape rate
- Deployment speed
- Lead time
- Mean time to recover

Answer Area

How long it takes to complete a work item:

The percentage of defects found in production:

NEW QUESTION 134

DRAG DROP - (Topic 4)

You have an Azure Repos repository named repo1.

You need to clone repo1. The solution must clone only a directory named src/web.

How should you complete the script? To answer, drag the appropriate values to the correct targets, Each value may be used once, more than once, or not at all.

You may need to drag the spirt bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point

Values

- https://dev.azure.com/organization/project/_git/repo1
- git@sh.dev.azure.com:v3/organization/project/repo1
- repo1/src
- src/web
- repo1/src/web
- web

Answer Area

```

...
cd repos
scalar clone [Value]
cd [Value]
git sparse-checkout set [Value]
...
    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values

- https://dev.azure.com/organization/project/_git/repo1
- git@sh.dev.azure.com:v3/organization/project/repo1
- repo1/src
- src/web
- repo1/src/web
- web

Answer Area

```

...
cd repos
scalar clone git@sh.dev.azure.com:v3/organization/project/repo1
cd src/web
git sparse-checkout set repo1/src
...
    
```

NEW QUESTION 138

FILL IN THE BLANK - (Topic 4)

You have an Azure subscription that contains Azure DevOps build pipelines. You to implement pipeline caching by using the cache task HOW should you complete the YAML definition? TO answer, select the appropriate options in the answer area.

inputs:

"yarn" | "\$(Agent.OS)" | yarn.lock'

\$(YARN_CACHE_FOLDER)

displayName: Cache Yarn packages

- script: yarn --frozen-lockfile

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

inputs:

key: "yarn" | "\$(Agent.OS)" | yarn.lock'

path: \$(YARN_CACHE_FOLDER)

displayName: Cache Yarn packages

- script: yarn --frozen-lockfile

NEW QUESTION 140

SIMULATION - (Topic 4)

You need to configure an Azure web app named az400-9940427-main to contain an environmental variable named "MAX_ITEMS". The environmental variable must have a value of 50.

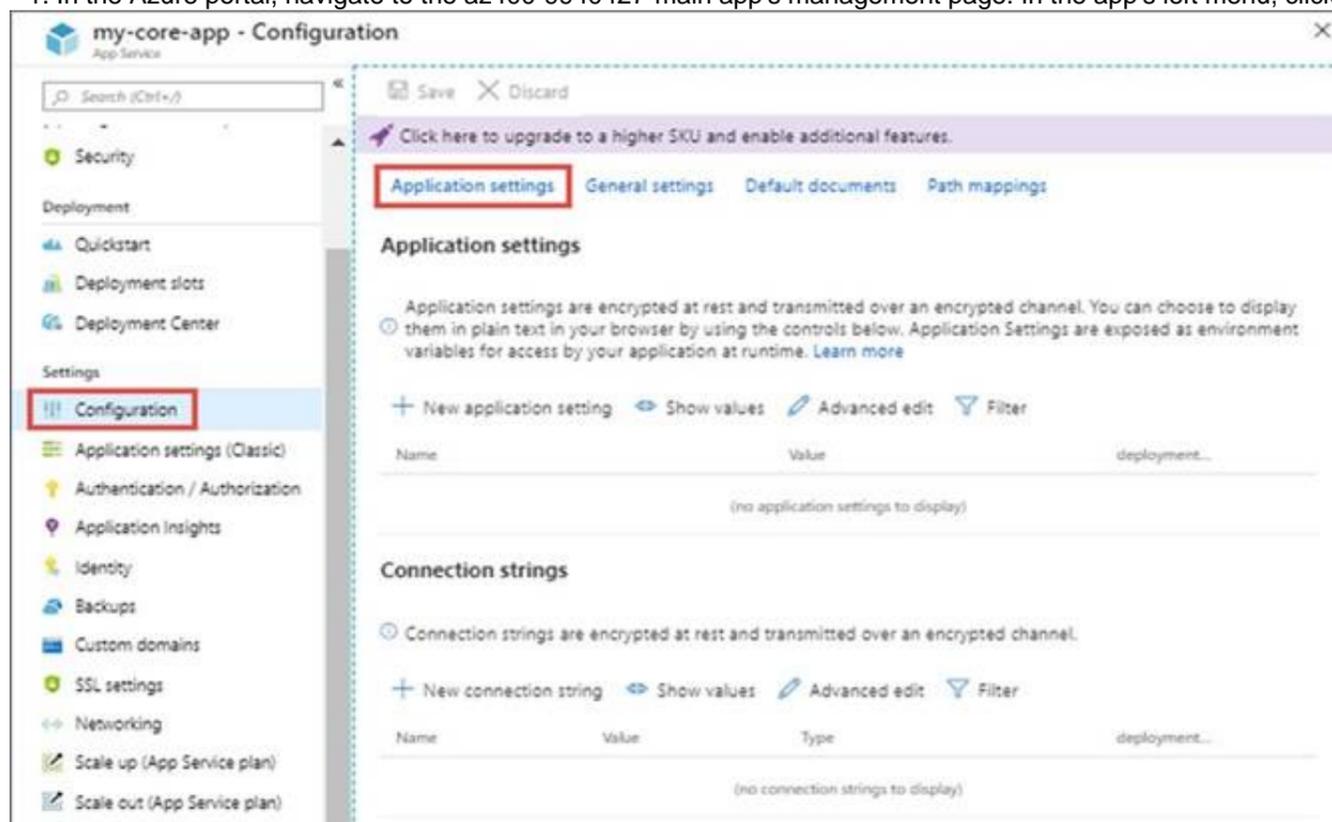
To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* 1. In the Azure portal, navigate to the az400-9940427-main app's management page. In the app's left menu, click Configuration > Application settings.



* 2. Click New Application settings

* 3. Enter the following:

? Name: MAX_ITEMS

? Value: 50

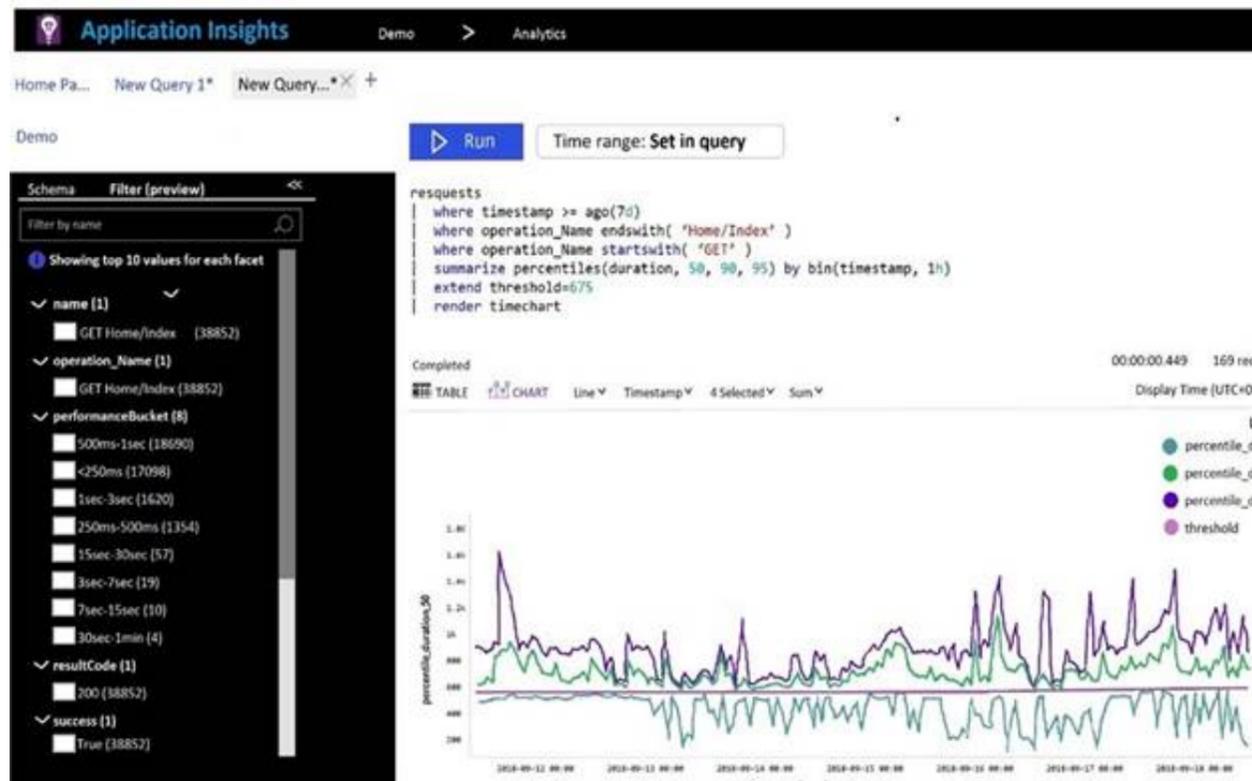
References:

<https://docs.microsoft.com/en-us/azure/app-service/configure-common>

NEW QUESTION 142

HOTSPOT - (Topic 4)

You plan to create alerts that will be triggered based on the page load performance of a home page. You have the Application Insights log query shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point.

To create an alert based on the page load experience of most users, the alerting level must be based on [answer choice].

	▼
percentile_duration_50	
percentile_duration_90	
percentile_duration_95	
threshold	

To only create an alert when authentication error occurs on the server, the query must be filtered on [answer choice].

	▼
item Type	
resultCode	
source	
success	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Timeline
 Description automatically generated with low confidence
 Box 1: percentile_duration_95
 Box 2: success
 For example – requests | project name, url, success
 | where success == "False"
 This will return all the failed requests in my App Insights within the specified time range.

NEW QUESTION 143

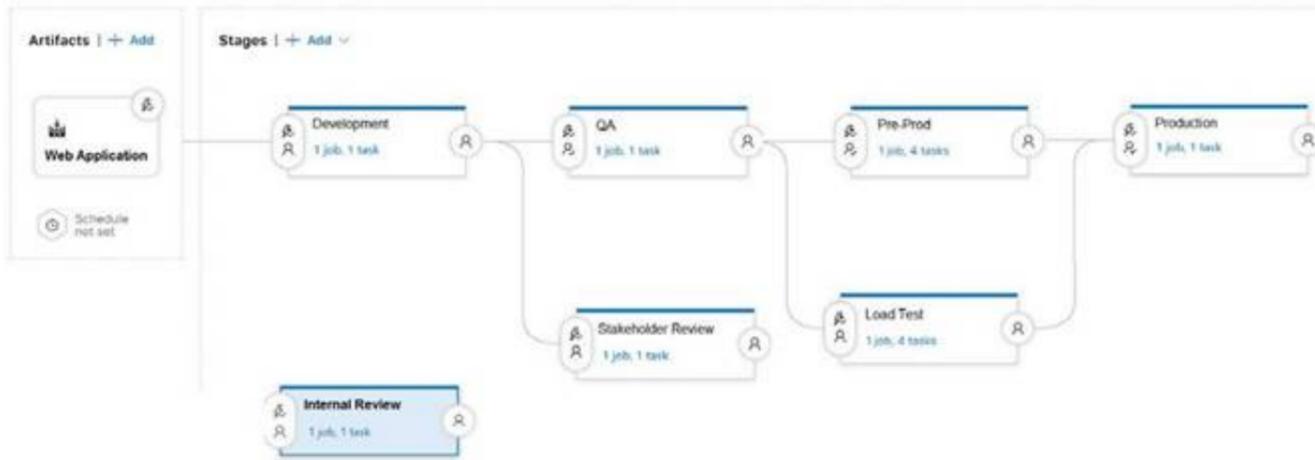
- (Topic 4)
 You have an Azure subscription. The subscription contains virtual machines that run either Windows Server or Linux. You plan to use Prometheus to monitor performance metrics. You need to integrate Prometheus and Azure Monitor. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Install a Prometheus server on a Windows virtual machine in Azure.
- B. On each virtual machine, expose the metrics endpoint.
- C. On each virtual machine, enable the Azure Diagnostics extension.
- D. On each virtual machine, enable the containerized agent for Azure Monitor.
- E. Expose a virtual network service endpoint for Azure Storage.
- F. Install a Prometheus server on a Linux virtual machine in Azure.

Answer: AB

NEW QUESTION 145

HOTSPOT - (Topic 4)
 You are configuring a release pipeline in Azure DevOps as shown in the exhibit.



Use the drop-down menus to select the answer choice that answers each question based on the information presented in the graphic.
 NOTE: Each correct selection is worth one point.

How many stages have triggers set?

0
1
2
3
4
5
6
7

Which component should you modify to enable continuous delivery?

The Development stage
The Internal Review stage
The Production stage
The Web Application artifact

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 5
 There are five stages: Development, QA, Pre-production, Load Test and Production. They all have triggers.
 Box 2: The Internal Review stage
 References: <https://docs.microsoft.com/en-us/azure/devops/pipelines/release/triggers>

NEW QUESTION 150

- (Topic 4)
 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 use Azure Pipelines to build and test a React.js application. You have a pipeline that has a single job.
 You discover that installing JavaScript packages from 9pm takes approximately five minutes each time you run the pipeline.
 You need to recommend a solution to reduce the pipeline execution time. Solution: You recommend using pipeline artifacts.
 Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Pipeline artifacts are a way to persist build outputs, test results, and other files generated during a pipeline run. They allow you to share data between stages, jobs, and pipelines, and to persist data for longer than the lifetime of a pipeline run. While artifacts can be useful for sharing data between pipeline runs and reducing the time required to download dependencies, they are not a solution for reducing the time required to install JavaScript packages from 9pm during a pipeline run. The solution of reducing the pipeline execution time could be achieved by using package caching, which allows you to store and reuse 9pm packages from previous pipeline runs. There are several package caching options available for Azure Pipelines, including the 9pm task, the 9pm cache task, and the 9pm ci task. All of these options allow you to configure caching for your 9pm packages, which can significantly reduce the time required to install packages during subsequent pipeline runs. Another solution could be using a dedicated agent that has those packages already installed, this way the pipeline doesn't have to install them again. You can find more information on package caching by following this link <https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/package/npm-cache?view=azure-devops>

NEW QUESTION 154

- (Topic 4)
 Your company creates a web application.
 You need to recommend a solution that automatically sends to Microsoft Teams a daily summary of the exceptions that occur in 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. Azure Logic Apps
- B. Azure Pipelines
- C. Microsoft Visual Studio App Center
- D. Azure DevOps Project
- E. Azure Application Insights

Answer: AE

Explanation:

E: Exceptions in your live web app are reported by Application Insights.

Note: Periodical reports help keep a team informed on how their business critical services are doing. Developers, DevOps/SRE teams, and their managers can be productive with automated reports reliably delivering insights without requiring everyone to sign in the portal. Such reports can also help identify gradual increases in latencies, load or failure rates that may not trigger any alert rules.

A: You can programmatically query Application Insights data to generate custom reports on a schedule. The following options can help you get started quickly:

Automate reports with Microsoft Flow

Automate reports with Logic Apps Reference:

<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 155

- (Topic 4)

Your company uses cloud-hosted Jenkins for builds.

You need to ensure that Jenkins can retrieve source code from Azure Repos.

Which three actions should you perform? Each correct answer presents part of the solution NOTE: Each correct answer selection is worth one point

- A. Add the Team Foundation Server (TFS) plug-in to Jenkins.
- B. Create a personal access token in your Azure DevOps account.
- C. Create a webhook in Jenkins.
- D. Add a domain to your Jenkins account.
- E. Create a service hook in Azure DevOps.

Answer: ABE

Explanation:

References:

<https://blogs.msdn.microsoft.com/devops/2017/04/25/vsts-visual-studio-team-services-integration-with-jenkins/>

<http://www.aisoftwarellc.com/blog/post/how-to-setup-automated-builds-using-jenkins-and-visual-studio-team-foundation-server/2044>

NEW QUESTION 159

DRAG DROP - (Topic 4)

You are configuring Azure DevOps build pipelines. You plan to use hosted build agents.

Which build agent pool should you use to compile each application type? To answer, drag the appropriate built agent pools to the correct application types. Each build agent pool 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.

Build Agent Pools	Answer Area
Hosted Windows Container	
Hosted Ubuntu 1604	
Hosted macOS	An application that runs on iOS: <input type="text"/>
Hosted	An Internet Information Services (IIS) web application that runs in Docker: <input type="text"/>
Default	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Hosted macOS

Hosted macOS pool (Azure Pipelines only): Enables you to build and release on macOS without having to configure a self-hosted macOS agent. This option affects where your data is stored.

Box 2: Hosted

Hosted pool (Azure Pipelines only): The Hosted pool is the built-in pool that is a collection of Microsoft-hosted agents.

NEW QUESTION 160

DRAG DROP - (Topic 4)

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 tools 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.

Security Tools

Answer Area

Penetration testing	Pull request:	
Static code analysis	Continuous integration:	
Threat modeling	Continuous delivery:	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/devops/migrate/security-validation-cicd-pipeline?view=azure-devops&viewFallbackFrom=vsts>
 So:
 PR: Static Code Analysis CI: Static Code Analysis CD: PenTest

NEW QUESTION 165

DRAG DROP - (Topic 4)

You need to find and isolate shared code. The shared code will be maintained in a series of packages.

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 in the correct order.

Actions	Answer Area
Group the related components.	
Assign ownership to each component group.	
Create a dependency graph for the application.	
Identify the most common language used.	
Rewrite the components in the most common language.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Create a dependency graph for the application
 By linking work items and other objects, you can track related work, dependencies, and changes made over time. All links are defined with a specific link type. For example, you can use Parent/Child links to link work items to support a hierarchical tree structure. Whereas, the Commit and Branch link types support links between work items and commits and branches, respectively.
 Step 2: Group the related components.
 Packages enable you to share code across your organization: you can compose a large product, develop multiple products based on a common shared framework, or create and share reusable components and libraries.
 Step 3: Assign ownership to each component graph
 References:
<https://docs.microsoft.com/en-us/azure/devops/boards/queries/link-work-items-support-traceability?view=azure-devops&tabs=new-web-form> <https://docs.microsoft.com/en-us/visualstudio/releasenotes/tfs2017-relnotes>

NEW QUESTION 168

- (Topic 4)

You use Azure SQL Database Intelligent Insights and Azure Application Insights for 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 169

DRAG DROP - (Topic 4)

Your company wants to use Azure Application Insights to understand how user behaviors affect an application. Which Application Insights tool should you use to analyze each behavior? To answer, drag the appropriate tools to the correct behaviors. Each 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.

Impact	Feature usage:	
User Flows	Number of people who used the actions and its features:	
Users	The effect that the performance of the application has on the usage of a page or a feature:	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: User Flows

The User Flows tool visualizes how users navigate between the pages and features of your site. It's great for answering questions like: How do users navigate away from a page on your site? What do users click on a page on your site? Where are the places that users churn most from your site?

Are there places where users repeat the same action over and over? Box 2: Users

Counting Users: The user behavior analytics tools don't currently support counting users or sessions based on properties other than anonymous user ID, authenticated user ID, or session ID.

Box 3: Impact

Impact analyzes how load times and other properties influence conversion rates for various parts of your app. To put it more precisely, it discovers how any dimension of a page view, custom event, or request affects the usage of a different page view or custom event.

NEW QUESTION 172

- (Topic 4)

You use GitHub for source control

You are evaluating whether to use proxying to add a private upstream MyGet package feed to your MyGet feed. What are two possible advantages of this approach? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

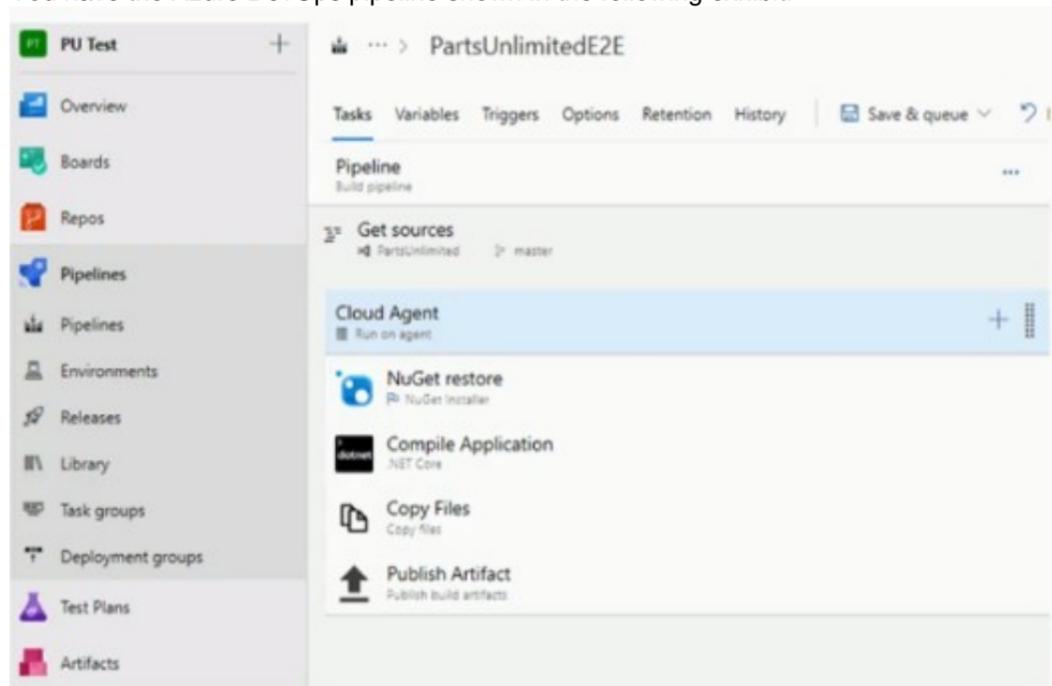
- A. minimizes latency when accessing the package
- B. provides automatic authentication
- C. minimizes the impact on your storage quota
- D. minimizes the impact of upstream source availability issues

Answer: BC

NEW QUESTION 175

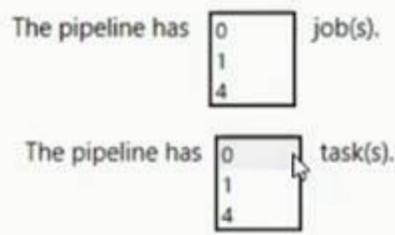
HOTSPOT - (Topic 4)

You have the Azure DevOps pipeline shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 1
 The Cloud agent job only.
 Box 2: 4
 The pipelines has the four tasks: NuGet restore, Compile Application, Copy Files, and Publish Artifact.

NEW QUESTION 177

HOTSPOT - (Topic 4)

You have an Azure Kubernetes Service (AKS) pod.
 You need to configure a probe to perform the following actions: Confirm that the pod is responding to service requests. Check the status of the pod four times a minute. Initiate a shutdown if the pod is unresponsive.
 How should you complete the YAML configuration file? To answer, select the appropriate options in the answer area.
 NOTE: Each correct selection is worth one point.

```
apiVersion: v1
kind: Pod
metadata:
  labels:
    test: readiness-and-liveness
  name: readiness-http
spec:
  containers:
  - name: container1
    image: k8s.gcr.io/readiness-and-liveness
    args:
    - /server
```

▼
livenessProbe:
readinessProbe:
ShutdownProbe:
startupProbe:

```
  httpGet:
    path: /checknow
    port: 8123
    httpHeaders:
    - name: Custom-Header
      value: CheckNow
```

▼
initialDelaySeconds: 15
periodSeconds: 15
timeoutSeconds: 15

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application Description automatically generated
 Box 1: readiness Probe:
 For containerized applications that serve traffic, you might want to verify that your container is ready to handle incoming requests. Azure Container Instances supports readiness probes to include configurations so that your container can't be accessed under certain conditions.

NEW QUESTION 180

- (Topic 4)

You are developing an application. The application source has multiple branches. You make several changes to a branch used for experimentation. You need to update the main branch to capture the changes made to the experimentation branch and override the history of the Git repository. Which Git option should you use?

- A. Rebase
- B. Fetch
- C. MergeE1457D5D1DDCBD40AB3BF70D5D
- D. Push

Answer: C

Explanation:

<https://docs.microsoft.com/en-us/azure/devops/repos/git/pull-requests>

NEW QUESTION 182

DRAG DROP - (Topic 4)

You use GitHub Enterprise Server as a source code repository. You create an Azure DevOps organization named Contoso.

In the Contoso organization, you create a project named Project 1.

You need to link GitHub commits, pull requests, and issues to the work items of Project 1. The solution must use OAuth-based authentication

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 in the correct order.

Actions	Answer Area
From Project Settings in Azure DevOps, create a service hook subscription.	
From Organization settings in Azure DevOps, add an OAuth configuration.	
From Developer settings in GitHub Enterprise Server, register a new OAuth app.	
From Project Settings in Azure DevOps, add a GitHub connection.	
From Developer settings in GitHub Enterprise Server, generate a private key.	
From Organization settings in Azure DevOps, connect to Azure Active Directory (Azure AD).	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: From Developer settings in GitHub Enterprise Server, register a new OAuth app. If you plan to use OAuth to connect Azure DevOps Services or Azure DevOps Server with your GitHub Enterprise Server, you first need to register the application as an OAuth App

Step 2: Organization settings in Azure DevOps, add an OAuth configuration Register your OAuth configuration in Azure DevOps Services.

Note:

? Sign into the web portal for Azure DevOps Services.

? Add the GitHub Enterprise Oauth configuration to your organization.

? Open Organization settings>Oauth configurations, and choose Add Oauth configuration.

? Fill in the form that appears, and then choose Create.

Step 3: From Project Settings in Azure DevOps, add a GitHub connection. Connect Azure DevOps Services to GitHub Enterprise Server

Choose the Azure DevOps logo to open Projects, and then choose the Azure Boards project you want to configure to connect to your GitHub Enterprise repositories.

Choose (1) Project Settings, choose (2) GitHub connections and then (3) Click here to connect to your GitHub Enterprise organization.

NEW QUESTION 183

- (Topic 4)

Your company creates a new Azure DevOps team. D18912E1457D5D1DDCBD40AB3BF70D5D

You plan to use Azure DevOps for sprint planning.

You need to visualize the flow of your work by using an agile methodology. Which Azure DevOps component should you use?

- A. Kanban boards
- B. sprint planning
- C. delivery plans
- D. portfolio backlogs

Answer: A

Explanation:

Customizing Kanban boards

To maximize a team's ability to consistently deliver high quality software, Kanban emphasize two main practices. The first, visualize the flow of work, requires you to map your team's workflow stages and configure your Kanban board to match. Your Kanban board turns your backlog into an interactive signboard, providing a visual flow of work.

Reference: <https://azuredevopslabs.com/labs/azuredevops/agile/>

NEW QUESTION 185

DRAG DROP - (Topic 4)

You have a web app named App1 that is hosted on multiple servers. App1 uses Application Insights in Azure Monitor.

You need to compare the dairy CPU usage from the last week for all servers.

How should you complete the query? To answer, drag the appropriate values to the correct targets. Each value 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.

Values

- bin(timestamp,id)
- bin(timestamp,1h)
- project timechart
- render chart
- render timechart

Answer Area

```

...
performanceCounters
| where counter == "% Processor Time"
| where timestamp >= ago(7d)
| summarize avg(value) by cloud_RoleInstance,
|
...

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 186

- (Topic 4)

Your company is building a new solution in Java.

The company currently uses a SonarQube server to analyze the code of .NET solutions. You need to analyze and monitor the code quality of the Java solution. Which task types should you add to the build pipeline?

- A. Chef
- B. Gradle
- C. Octopus
- D. Gulp

Answer: B

Explanation:

SonarQube is a set of static analyzers that can be used to identify areas of improvement in your code. It allows you to analyze the technical debt in your project and keep track of it in the future. With Maven and Gradle build tasks, you can run SonarQube analysis with minimal setup in a new or existing Azure DevOps Services build task.

References:

<https://docs.microsoft.com/en-us/azure/devops/java/sonarqube?view=azure-devops>

NEW QUESTION 190

DRAG DROP - (Topic 4)

You have web app named App1 that uses Application Insights in Azure Monitor to Store log data. App1 has users in multiple locations.

You need to query App1 requests from London and Paris that return error. The solution must meet the following requirements:

- ? Return the timestamp, url, result Code, and duration fields.
- ? Only requests made the last hour. How should you complete the query?

Values

- extend
- project
- select
- timestamp >= ago(1hr)
- timestamp -gt ago(1hr)

Answer Area

```

...
requests
| where
| where resultCode == "404" and (client_City == "London" or client_City == "Paris")
| timestamp, url, resultCode, duration
...

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values

- extend
- project
- select
- timestamp >= ago(1hr)
- timestamp -gt ago(1hr)

Answer Area

```

...
requests
| where timestamp -gt ago(1hr)
| where resultCode == "404" and (client_City == "London" or client_City == "Paris")
| select timestamp, url, resultCode, duration
...

```

NEW QUESTION 192

- (Topic 4)

You are building a Microsoft ASP.NET application that requires authentication.

You need to authenticate users by using Azure Active Directory (Azure AD). What should you do first?

- A. Create a membership database in an Azure SQL database.
- B. Assign an enterprise application to users and groups.
- C. Create an app registration in Azure AD.
- D. Configure the application to use a SAML endpoint.
- E. Create a new OAuth token from the application.

Answer: C

Explanation:

Register your application to use Azure Active Directory. Registering the application means that your developers can use Azure AD to authenticate users and request access to user resources such as email, calendar, and documents.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/developer-guidance-for-integrating-applications>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/quickstart-v2-aspnet-webapp>

NEW QUESTION 197

- (Topic 4)

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 manage a project in Azure DevOps.

You need to prevent the configuration of the project from changing over time. Solution: Implement Continuous Assurance for the project.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

The basic idea behind Continuous Assurance (CA) is to setup the ability to check for "drift" from what is considered a secure snapshot of a system. Support for Continuous Assurance

lets us treat security truly as a 'state' as opposed to a 'point in time' achievement. This is particularly important in today's context when 'continuous change' has become a norm.

There can be two types of drift:

? Drift involving 'baseline' configuration: This involves settings that have a fixed number of possible states (often pre-defined/statically determined ones). For instance, a SQL DB can have TDE encryption turned ON or OFF...or a Storage Account may have auditing turned ON however the log retention period may be less than 365 days.

? Drift involving 'stateful' configuration: There are settings which cannot be constrained within a finite set of well-known states. For instance, the IP addresses configured to have access to a SQL DB can be any (arbitrary) set of IP addresses. In such scenarios, usually human judgment is initially required to determine whether a particular configuration should be considered 'secure' or not. However, once that is done, it is important to ensure that there is no "stateful drift" from the attested configuration. (E.g., if, in a troubleshooting session, someone adds the IP address of a developer machine to the list, the Continuous Assurance feature should be able to identify the drift and generate notifications/alerts or even trigger 'auto-remediation' depending on the severity of the change).

Reference:

<https://azsk.azurewebsites.net/04-Continous-Assurance/Readme.html>

NEW QUESTION 201

SIMULATION - (Topic 4)

You need to ensure that an Azure web app named az400-9940427-main supports rolling upgrades. The solution must ensure that only 10 percent of users who connect to az400-9940427-main use update versions of the app.

The solution must minimize administrative effort.

To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

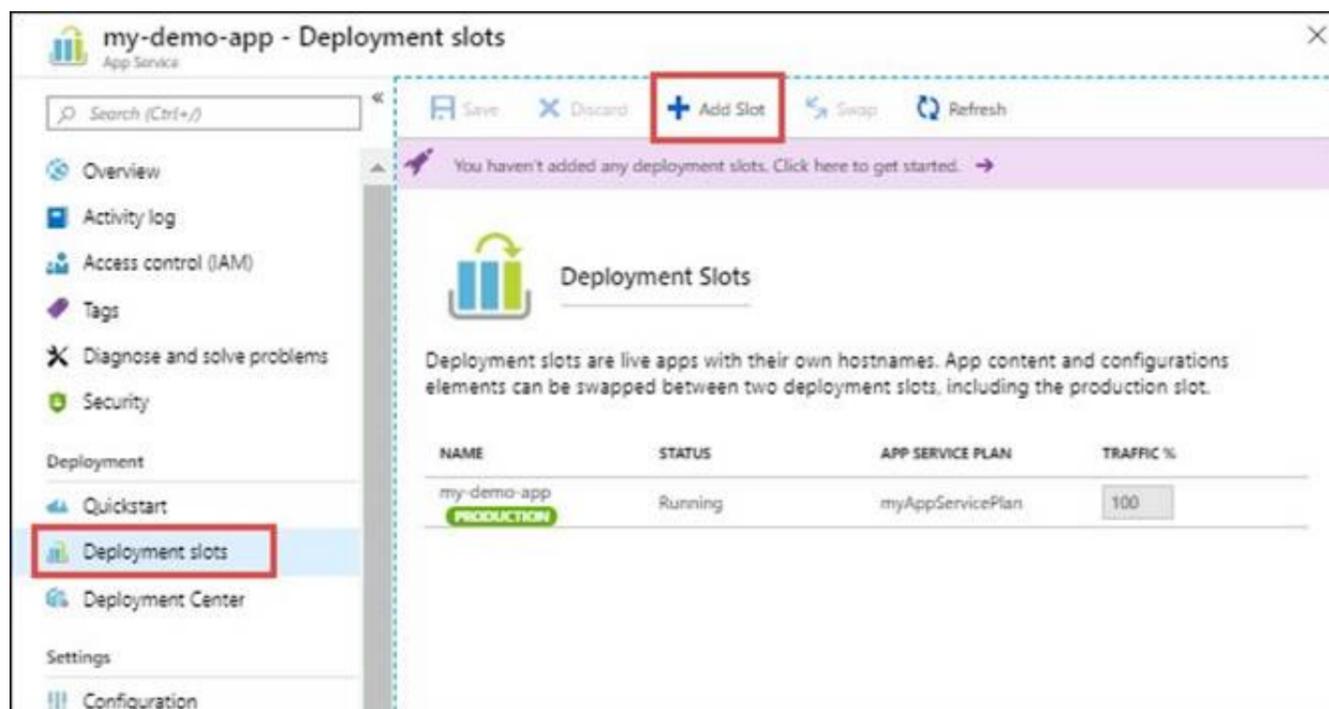
Answer: A

Explanation:

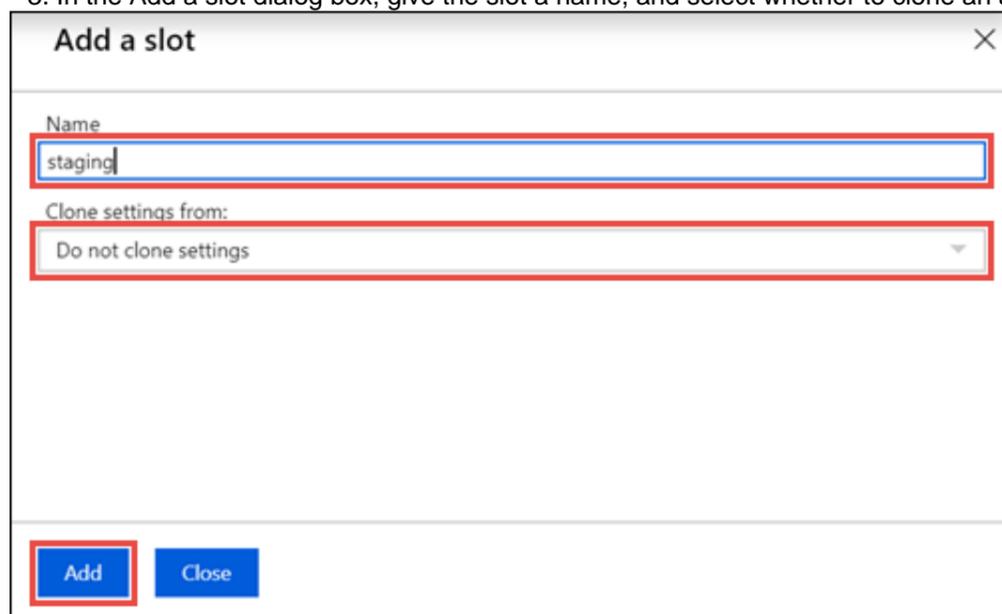
Set up staging environments in Azure App Service

* 1. Open Microsoft Azure Portal

* 2. Log into your Azure account, select your app's resource page, in the left pane, select Deployment slots > Add Slot.

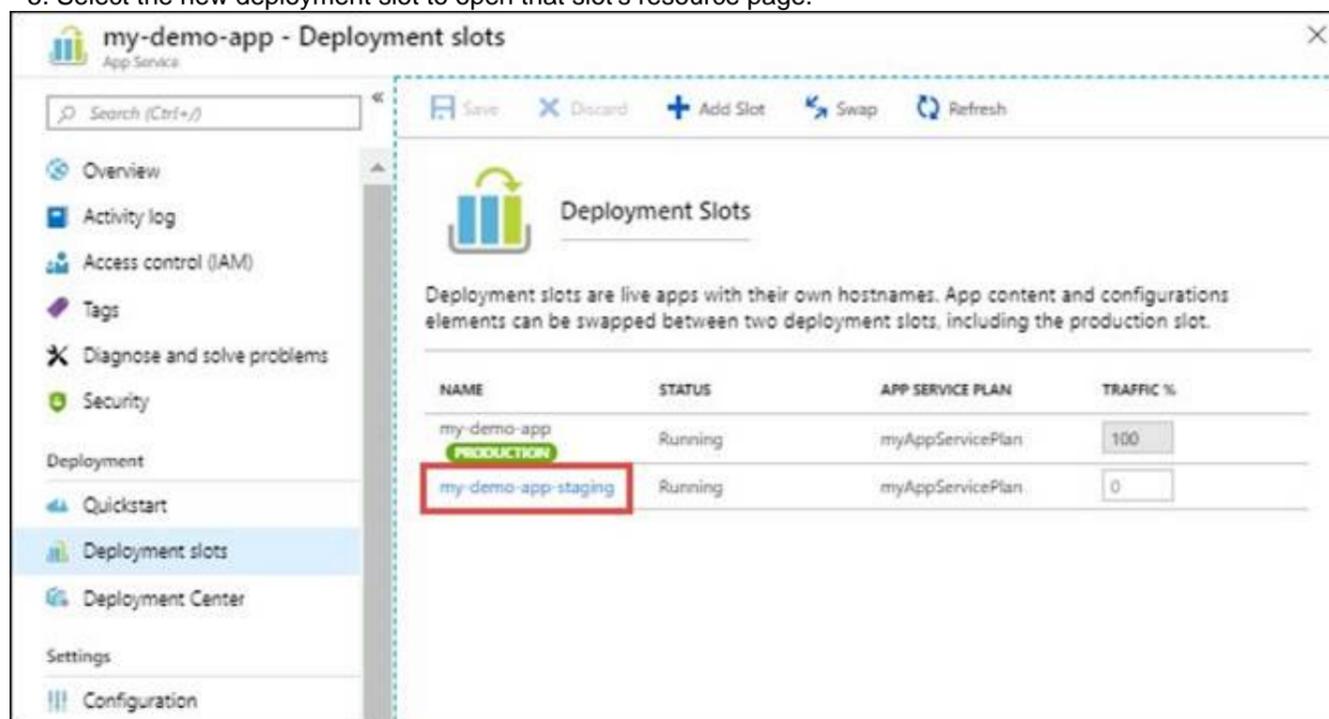


* 3. In the Add a slot dialog box, give the slot a name, and select whether to clone an app configuration from another deployment slot. Select Add to continue.



* 4. After the slot is added, select Close to close the dialog box. The new slot is now shown on the Deployment slots page. By default, Traffic % is set to 0 for the new slot, with all customer traffic routed to the production slot.

* 5. Select the new deployment slot to open that slot's resource page.



* 6. Change TRAFFIC % to 10

References:
<https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots>

NEW QUESTION 204

- (Topic 4)

You use Azure Pipelines to manage project builds and deployments.

You plan to use Azure Pipelines for Microsoft Teams to notify the legal team when a new build is ready for release. You need to configure the Organization Settings in Azure DevOps to support Azure Pipelines for Microsoft Teams. What should you turn on?

- A. Azure Active Directory Conditional Access Policy Validation
- B. Alternate authentication credentials
- C. Third-party application access via OAuth
- D. SSH authentication

Answer: C

Explanation:

The Azure Pipelines app uses the OAuth authentication protocol, and requires Third-party application access via OAuth for the organization to be enabled. To enable this setting, navigate to Organization Settings > Security > Policies, and set the Third-party application access via OAuth for the organization setting to On.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/integrations/microsoft-teams>

NEW QUESTION 207

- (Topic 4)

You use GitHub for source control and project-related discussions.

You receive a notification when an entry is made to any team discussion.

You need to ensure that you receive email notifications only for discussions in which you commented or in which you are mentioned.

Which two Notifications settings should you clear? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Participating
- B. Automatically watch repositories
- C. Automatically watch teams
- D. Watching

Answer: BD

NEW QUESTION 208

- (Topic 4)

You are building an ASP.NET Core application.

You plan to create an application utilization baseline by capturing telemetry data.

You need to add code to the application to capture the telemetry data. The solution must minimize the costs of storing the telemetry data.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Add the `<InitialSamplingPercentage>99</InitialSamplingPercentage>` parameter to the `ApplicationInsights.config` file.
- B. From the code of the application, enable adaptive sampling.
- C. From the code of the application, add Azure Application Insights telemetry.
- D. Add the `<MaxTelemetryItemsPerSecond>5</MaxTelemetryItemsPerSecond>` parameter to the `ApplicationInsights.config` file.
- E. From the code of the application, disable adaptive sampling.

Answer: CE

Explanation:

"Fixed-rate sampling reduces the volume of telemetry sent from both your ASP.NET or ASP.NET Core or Java server and from your users' browsers. You set the rate. The client and server will synchronize their sampling so that, in Search, you can navigate between related page views and requests."

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

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/asp-net-core> <https://docs.microsoft.com/en-us/azure/azure-monitor/app/sampling#configuring-adaptive-sampling-for-aspnet-core-applications>

NEW QUESTION 212

- (Topic 4)

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.

Your company uses Azure DevOps to manage the build and release processes for applications.

You use a Git repository for applications source control.

You need to implement a pull request strategy that reduces the history volume in the master branch.

Solution: You implement a pull request strategy that uses fast-forward merges. Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

No fast-forward merge - This option merges the commit history of the source branch when the pull request closes and creates a merge commit in the target branch.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/repos/git/branch-policies>

NEW QUESTION 217

- (Topic 4)

You have an Azure DevOps organization named Contoso and an Azure subscription.

You use Azure DevOps to build a containerized app named App1 and deploy App1 to an Azure container instance named ACM.

You need to restart ACM when App1 stops responding. What should you do?

- A. Add a liveness probe to the YAML configuration of App1.
- B. Use Connection Monitor in Azure Network Watcher.
- C. Add a readiness probe to the YAML configuration of App1.
- D. Use IP flow verify in Azure Network Watcher.

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-liveness-probe>

NEW QUESTION 222

DRAG DROP - (Topic 4)

You are configuring an Azure DevOps deployment pipeline. The deployed application will authenticate to a web service by using a secret stored in an Azure key vault.

You need to use the secret in the deployment pipeline.

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 in the correct order.

Actions	Answer Area
Export a certificate from the key vault.	
Add an app registration in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.	
Generate a self-signed certificate.	
Create a service principal in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.	
Configure an access policy in the key vault.	
Add an Azure Resource Manager service connection to the pipeline.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions	Answer Area
Export a certificate from the key vault.	Entra.
Add an app registration in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.	
Generate a self-signed certificate.	Generate a self-signed certificate.
Create a service principal in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.	
Configure an access policy in the key vault.	
Add an Azure Resource Manager service connection to the pipeline.	

NEW QUESTION 227

- (Topic 4)

You have multi-tier application that has an Azure Web Apps front end and an Azure SQL Database back end.

You need to recommend a solution to capture and store telemetry data. The solution must meet the following requirements:

- Support using ad-hoc queries to identify baselines.
- Trigger alerts when metrics in the baseline are exceeded.
- Store application and database metrics in a central location. What should you include in the recommendation?

- A. Azure Application Insights
- B. Azure SQL Database Intelligent Insights
- C. Azure Event Hubs
- D. Azure Log Analytics

Answer: A

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/collect-azurepass-posh>

NEW QUESTION 231

DRAG DROP - (Topic 3)

You are configuring the Azure DevOps dashboard. The solution must meet the technical requirements.

Which widget should you use for each metric? To answer, drag the appropriate widgets to the correct metrics. Each widget 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.

Widgets

- Velocity
- Query tile
- Query results
- Sprint burndown
- Cumulative flow diagram
- Release pipeline overview

Metrics

- 1:
- 2:
- 3:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Woodgrove Bank identifies the following technical requirements:
 ? The Azure DevOps dashboard must display the metrics shown in the following table:
 Box 1: Velocity
 Velocity displays your team velocity. It shows what your team delivered as compared to plan.
 Box 2: Release pipeline overview
 Release pipeline overview shows the status of environments in a release definition.
 Box 3: Query tile
 Query tile displays the total number of results from a query.

NEW QUESTION 236

- (Topic 3)
 You need to configure Azure Pipelines to control App2 builds. Which authentication method should you use?

- A. Windows NTLM
- B. certificate
- C. SAML
- D. personal access token (PAT)

Answer: D

Explanation:

Scenario: Deploy App2 to an Azure virtual machine named VM1.
 A personal access token (PAT) is used as an alternate password to authenticate into Azure DevOps.
 Reference:
<https://docs.microsoft.com/en-us/azure/devops/organizations/accounts/use-personal-access-tokens-to-authenticate>

NEW QUESTION 239

- (Topic 3)
 You need to meet the technical requirements for controlling access to Azure DevOps.
 What should you use?

- A. Azure Multi-Factor Authentication (MFA)
- B. on-premises firewall rules
- C. conditional access policies in Azure AD
- D. Azure role-based access control (Azure RBAC)

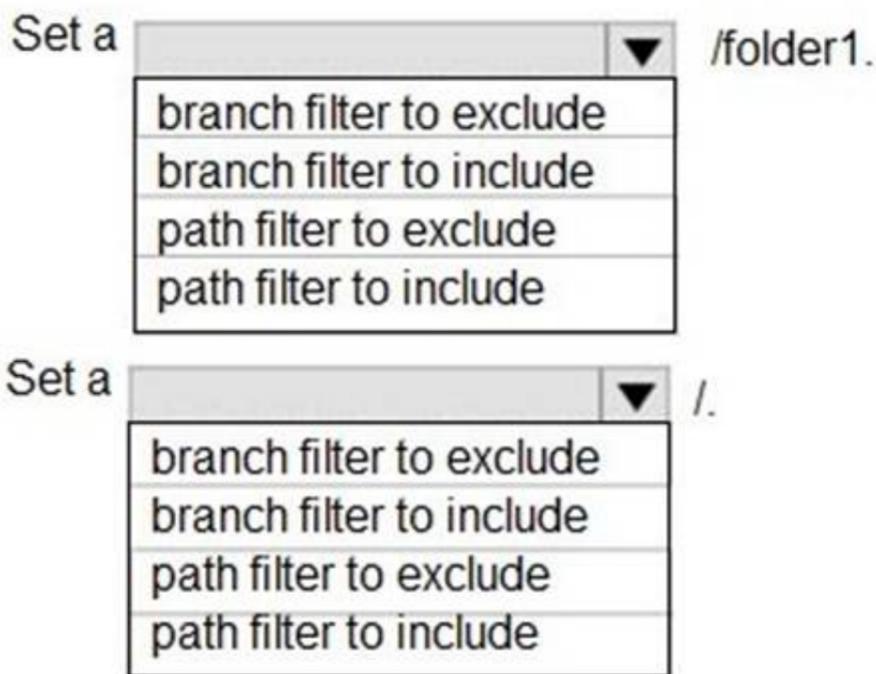
Answer: B

Explanation:

Scenario: Access to Azure DevOps must be restricted to specific IP addresses.
 Azure DevOps is authenticated through Azure Active Directory. You can use Azure AD's conditional access to prevent logins from certain geographies and address ranges.
 Reference:
<https://www.rebeladmin.com/2018/08/step-step-guide-configure-location-based-conditional-access-policies/>

NEW QUESTION 243

HOTSPOT - (Topic 2)
 How should you configure the filters for the Project5 trigger? To answer, select the appropriate option in the answer area.
 NOTE: Each correct selection is worth one point.



@

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Project5 will contain a Git repository in Azure Reports and a continuous integration trigger that will initiate a build in response to any change except for changes within /folder1 of the repository.

Scenario:

References: <https://docs.microsoft.com/en-us/azure/devops/pipelines/build/triggers>

NEW QUESTION 248

DRAG DROP - (Topic 2)

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 in 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:

Scenario: Implement Project3, Project5, Project6, and Project7 based on the planned changes

Project 6	Project6 will provide support for build and deployment pipelines. Deployment will be allowed only if the number of current work items representing active software bugs is 0.
-----------	---

Step 1: Open the release pipeline editor.

In the Releases tab of Azure Pipelines, select your release pipeline and choose Edit to open the pipeline editor.

Step 2: Enable Gates.

Choose the pre-deployment conditions icon for the Production stage to open the conditions panel. Enable gates by using the switch control in the Gates section.

Step 3: Add Query Work items.

Choose + Add and select the Query Work Items gate. Configure the gate by selecting an existing work item query.

Deployment gates ⓘ + Add ▾

Query Work Items Enabled ⓘ

Query Work Items ⓘ

Task version 0.* ▾

Display name *

Query * ⓘ

Upper threshold * ⓘ

Advanced ^

Lower threshold * ⓘ

Output Variables ^

Reference name ⓘ

Variables list
 There are no output variables associated with this task [more information](#) ⓘ

Evaluation options ▾

Note: A case for release gate is:

Incident and issues management. Ensure the required status for work items, incidents, and issues. For example, ensure deployment occurs only if no priority zero bugs exist, and validation that there are no active incidents takes place after deployment.

References:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/release/deploy-using-approvals?view=azure-devops#configure-gate>

NEW QUESTION 250

DRAG DROP - (Topic 2)

You need to recommend a procedure to implement the build agent for Project1.

Which three actions should you recommend be performed in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

- Sign in to Azure DevOps by using an account that is assigned the Administrator service connection security role.
- Install the Azure Pipelines agent on on-premises virtual machine.
- Create a personal access token in the Azure DevOps organization of Contoso.
- Install and register the Azure Pipelines agent on an Azure virtual machine.
- Sign in to Azure DevOps by using an account that is assigned the agent pool administrator role.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Scenario:

Project 1	Project1 will provide support for incremental builds and third-party SDK components
-----------	---

Step 1: Sign in to Azure Develops by using an account that is assigned the Administrator service connection security role.
 Note: Under Agent Phase, click Deploy Service Fabric Application. Click Docker Settings and then click Configure Docker settings. In Registry Credentials Source, select Azure Resource Manager Service Connection. Then select your Azure subscription.
 Step 2: Create a personal access token..
 A personal access token or PAT is required so that a machine can join the pool created with the Agent Pools (read, manage) scope.
 Step 3: Install and register the Azure Pipelines agent on an Azure virtual machine.
 By running a Azure Pipeline agent in the cluster, we make it possible to test any service, regardless of type.
 References:
<https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-tutorial-deploy-container-app-with-cicd-vsts>
<https://mohitgoyal.co/2019/01/10/run-azure-devops-private-agents-in-kubernetes-clusters/>

NEW QUESTION 254

- (Topic 2)
 You need to implement Project4. What should you do first?

- A. Add the FROM instruction in the Dockerfile file.
- B. Add a Copy and Publish Build Artifacts task to the build pipeline.
- C. Add a Docker task to the build pipeline.
- D. Add the MAINTAINER instruction in the Dockerfile file.

Answer: C

Explanation:

Scenario: Implement Project4 and configure the project to push Docker images to Azure Container Registry.

Project 4	Project4 will provide support for a build pipeline that creates a Docker image and pushes the image to the Azure Container Registry. Project4 will use an existing Dockerfile.
-----------	--

You use Azure Container Registry Tasks commands to quickly build, push, and run a Docker container image natively within Azure, showing how to offload your "inner-loop" development cycle to the cloud. ACR Tasks is a suite of features within Azure Container Registry to help you manage and modify container images across the container lifecycle.

References:
<https://docs.microsoft.com/en-us/azure/container-registry/container-registry-quickstart-task- cli>

NEW QUESTION 258

- (Topic 2)
 In Azure DevOps, you create Project3.
 You need to meet the requirements of the project. What should you do first?

- A. From Azure DevOps, create a service endpoint.
- B. From Sonar Qube, obtain an authentication token.
- C. From Azure DevOps, modify the build definition.
- D. From Sonar Qube , create a project.

Answer: A

Explanation:

The first thing to do is to declare your Sonar Qube server as a service endpoint in your VSTS/DevOps project settings.
 References: <https://docs.sonarqube.org/display/SCAN/Analyzing+with+SonarQube+Extension+for+vsts- TFS>

NEW QUESTION 260

DRAG DROP - (Topic 2)
 You need to configure Azure Automation for the computer in Group7.
 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 in the correct order.

Actions	Answer Area
Run the Import-AzureRmAutomationDscConfiguration Azure PowerShell cmdlet.	
Create a Desired State Configuration (DSC) configuration file that has an extension of .ps1.	
Run the New-AzureRmResourceGroupDeployment Azure PowerShell cmdlet.	⏪ ⏩
Run the Start-AzureRmAutomationDscCompilationJob Azure PowerShell cmdlet.	⏪ ⏩
Create an Azure Resource Manager template file that has an extension of .json.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Create a Desired State Configuration (DSC) configuration file that has an extension of .ps1.

Step 2: Run the Import-AzureRmAutomationDscConfiguration Azure Powershell cmdlet The Import-AzureRmAutomationDscConfiguration cmdlet imports an APS Desired State Configuration (DSC) configuration into Azure Automation. Specify the path of an APS script that contains a single DSC configuration.

Example:

```
PS C:\>Import-AzureRmAutomationDscConfiguration -AutomationAccountName "Contoso17"-ResourceGroupName "ResourceGroup01" -SourcePath "C:\DSC\client.ps1" - Force
```

This command imports the DSC configuration in the file named client.ps1 into the Automation account named Contoso17. The command specifies the Force parameter. If there is an existing DSC configuration, this command replaces it.

Step 3: Run the Start-AzureRmAutomationDscCompilationJob Azure Powershell cmdlet The Start-AzureRmAutomationDscCompilationJob cmdlet compiles an APS Desired State Configuration (DSC) configuration in Azure Automation.

References:

<https://docs.microsoft.com/en-us/powershell/module/azurermsautomation/import-azurermsautomationdscconfiguration>

<https://docs.microsoft.com/en-us/powershell/module/azurermsautomation/start-azurermsautomationdsc compilationjob>

NEW QUESTION 264

HOTSPOT - (Topic 1)

HOTSPOT

You are using PowerShell to administer Azure Log Analytics workspaces. You need to list the available workspaces and their properties.

How should you complete the command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Get-AzResource	-ResourceGroupName	Microsoft.OperationalInsights/workspaces - ExpandProperties
Get-AzResourceGroup	-ResourceId	
Get-AzResourceProvider	-ResourceType	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Get-AzResource

Use the following command to examine the access control mode for all workspaces in the subscription:

PowerShell

```
Get-Az Resource -Resource Type Microsoft. Operational Insights/workspaces -Expand Properties | for each {s.Name + ": " + $_.Properties.features.enableLogAccessUsingOnlyResourcePermissions
```

NEW QUESTION 265

HOTSPOT - (Topic 1)

You need to configure a cloud service to store the secrets required by the mobile applications to call the share.

What should you include in the solution? To answer, select the appropriate options in the answer area, NOTE: Each correct selection is worth one point.

Required secrets:

<ul style="list-style-type: none"> Certificate Personal access token Shared Access Authorization token Username and password
--

Storage location:

<ul style="list-style-type: none"> Azure Data Lake Azure Key Vault Azure Storage with HTTP access Azure Storage with HTTPS access

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Every request made against a storage service must be authorized, unless the request is for a blob or container resource that has been made available for public or signed access. One option for authorizing a request is by using Shared Key.

Scenario: The mobile applications must be able to call the share pricing service of the existing retirement fund management system. Until the system is upgraded, the service will only support basic authentication over HTTPS.

The investment planning applications suite will include one multi-tier web application and two iOS mobile application. One mobile application will be used by employees; the other will be used by customers.

References: <https://docs.microsoft.com/en-us/rest/api/storageservices/authorize-with-shared-key>

NEW QUESTION 268

- (Topic 1)

You are using GitHub as a source code repository.

You create a client-side Git hook on the commit-msg event. The hook requires that each commit message contain a custom work item tag. You need to make a commit that does not have a work item tag. Which git commit parameter should you use?

- A. --squash
- B. --no-verify
- C. --message "
- D. --no-post-rewrite

Answer: B

Explanation:

The commit-msg hook is invoked by git-commit and git-merge, and can be bypassed with the --no-verify option.

Reference:

<https://git-scm.com/docs/githooks>

NEW QUESTION 269

HOTSPOT - (Topic 1)

HOTSPOT

You have an Azure virtual machine named VM1 that runs Linux.

You plan to deploy the Desired State Configuration (DSC) extension to VM1. You need to grant the Log Analytics agent the appropriate directory permissions.

How should you complete the command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

setfacl -m u:omsagent:

r	/lib
X	/etc
rX	/tmp
rWX	/usr

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: rwx

The Log Analytics agent for Linux runs as the omsagent user. To grant >write permission to the omsagent user, run the command setfacl -m u:omsagent:rwx /tmp.

Box 2: /tmp

Deploying DSC to a Linux node uses the /tmp folder.

NEW QUESTION 273

- (Topic 1)

Which branching strategy should you recommend for the investment planning applications suite?

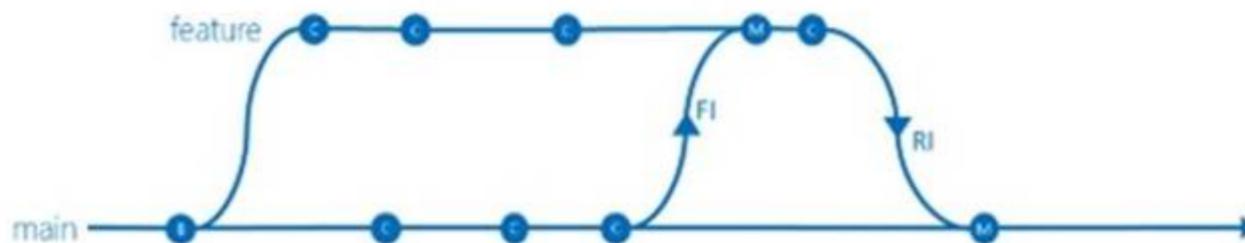
- A. release isolation
- B. main only
- C. development isolation
- D. feature isolation

Answer: D

Explanation:

Scenario: A branching strategy that supports developing new functionality in isolation must be used.

Feature isolation is a special derivation of the development isolation, allowing you to branch one or more feature branches from main, as shown, or from your dev branches.



When you need to work on a particular feature, it might be a good idea to create a feature branch.

NEW QUESTION 274

- (Topic 1)

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

NEW QUESTION 278

- (Topic 1)

To resolve the current technical issue, what should you do to the Register- AzureRmAutomationDscNode command?

- A. Change the value of the ConfigurationMode parameter.
- B. Replace the Register-AzureRmAutomationDscNode cmdlet with Register-AzureRmAutomationScheduledRunbook
- C. Add the AllowModuleOverwrite parameter.
- D. Add the DefaultProfile parameter.

Answer: A

Explanation:

Change the ConfigurationMode parameter from ApplyOnly to ApplyAndAutocorrect.

The Register-AzureRmAutomationDscNode cmdlet registers an Azure virtual machine as an APS Desired State Configuration (DSC) node in an Azure Automation account.

Scenario: Current Technical Issue

The test servers are configured correctly when first deployed, but they experience configuration drift over time. Azure Automation State Configuration fails to correct the configurations.

Azure Automation State Configuration nodes are registered by using the following command.

Register-AzureRmAutomationDscNode

```
-ResourceGroupName 'TestResourceGroup'
-AutomationAccountName 'LitwareAutomationAccount'
-AzureVMName $vmname
-ConfigurationMode 'ApplyOnly'
```

References: <https://docs.microsoft.com/en-us/powershell/module/azurermautomation/register-azurermautomationdscnode?view=azurermps-6.13.0>

NEW QUESTION 280

DRAG DROP - (Topic 4)

You have an Azure Kubernetes Service (AKSJ pod that hosts an app named App1.

You need to configure the AKS container to restart automatically if the container stops responding. The solution must check the status of App1 once every three seconds.

How should you complete the deployment? To answer, drag the appropriate values to the correct targets. Each value 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.

Values	Answer Area
Always	<pre>apiVersion: 2019-12-01 location: eastus name: App1 properties: containers: - name: container1 properties: image: mycompany/myimage:1.0.1 ports: [] resources: requests: cpu: 1.0 memoryInGB: 1.5 <input type="text"/> httpGet: path: / port: 8080 <input type="text"/> : 3 timeoutSeconds: 1 osType: linux restartPolicy: <input type="text"/> tags: null type: Microsoft.ContainerInstance/containerGroups ...</pre>
initialDelaySeconds	
livenessProbe	
Never	
periodSeconds	
readinessProbe	
successThreshold	
Value	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values	Answer Area
Always	apiVersion: 2019-12-01
InitialDelaySeconds	location: eastus
livenessProbe	name: App1
Never	properties:
periodSeconds	containers:
readinessProbe	- name: container1
successThreshold	properties:
Value	image: mycompany/myimage:1.0.1
	ports: []
	resources:
	resources:
	requests:
	cpu: 1.0
	memoryInGB: 1.5
	readinessProbe
	httpGet:
	path: /
	port: 8000
	Value 3
	timeoutSeconds: 1
	osType: Linux
	restartPolicy: periodSeconds
	tags: null
	type: Microsoft.ContainerInstance/containerGroups
	...

NEW QUESTION 282

- (Topic 4)

You have an app named App1 that you release by using Azure Pipelines. App1 has the versions shown in the following table. You complete a code change to fix a bug that was introduced in version 3.4.3. Which version number should you assign to the release?

- A. 3.4.4
- B. 3.4.8
- C. 3.5.0
- D. 4.0.1

Answer: D

NEW QUESTION 285

- (Topic 4)

Your company uses GitHub for source control. The company has a team that performs code reviews. You need to automate the assignment of the code reviews. The solution must meet the following requirements:
 Prioritize the assignment of code reviews to team members who have the fewest outstanding assignments.
 Ensure that each team member performs an equal number of code reviews in any 30-day period.
 Prevent the assignment of code reviews to the team leader.
 Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Clear Never assign certain team members.
- B. Select If assigning team members, don't notify the entire team.
- C. Select Never assign certain team members.
- D. Set Routing algorithm to Round robin.
- E. Set Routing algorithm to Load balance.

Answer: AE

Explanation:

A: To always skip certain members of the team, select Never assign certain team members. Then, select one or more team members you'd like to always skip. In this case select the team leader.

E: The load balance algorithm chooses reviewers based on each member's total number of recent review requests and considers the number of outstanding reviews for each member. The load balance algorithm tries to ensure that each team member reviews an equal number of pull requests in any 30day period.

Reference:

<https://docs.github.com/en/organizations/organizing-members-into-teams/managing-code-review-assignment-for-your-team>

NEW QUESTION 289

SIMULATION - (Topic 4)

You plan to deploy a runbook that will create Azure AD user accounts. You need to ensure that runbooks can run the Azure PowerShell cmdlets for Azure Active Directory. To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Azure Automation now ships with the Azure PowerShell module of version 0.8.6, which introduced the ability to non-interactively authenticate to Azure using OrgId (Azure Active Directory user) credential-based authentication. Using the steps below, you can set up Azure Automation to talk to Azure using this authentication type.

Step 1: Find the Azure Active Directory associated with the Azure subscription to manage:

* 1. Log in to the Azure portal as the service administrator for the Azure subscription you want to manage using Azure Automation. You can find this user by logging in to the Azure portal as any user with access to this Azure subscription, then clicking Settings, then Administrators.



* 2. Note the name of the directory associated with the Azure subscription you want to manage. You can find this directory by clicking Settings, then Subscriptions.

settings

SUBSCRIPTION	SUBSCRIPTION ID	ACCOUNT ADMINISTRATOR	DIRECTORY
Windows Azure MSDN - Visual Studio Ultimate	[REDACTED]	[REDACTED]	Joe Levy

Step 2: Create an Azure Active Directory user in the directory associated with the Azure subscription to manage:

You can skip this step if you already have an Azure Active Directory user in this directory. and plan to use this OrgId to manage Azure.

* 1. In the Azure portal click on Active Directory service.



- * 2. Click the directory name that is associated with this Azure subscription.
- * 3. Click on the Users tab and then click the Add User button.
- * 4. For type of user, select "New user in your organization." Enter a username for the user to create.
- * 5. Fill out the user's profile. For role, pick "User." Don't enable multi-factor authentication. Multi-factor accounts cannot be used with Azure Automation.
- * 6. Click Create.
- * 7. Jot down the full username (including part after @ symbol) and temporary password.

Step 3: Allow this Azure Active Directory user to manage this Azure subscription.

- * 1. Click on Settings (bottom Azure tab under StorSimple)



- * 2. Click Administrators
- * 3. Click the Add button. Type the full user name (including part after @ symbol) of the Azure Active Directory user you want to set up to manage Azure. For subscriptions, choose the Azure subscriptions you want this user to be able to manage. Click the check mark.

Step 4: Configure Azure Automation to use this Azure Active Directory user to manage this Azure subscription

Create an Azure Automation credential asset containing the username and password of the Azure Active Directory user that you have just created. You can create a credential asset in Azure Automation by clicking into an Automation Account and then clicking the Assets tab, then the Add Setting button.



Note: Once you have set up the Azure Active Directory credential in Azure and Azure Automation, you can now manage Azure from Azure Automation runbooks using this credential.

References:

<https://azure.microsoft.com/sv-se/blog/azure-automation-authenticating-to-azure-using-azure-active-directory/>

NEW QUESTION 294

- (Topic 4)

You have a build pipeline in Azure Pipelines that occasionally fails.

You discover that a test measuring the response time of an API endpoint causes the failures.

You need to prevent the build pipeline from failing due to The test.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point

- A. Enable Test Impact Analysis (TIA).
- B. Enable test slicing.
- C. Clear Flaky tests included in test pass percentage
- D. Set Flaky test detection to Off
- E. Manually mark the test as flaky.

Answer: CE

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/test/flaky-test-management>

NEW QUESTION 297

HOTSPOT - (Topic 4)

You have a virtual machine that runs Windows Server 2019 and is managed by using Desired State Configuration (DSC).

You have the following DSC configuration.

```
configuration WebConfiguration
{
    File WebsiteContent {
        Ensure          = 'Present'
        SourcePath       = 'c:\test\index.htm'
        DestinationPath = 'c:\inetpub\wwwroot'
        DependsOn       = '[WindowsFeature]Web-Server'
    }

    WindowsFeature Web-Server
    {
        Ensure = 'Present'
        Name   = 'Web-Server'
    }
}
```

You have the following Local Configuration Manager (LCM) configuration.

```
LocalConfigurationManager
{
    ConfigurationMode = "ApplyAndMonitor"
    RefreshFrequencyMins = 30
    ConfigurationModeFrequencyMins = 60
    RefreshMode = 'Push'
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
The Index.htm file will be copied to the C:\Test folder before the Web-Server Windows feature is installed.	<input type="radio"/>	<input type="radio"/>
If manual changes are made to the configuration of the virtual machine, the configuration will reapply automatically.	<input type="radio"/>	<input type="radio"/>
If the Web-Server Windows feature is uninstalled from the virtual machine, the discrepancy will be reported in a log entry within 60 minutes.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

No " Dependson are defined" No "Mode is Apply and Monitor"

Yes "Configuration Mode FreqMin : 60 "

Configuration Mode Freq Min:How often, in minutes, the current configuration is checked and applied. This property is ignored if the Configuration Mode property is set to Apply Only.

[https://docs.microsoft.com/en-us/powershell/dsc/managing-nodes/metaconfig?view=dsc- 1.1](https://docs.microsoft.com/en-us/powershell/dsc/managing-nodes/metaconfig?view=dsc-1.1)

[https://docs.microsoft.com/en-us/powershell/dsc/configurations/resource-depends- on?view=dsc-1.1](https://docs.microsoft.com/en-us/powershell/dsc/configurations/resource-depends-on?view=dsc-1.1)

NEW QUESTION 300

- (Topic 4)

You are designing a strategy to monitor the baseline metrics of Azure virtual machines that run Windows Server. You need to collect detailed data about the processes running in the guest operating system. Which two agents should you deploy? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. the Dependency agent
- B. the Azure Network Watcher Agent for Windows
- C. the Telegraf agent
- D. the Azure Log Analytics agent

Answer: AD

Explanation:

The following table provide a quick comparison of the Azure Monitor agents for Windows.

	Azure Monitor agent (preview)	Diagnostics extension (WAD)	Log Analytics agent	Dependency agent
Environments supported	Azure	Azure	Azure Other cloud On-premises	Azure Other cloud On-premises
Agent requirements	None	None	None	Requires Log Analytics agent
Data collected	Event Logs Performance	Event Logs ETW events Performance File based logs IIS logs .NET app logs Crash dumps Agent diagnostics logs	Event Logs Performance File based logs IIS logs Insights and solutions Other services	Process dependencies Network connection metrics
Data sent to	Azure Monitor Logs Azure Monitor Metrics	Azure Storage Azure Monitor Metrics Event Hub	Azure Monitor Logs	Azure Monitor Logs (through Log Analytics agent)

Reference:
<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/agents-overview>

NEW QUESTION 302

SIMULATION - (Topic 4)

You need to create and configure an Azure Storage account named az400lod11566895stor in a resource group named RG1lod11566895 to store the boot diagnostics for a virtual machine named VM1.

To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

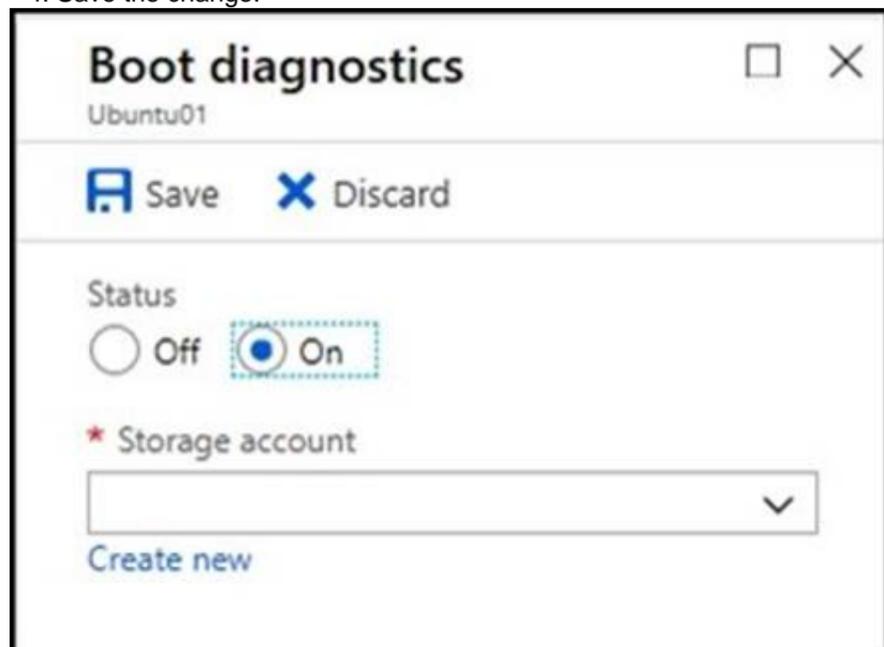
Step 1: To create a general-purpose v2 storage account in the Azure portal, follow these steps:

- ? On the Azure portal menu, select All services. In the list of resources, type Storage Accounts. As you begin typing, the list filters based on your input. Select Storage Accounts.
- ? On the Storage Accounts window that appears, choose Add.
- ? Select the subscription in which to create the storage account.
- ? Under the Resource group field, select RG1lod11566895
- ? Next, enter a name for your storage account named: az400lod11566895stor
- ? Select Create.

Step 2: Enable boot diagnostics on existing virtual machine

To enable Boot diagnostics on an existing virtual machine, follow these steps:

- * 1. Sign in to the Azure portal, and then select the virtual machine VM1.
- * 2. In the Support + troubleshooting section, select Boot diagnostics, then select the Settings tab.
- * 3. In Boot diagnostics settings, change the status to On, and from the Storage account drop-down list, select the storage account az400lod11566895stor.
- * 4. Save the change.



You must restart the virtual machine for the change to take effect.

NEW QUESTION 304

- (Topic 4)

You have an Azure subscription that contains the resources shown in the following table.

Name	Type
Feed1	Azure Artifacts feed
Project1	Project in Azure DevOps

Project1 produces 9pm packages that are published to Feed1. Feed1 is consumed by multiple projects. You need to ensure that only tested packages are available for consumption. The solution must minimize development effort. What should you do?

- A. Create a feed view named @default
- B. After the 9pm packages test successfully, configure a release pipeline that tags the packages as release.
- C. Create a feed view named @release and set @release as the default view
- D. After the 9pm packages test successfully, configure a release pipeline that tags the packages as release.
- E. Create a feed view named @release and set @release as the default view After the 9pm packages test successfully, configure a release pipeline that promotes a package to the @release view.
- F. Create a feed view named @default
- G. After the 9pm packages test successfully, configure a release pipeline that promotes a package to the @default view.

Answer: C

Explanation:

By creating a feed view named "release" and setting it as the default view, packages that are published to the feed will not be immediately available for consumption. After the 9pm packages are tested successfully, you can configure a release pipeline that promotes a package to the @release view. This ensures that only tested packages are available for consumption and minimizes development effort as it doesn't require any additional steps to be taken by the consumer of the feed.

Reference:

Azure DevOps Docs: Create a feed and views <https://docs.microsoft.com/en-us/azure/devops/artifacts/feeds/create-feed?view=azure-devops>

Azure DevOps Docs: Promote a package <https://docs.microsoft.com/en-us/azure/devops/artifacts/feeds/promote-package?view=azure-devops>

NEW QUESTION 307

DRAG DROP - (Topic 4)

Your company plans to deploy an application to the following endpoints:

- Ten virtual machines hosted in Azure.
- Ten virtual machines hosted in an on-premises data center environment All the virtual machines have the- Azure Pipelines agent.

You need to implement a release strategy for deploying the application to the endpoints.

What should you recommend using to deploy the application to the endpoints? To answer, drag the appropriate components to the correct endpoint.

Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or soon to view content

NOTE: Each correct selection n worth one point.

Components	Answer Area
A deployment group	
A management group	Ten virtual machines hosted in Azure: <input style="width: 150px; height: 20px;" type="text"/>
A resource group	Ten virtual machines hosted in an on-premises data center environment: <input style="width: 150px; height: 20px;" type="text"/>
Application roles	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: A deployment group

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.

Box 2: A deployment group

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

NEW QUESTION 310

- (Topic 4)

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.
 The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.
 You need to recommend changes to reduce the accumulated technical debt. Solution: You recommend increasing the test coverage.
 Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead reduce the code complexity. Reference:
<https://dzone.com/articles/fight-through-the-pain-how-to-deal-with-technical>

NEW QUESTION 313

- (Topic 4)

Your company is building a new solution in Java.

The company currently uses a SonarQube server to analyze the code of .NET solutions. You need to analyze and monitor the code quality of the Java solution.
 Which task types should you add to the build pipeline?

- A. Octopus
- B. Chef
- C. Maven
- D. Grunt

Answer: A

NEW QUESTION 314

- (Topic 4)

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 use Azure Pipelines to build and test a React js application. You have a pipeline that has a single job.

You discover that installing JavaScript packages from npm takes approximately five minutes each time you run the pipeline.

You need to recommend a solution to reduce the pipeline execution time. Solution: You recommend enabling parallel jobs for the pipeline.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead enable pipeline caching.

Note:

npm-cache is a command line utility that caches dependencies installed via npm, bower, jspm and composer.

It is useful for build processes that run [npm|bower|composer|jspm] install every time as part of their build process. Since dependencies don't change often, this often means slower build times. npm-cache helps alleviate this problem by caching previously installed dependencies on the build machine.

Reference: <https://www.npmjs.com/package/npm-cache>

NEW QUESTION 315

DRAG DROP - (Topic 4)

You use Azure Pipelines to automate Continuous Integration/Continuous Deployment (CI/CD) for an Azure web app named WebApp1.

You configure an Azure Monitor alert that is triggered when WebApp1 generates an error. You need to configure the alert to forward details of the error to a third-party system. The

solution must minimize administrative effort.

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 in the correct order.

Actions

Answer Area

Select the Recurrence trigger.

Create an Azure event hub.

Create an Azure logic app.

Select the HTTP request trigger.

Update the action group in Azure Monitor.

Select the Sliding Window trigger.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface,
 text, application
 Description automatically generated
 Box 1: Create an Azure logic app.
 Box 2: Select the HTTP request trigger.
 Box 3: Updated the action group in Azure Monitor.

NEW QUESTION 317

DRAG DROP - (Topic 4)

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-enabled 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 correct order.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1 : az acr create
 An Azure Container Registry (ACR) can also be created using the new Azure CLI. az acr create
 --name <REGISTRY_NAME>
 --resource-group <RESOURCE_GROUP_NAME>
 --sku Basic
 Step 2: az ad sp create-for-rbac
 Once the ACR has been provisioned, you can either enable administrative access (which is okay for testing) or you create a Service Principal (sp) which will provide a client_id and a client_secret.
 az ad sp create-for-rbac
 --scopes
 /subscriptions/<SUBSCRIPTION_ID>/resourcegroups/<RG_NAME>/providers/Microsoft.ContainerRegistry/registries/<REGISTRY_NAME>
 --role Contributor
 --name <SERVICE_PRINCIPAL_NAME>
 Step 3: kubectl create
 Create a new Kubernetes Secret.
 kubectl create secret docker-registry <SECRET_NAME>
 --docker-server <REGISTRY_NAME>.azurecr.io
 --docker-email <YOUR_MAIL>
 --docker-username=<SERVICE_PRINCIPAL_ID>
 --docker-password <YOUR_PASSWORD>
 References:
<https://thorsten-hans.com/how-to-use-private-azure-container-registry-with-kubernetes>

NEW QUESTION 320

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