

AZ-400 Dumps

Microsoft Azure DevOps Solutions (beta)

<https://www.certleader.com/AZ-400-dumps.html>



NEW QUESTION 1

- (Exam Topic 1)

How should you configure the release retention policy for the investment planning depletions suite? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Required secrets:

▼
Certificate
Personal access token
Shared Access Authorization token
Username and password

Storage location:

▼
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 2

- (Exam 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: D

NEW QUESTION 3

- (Exam Topic 2)

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 4

- (Exam Topic 2)

You have an Azure DevOps organization named Contoso that contains a project named Project 1. You provision an Azure key vault name Keyvault1.

You need to reference Keyvault1 secrets in a build pipeline of Project1. What should you do first?

- A. Create an XAML build service.
- B. Create a variable group in Project1.
- C. Add a secure file to Project1.
- D. Configure the security policy of Contoso.

Answer: B

Explanation:

Before this will work, the build needs permission to access the Azure Key Vault. This can be added in the Azure Portal. Open the Access Policies in the Key Vault and add a new one. Choose the principle used in the DevOps build. Reference: <https://docs.microsoft.com/en-us/azure/devops/pipelines/release/azure-key-vault>

NEW QUESTION 5

- (Exam Topic 2)

You need to ensure that an Azure web app named az400-9940427-main can retrieve secrets from an Azure key vault named az400-9940427-kv1 by using a system managed identity.

The solution must use the principle of least privilege.

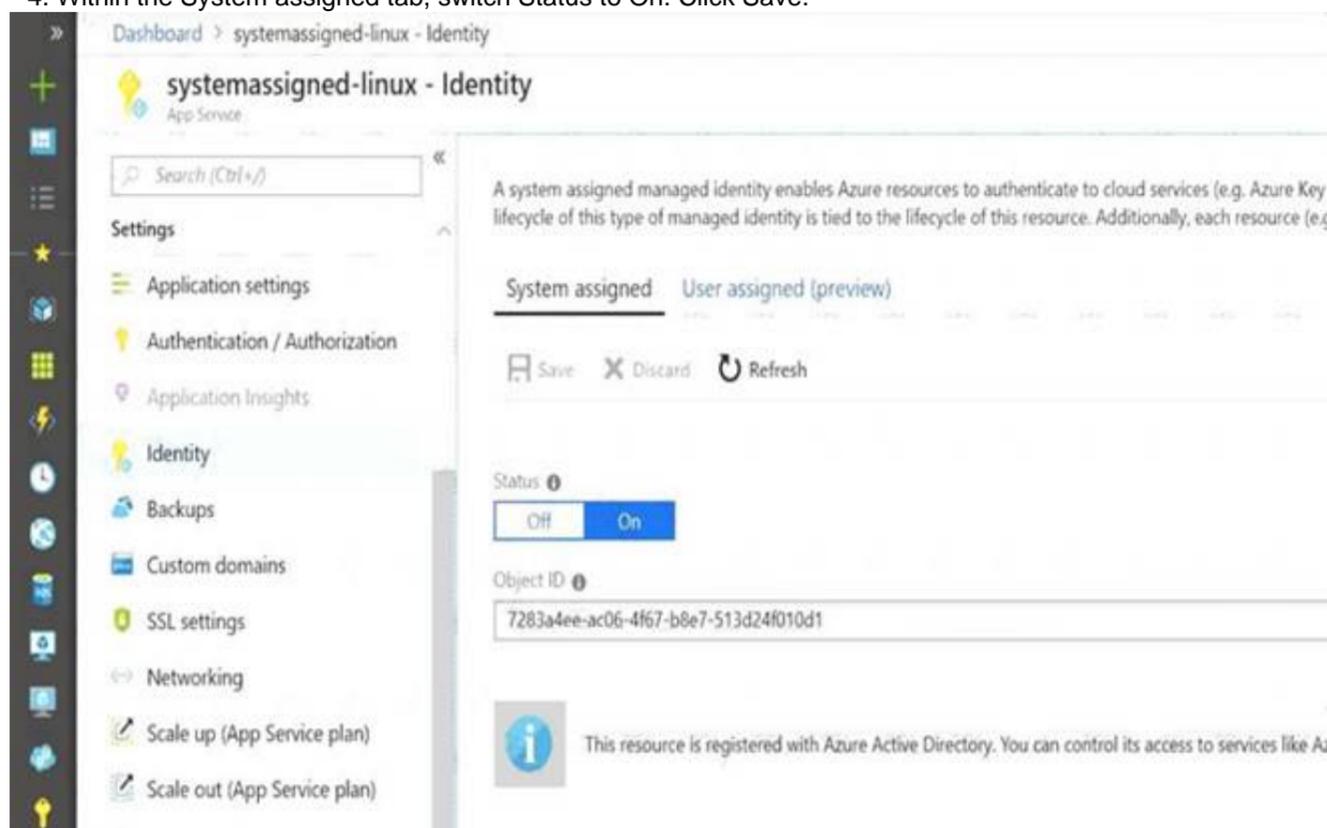
To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * 1. In Azure portal navigate to the az400-9940427-main app.
- * 2. Scroll down to the Settings group in the left navigation.
- * 3. Select Managed identity.
- * 4. Within the System assigned tab, switch Status to On. Click Save.



References:
<https://docs.microsoft.com/en-us/azure/app-service/overview-managed-identity>

NEW QUESTION 6

- (Exam Topic 2)

You are planning projects for three customers. Each customer's preferred process for work items is shown in the following table.

Customer name	Preferred process
Litware, Inc.	Track product backlog items (PBIs) and bugs on the Kanban board. Break the PBIs down into tasks on the task board.
Contoso, Ltd.	Track user stories and bugs on the Kanban board. Track the bugs and tasks on the task board.
A. Datum Corporation	Track requirements, change requests, risks, and reviews.

The customers all plan to use Azure DevOps for work item management.

Which work item process should you use for each customer? To answer, drag the appropriate work item process to the correct customers. Each work item process 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.

Processes	Answer Area
Agile	Litware
CMMI	Contoso:
Scrum	A. Datum:
XP	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Scrum

Choose Scrum when your team practices Scrum. This process works great if you want to track product backlog items (PBIs) and bugs on the Kanban board, or break PBIs and bugs down into tasks on the taskboard.

Box 2: Agile

Choose Agile when your team uses Agile planning methods, including Scrum, and tracks development and test activities separately. This process works great if you want to track user stories and (optionally) bugs on the Kanban board, or track bugs and tasks on the taskboard.

Box 3: CMMI

Choose CMMI when your team follows more formal project methods that require a framework for process improvement and an auditable record of decisions. With this process, you can track requirements, change requests, risks, and reviews.

NEW QUESTION 7

- (Exam Topic 2)

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

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

You need to ensure that an email alert is generated whenever VMSS1 scales in or out. Solution: From Azure Monitor, create an action group.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 8

- (Exam Topic 2)

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 9

- (Exam Topic 2)

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: BF

Explanation:

References:
<https://docs.microsoft.com/en-us/appcenter/distribution/auto-provisioning>

NEW QUESTION 10

- (Exam Topic 2)

You have the following Azure policy.

```
if: {
  allOf: [
    {
      "field": "type",
      "equals": "Microsoft.Storage/storageAccounts"
    },
    {
      "field": "Microsoft.Storage/storageAccounts/supportsHttpsTrafficOnly",
      "notEquals": "true"
    }
  ]
},
then: {
  effect: "deny"
}
```

You assign the policy to the Tenant root group. What is the effect of the policy?

- A. prevents all http traffic to existing Azure Storage accounts
- B. ensures that all traffic to new Azure Storage accounts is encrypted
- C. prevents HTTPS traffic to new Azure Storage accounts when the accounts are accessed over the Internet
- D. ensures that all data for new Azure Storage accounts is encrypted at rest

Answer: B

Explanation:

Denies non HTTPS traffic.

NEW QUESTION 10

- (Exam Topic 2)

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.

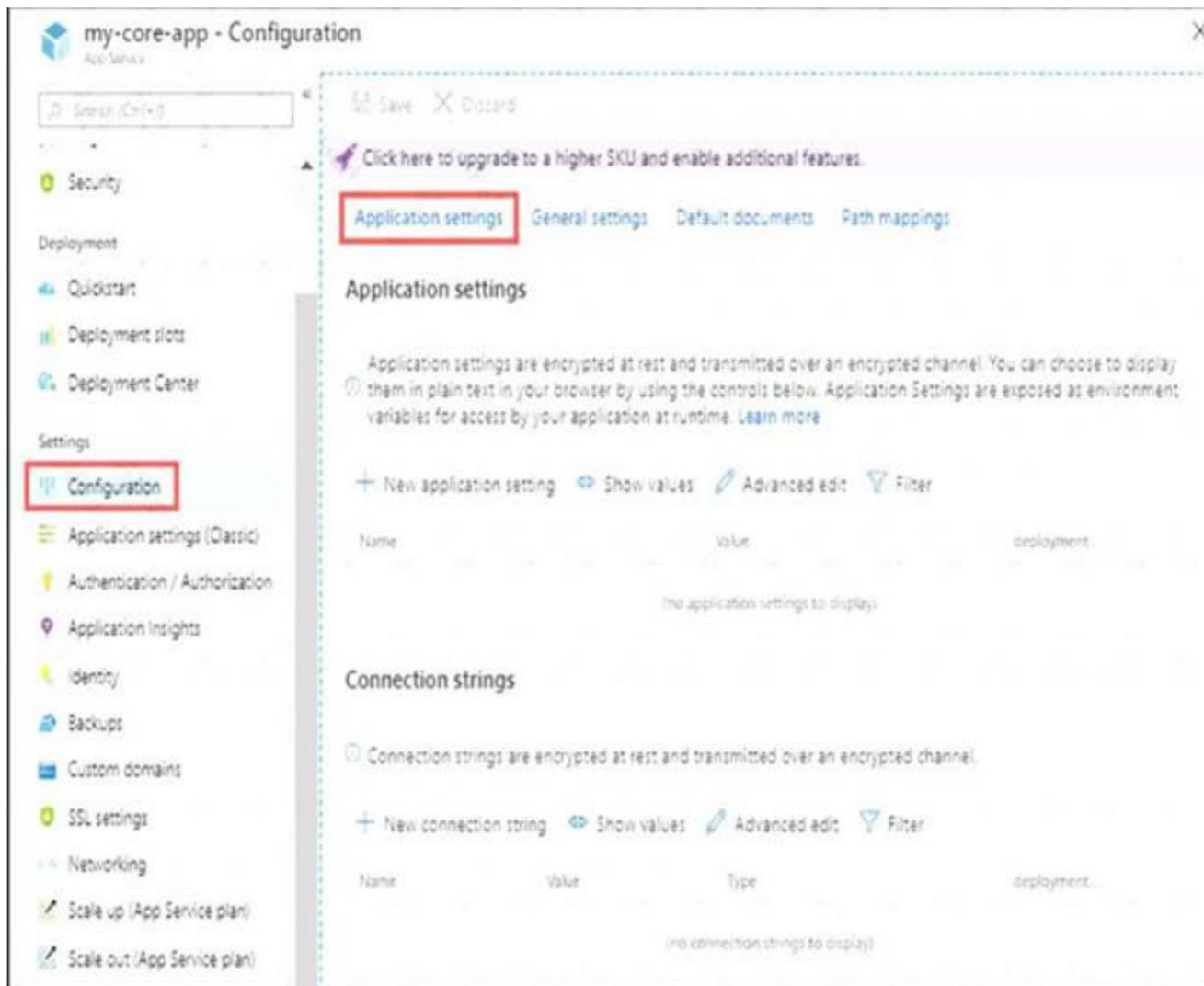
To complete this task, sign in to the Microsoft Azure portal.

- 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 15

- (Exam Topic 2)

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 19

- (Exam Topic 2)

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 23

- (Exam Topic 2)

You are creating a NuGet package.

You plan to distribute the package to your development team privately. You need to share the package and test that the package can be consumed.

Which four 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 new Azure Artifacts feed.

Configure a self-hosted agent.

Publish a package.

Install a package.

Connect to an Azure Artifacts feed.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Configure a self-hosted agent.

The build will run on a Microsoft hosted agent. Step 2: Create a new Azure Artifacts feed

Microsoft offers an official extension for publishing and managing your private NuGet feeds.

Step 3: Publish the package.

Publish, pack and push the built project to your NuGet feed. Step 4: Connect to an Azure Artifacts feed.

With the package now available, you can point Visual Studio to the feed, and download the newly published package

References:

<https://medium.com/@dan.cokely/creating-nuget-packages-in-azure-devops-with-azure-pipelines-and-yaml-d6fa>

NEW QUESTION 27

- (Exam Topic 2)

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 defining a container job that uses a custom container that has the JavaScript packages preinstalled.

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 32

- (Exam Topic 2)

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

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

You need to ensure that an email alert is generated whenever VMSS1 scales in or out. Solution: From Azure DevOps, configure the Notifications settings for Project1. Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 37

- (Exam Topic 2)

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 38

- (Exam Topic 2)

Your company uses Azure Artifacts for package management.

You need to configure an upstream source in Azure Artifacts for Python packages. Which repository type should you use as an upstream source?

- A. PyPI
- B. npmjs.org
- C. Maven Central
- D. third-party trusted Python

Answer: A

Explanation:

Get started with Python packages in Azure Artifacts Create a feed

- > Select Artifacts (in the left navigation of your Azure DevOps project).
- > On the Artifacts page, select Create Feed.
- > In the Create new feed dialog box:
- > In the Name field, give the feed a name.

PyPI is the default repository name for twine, which is a tool for publishing Python packages. Reference:

<https://docs.microsoft.com/en-us/azure/devops/artifacts/quickstarts/python-packages>

NEW QUESTION 43

- (Exam Topic 2)

You have an Azure subscription that contains resources in several resource groups.

You need to design a monitoring strategy that will provide a consolidated view. The solution must support the following requirements:

- Support role-based access control (RBAC) by using Azure Active Directory (Azure AD) identities.
- Include visuals from Azure Monitor that are generated by using the Kusto query language.
- Support documentation written in markdown.
- Use the latest data available for each visual.

What should you use to create the consolidated view?

- A. Azure Data Explorer
- B. Azure dashboards
- C. Azure Monitor
- D. Microsoft Power BI

Answer: A

Explanation:

There are several tools available for running queries in Azure Data Explorer, including Kusto.

Kusto uses a role-based access control (RBAC) model, under which authenticated principals are mapped to roles, and get access according to the roles they're assigned.

Note: Azure Data Explorer is a highly scalable and secure analytics service that enables you to do rich exploration of structured and unstructured data for instant insights. Optimized for ad-hoc queries, Azure Data Explorer enables rich data exploration over raw, structured, and semi-structured data delivering fast time to insight. Query with a modern, intuitive query language that offers fast, ad-hoc, and advanced query capabilities over high-rate data volumes and varieties

Reference:

<https://docs.microsoft.com/en-us/azure/data-explorer/tools-integrations-overview>

NEW QUESTION 46

- (Exam Topic 2)

You are designing a build pipeline in Azure Pipelines.

The pipeline requires a self-hosted agent. The build pipeline will run once daily and will take 30 minutes to complete.

You need to recommend a compute type for the agent. The solution must minimize costs. What should you recommend?

- A. Azure virtual machines
- B. an Azure virtual machine scale set
- C. an Azure Kubernetes Service (AKS) cluster
- D. Azure Container Instances

Answer: B

Explanation:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/agents?view=azure-devops&tabs=browser#faq>

NEW QUESTION 51

- (Exam Topic 2)

You manage the Git repository for a large enterprise application.

During the development of the application, you use a file named Config.json.

You need to prevent Config.json from being committed to the source control whenever changes to the application are committed.

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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Delete and recreate the repository. Step 2: Add Config.json to the .gitignore file

Each line in the .gitignore excludes a file or set of files that match a pattern. Example:

ignore a single file Config.json

Step 3: Run the git add .gitignore command

At the initial commit we want basically move from Untracked to Staged, for staging we have to indicate which file we want to move or specify a pattern, as example:

Reference:

<http://hermit.no/how-to-find-the-best-gitignore-for-visual-studio-and-azure-devops/>

<https://geohernandez.net/how-to-add-an-existing-repository-into-azure-devops-repo-with-git/>

NEW QUESTION 52

- (Exam Topic 2)

You are designing an Azure DevOps strategy for your company's development team. You suspect that the team's productivity is low due to accumulate technical debt. You need to recommend a metric to assess the amount of the team's technical debt. What should you recommend?

- A. the number of code modules in an application
- B. the number of unit test failures
- C. the percentage of unit test failures
- D. the percentage of overall time spent on rework

Answer: D

NEW QUESTION 56

- (Exam Topic 2)

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

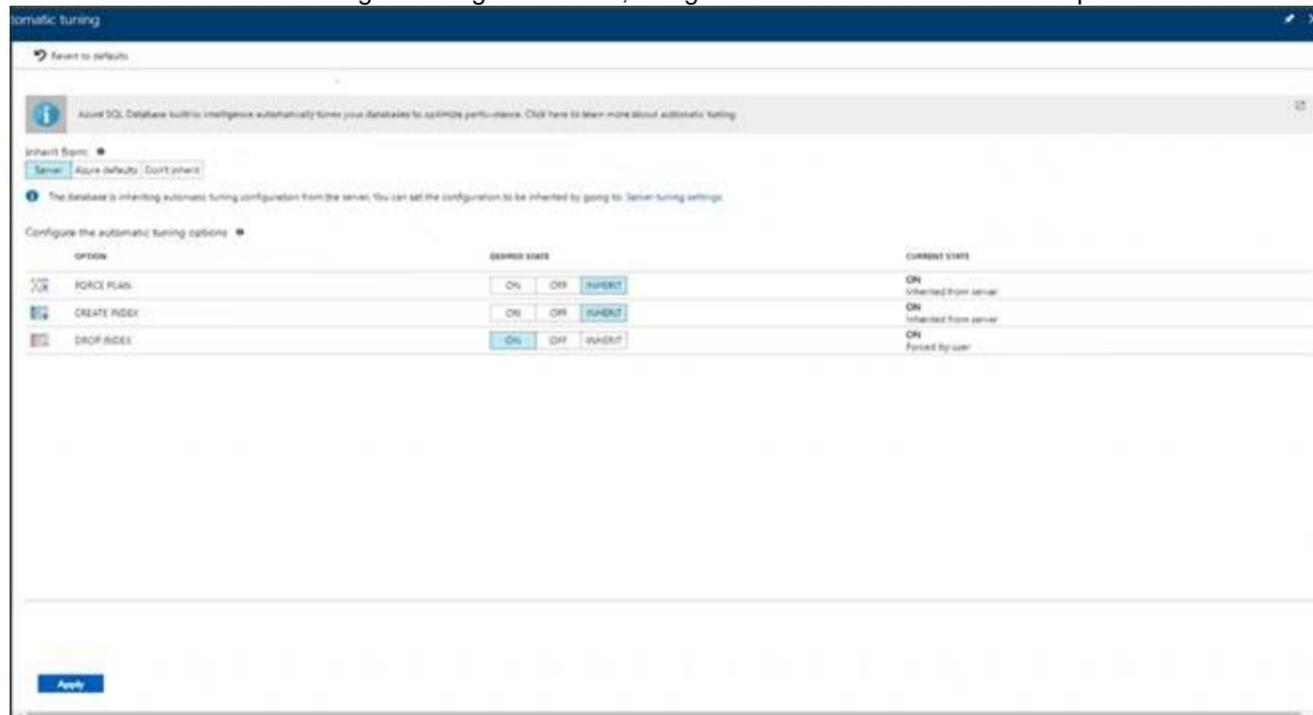
portal.

- 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.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/automatic-tuning-enable>

NEW QUESTION 59

- (Exam Topic 2)

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 60

- (Exam Topic 2)

You have an Azure DevOps project that uses many package feeds.

You need to simplify the project by using a single feed that stores packages produced by your company and packages consumed from remote feeds. The solution must support public feeds and authenticated feeds.

What should you enable in DevOps?

- A. Universal Packages
- B. views in Azure Artifacts
- C. upstream sources
- D. a symbol server

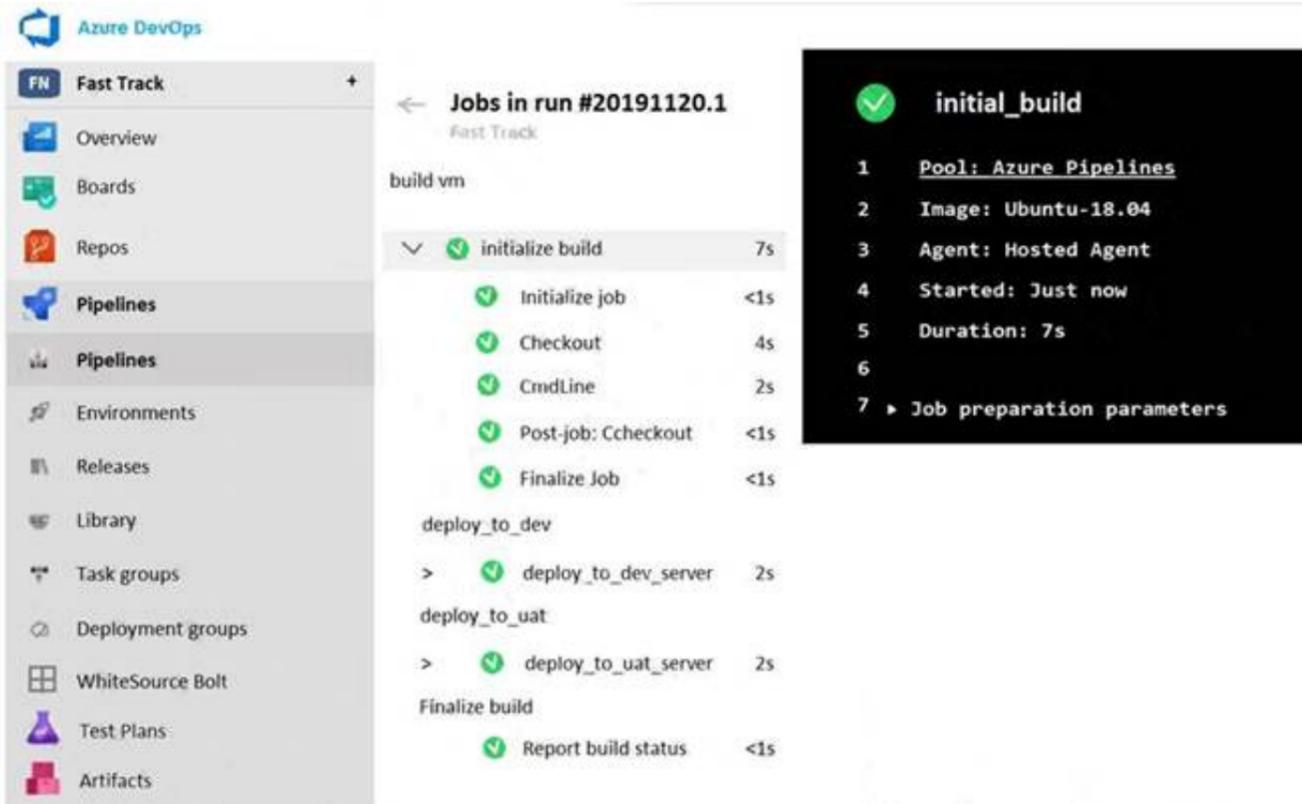
Answer: B

NEW QUESTION 65

- (Exam Topic 2)

Your company uses Azure DevOps to deploy infrastructures to Azure. Pipelines are developed by using YAML.

You execute a pipeline and receive the results in the web portal for Azure Pipelines as 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.

The pipeline contains

	▼
one stage	
two stages	
three stages	
four stages	
five stages	

Build_vm contains

	▼
one job	
two jobs	
three jobs	
four jobs	
five jobs	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Reference:
<https://dev.to/rajikaimal/azure-devops-ci-cd-yaml-pipeline-4glj>

NEW QUESTION 67

- (Exam Topic 2)

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

NEW QUESTION 68

- (Exam Topic 2)

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: C

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>

NEW QUESTION 71

- (Exam Topic 2)

Your company uses the following resources:

- > Windows Server 2019 container images hosted in an Azure Container Registry
- > Azure virtual machines that run the latest version of Ubuntu An Azure
- > Log Analytics workspace Azure Active Directory (Azure AD)
- > An Azure key vault

For which two resources can you receive vulnerability assessments in Azure Security Center? Each correct answer presents part of the solution.

- A. the Azure Log Analytics workspace
- B. the Azure key vault
- C. the Azure virtual machines that run the latest version of Ubuntu
- D. Azure Active Directory (Azure AD)
- E. the Windows Server 2019 container images hosted in the Azure Container Registry

Answer: CE

Explanation:

<https://docs.microsoft.com/en-us/azure/security-center/features-paas>

NEW QUESTION 72

- (Exam Topic 2)

You have several Azure virtual machines that run Windows Server 2019.

You need to identify the distinct event IDs of each virtual machine as shown in the following table.

Name	Event ID
VM1	[704,701,1501,1500, 1085]
VM2	[326,105,302,301,300,102]
...	...

How should you complete the Azure Monitor query? To answer, drag the appropriate values to the correct locations. 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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

You can use makelist to pivot data by the order of values in a particular column. For example, you may want to explore the most common order events take place on your machines. You can essentially pivot the data by the order of EventIDs on each machine.

Example: Event

| where TimeGenerated > ago(12h)

| order by TimeGenerated desc

| summarize makelist(EventID) by Computer Reference:

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

NEW QUESTION 75

- (Exam Topic 2)

You are designing YAML-based Azure pipelines for the apps shown in the following table.

Name	Platform	Release requirements
App1	Azure virtual machine	Replace a fixed set of existing instances of the previous version of App1 with instances of the new version of the app in each iteration.
App2	Azure Kubernetes Service (AKS) cluster	Roll out a limited deployment of the new version of App2 to validate the functionality of the app. Once testing is successful, expand the rollout.

You need to configure the YAML strategy value for each app. The solution must minimize app downtime. Which value should you configure for each app? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

App1: ▼

- canary
- rolling
- runonce

App2: ▼

- canary
- rolling
- runonce

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

App1: rolling

A rolling deployment replaces instances of the previous version of an application with instances of the new version of the application on a fixed set of virtual machines (rolling set) in each iteration.

App2: canary

Canary deployment strategy is an advanced deployment strategy that helps mitigate the risk involved in rolling out new versions of applications. By using this strategy, you can roll out the changes to a small subset of servers first. As you gain more confidence in the new version, you can release it to more servers in your infrastructure and route more traffic to it. Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/process/deployment-jobs>

NEW QUESTION 79

- (Exam Topic 2)

You are designing the security validation strategy for a project in Azure DevOps.

You need to identify package dependencies that have known security issues and can be resolved by an update.

What should you use?

- A. Octopus Deploy
- B. Jenkins
- C. Gradle
- D. SonarQube

Answer: D

Explanation:

With enterprise level of SonarQube you can use OWASP that runs the security scans for known vulnerabilities. <https://www.sonarqube.org/features/security/>
https://www.sonarqube.org/features/security/owasp/?gclid=Cj0KCQiAzZL-BRDnARIsAPCJs70Teq0-efI2Hd_h

NEW QUESTION 84

- (Exam Topic 2)

You have a web app that connects to an Azure SQL Database named db1.

You need to configure db1 to send Query Store runtime statistics to Azure Log Analytics. To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

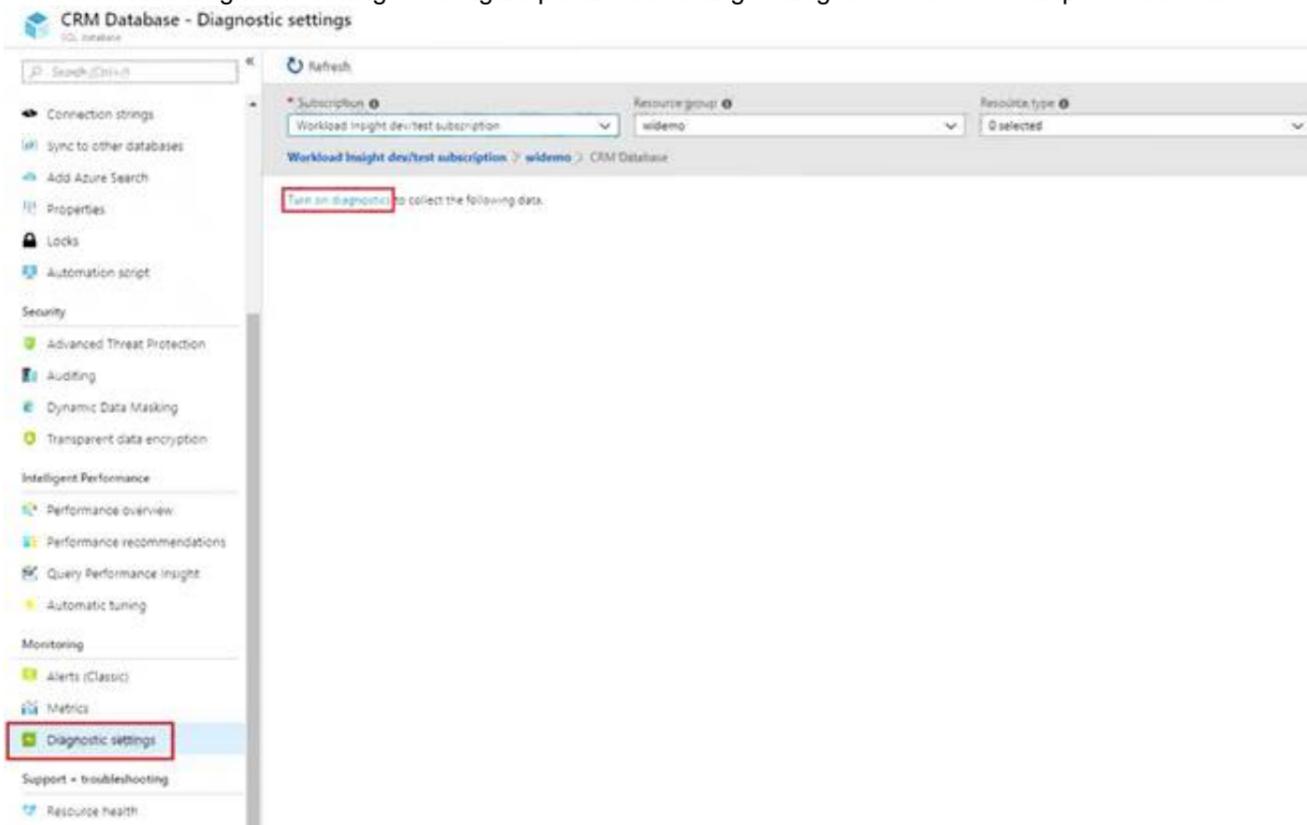
Answer: A

Explanation:

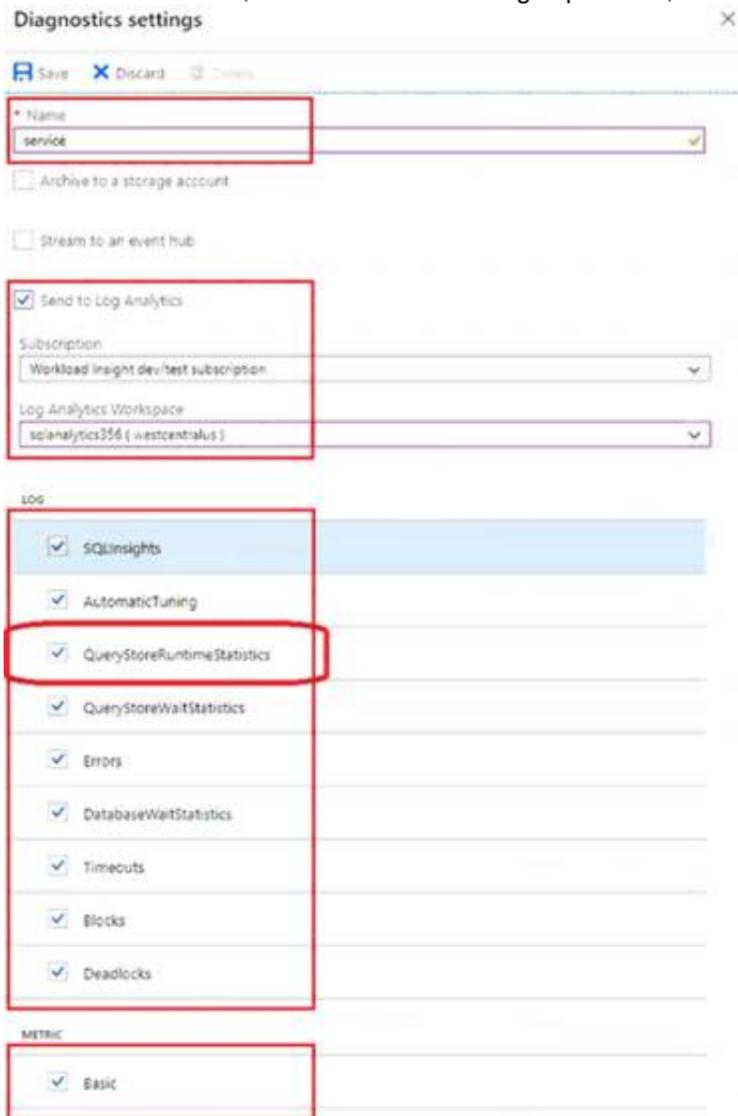
To enable streaming of diagnostic telemetry for a single or a pooled database, follow these steps:

- * 1. Go to Azure SQL database resource.
- * 2. Select Diagnostics settings.

- * 3. Select Turn on diagnostics if no previous settings exist, or select Edit setting to edit a previous setting. You can create up to three parallel connections to stream diagnostic telemetry.
- * 4. Select Add diagnostic setting to configure parallel streaming of diagnostics data to multiple resources.



- * 5. Enter a setting name for your own reference.
- * 6. Select a destination resource for the streaming diagnostics data: Archive to storage account, Stream to an event hub, or Send to Log Analytics.
- * 7. For the standard, event-based monitoring experience, select the following check boxes for database diagnostics log telemetry: QueryStoreRuntimeStatistics



- * 8. For an advanced, one-minute-based monitoring experience, select the check box for Basic metrics.
- * 9. Select Save. Reference:
<https://docs.microsoft.com/en-us/azure/azure-sql/database/metrics-diagnostic-telemetry-logging-streaming-expo>

NEW QUESTION 86

- (Exam Topic 2)

Your company uses GitHub for source control. GitHub repositories store source code and store process documentation. The process documentation is saved as Microsoft Word documents that contain simple flow charts stored as .bmp files.

You need to optimize the integration and versioning of the process documentation and the flow charts. The solution must meet the following requirements:

- Store documents as plain text.
- Minimize the number of files that must be maintained.
- Simplify the modification, merging, and reuse of flow charts.
- Simplify the modification, merging, and reuse of documents.

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.

Convert the .docx files to:

- LaTeX Typesetting (.tex)
- Markdown (.md)
- Portable Document Format (.pdf)

Convert the flow charts to:

- Mermaid graph diagrams (.md)
- Portable Network Graphics (.png)
- Tagged Image File Format (.tiff)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Convert the .docx files to:

- LaTeX Typesetting (.tex)
- Markdown (.md)
- Portable Document Format (.pdf)

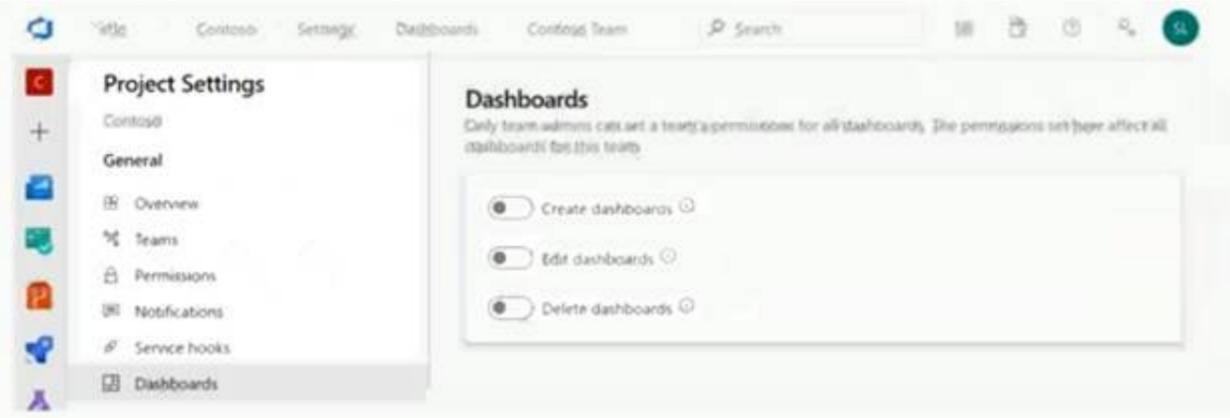
Convert the flow charts to:

- Mermaid graph diagrams (.md)
- Portable Network Graphics (.png)
- Tagged Image File Format (.tiff)

NEW QUESTION 91

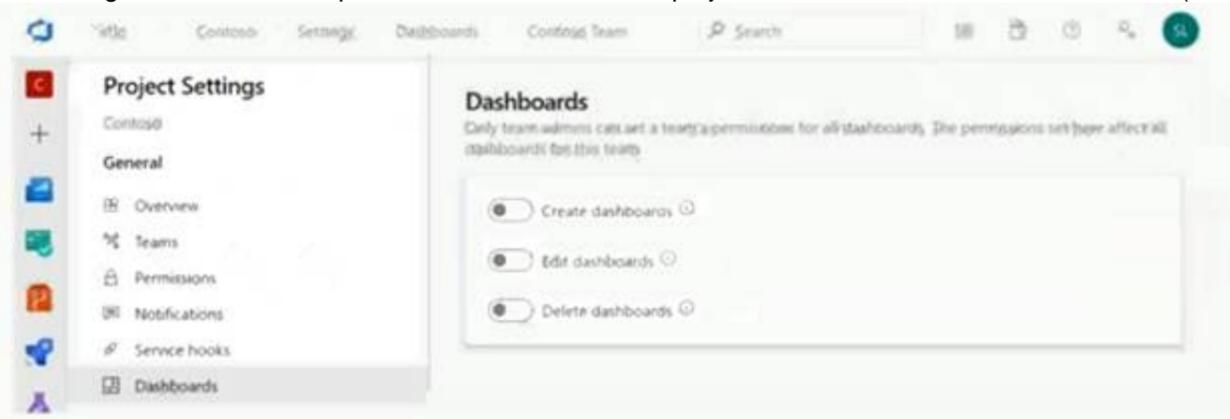
- (Exam Topic 2)

You have a project in Azure DevOps that has three teams as shown in the Teams exhibit. (Click the Teams tab.)



You create a new dashboard named Dash1.

You configure the dashboard permissions for the Contoso project as shown in the Permissions exhibit (Click the Permissions tab.)



All other permissions have the default values set.

Statements	Yes	No
Web Team can delete Dash1.	<input type="radio"/>	<input type="radio"/>
Contoso Team can view Dash1.	<input type="radio"/>	<input type="radio"/>
Project administrators can create new dashboards.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Web Team can delete Dash1.	<input type="radio"/>	<input checked="" type="radio"/>
Contoso Team can view Dash1.	<input checked="" type="radio"/>	<input type="radio"/>
Project administrators can create new dashboards.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 94

- (Exam Topic 2)

You are designing a configuration management solution to support five apps hosted on Azure App Service. Each app is available in the following three environments: development, test, and production.

You need to recommend a configuration management solution that meets the following requirements:

- > Supports feature flags
- > Tracks configuration changes from the past 30 days
- > Stores hierarchically structured configuration values
- > Controls access to the configurations by using role-based access control (RBAC) permission
- > Stores shared values as key/value pairs that can be used by all the apps

Which Azure service should you recommend as the configuration management solution?

- A. Azure Cosmos DB
- B. Azure App Service
- C. Azure App Configuration
- D. Azure Key Vault

Answer: C

Explanation:

The Feature Manager in the Azure portal for App Configuration provides a UI for creating and managing the feature flags that you use in your applications.

App Configuration offers the following benefits:

- > A fully managed service that can be set up in minutes
- > Flexible key representations and mappings
- > Tagging with labels
- > Point-in-time replay of settings
- > Dedicated UI for feature flag management
- > Comparison of two sets of configurations on custom-defined dimensions
- > Enhanced security through Azure-managed identities
- > Encryption of sensitive information at rest and in transit
- > Native integration with popular frameworks

App Configuration complements Azure Key Vault, which is used to store application secrets. Reference:

<https://docs.microsoft.com/en-us/azure/azure-app-configuration/overview>

NEW QUESTION 97

- (Exam Topic 2)

You have a multi-tier application. The front end of the application is hosted in Azure App Service. You need to identify the average load times of the application pages. What should you use?

- A. the diagnostics logs of the App Service
- B. Azure Application Insights
- C. Azure Advisor
- D. the activity log of the App Service

Answer: B

NEW QUESTION 99

- (Exam Topic 2)

You have an Azure DevOps project named Project1 and an Azure subscription named Sub1. Sub1 contains an Azure virtual machine scale set named VMSS1. VMSS1 hosts a web application named WebApp1.

WebApp1 uses stateful sessions.

The WebApp1 installation is managed by using the Custom Script extension. The script resides in an Azure Storage account named sa1.

You plan to make a minor change to a UI element of WebApp1 and to gather user feedback about the change. You need to implement limited user testing for the new version of WebApp1 on VMSS1.

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

- A. Modify the load balancer settings of VMSS1.
- B. Redeploy VMSS1.
- C. Upload a custom script file to sa1.
- D. Modify the Custom Script extension settings of VMSS1.
- E. Update the configuration of a virtual machine in VMSS1.

Answer: BCD

NEW QUESTION 104

- (Exam Topic 2)

Your development team is building a new web solution by using the Microsoft Visual Studio integrated development environment (IDE). You need to make a custom package available to all the developers. The package must be managed centrally, and the latest version must be available for consumption in Visual Studio automatically. Which three actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Publish the package to a feed.
- B. Create a new feed in Azure Artifacts.
- C. Upload a package to a Git repository.
- D. Add the package URL to the Environment settings in Visual Studio.
- E. Add the package URL to the NuGet Package Manager settings in Visual Studio.
- F. Create a Git repository in Azure Repos.

Answer: ABE

Explanation:

B: By using your custom NuGet package feed within your Azure DevOps (previously VSTS) instance, you'll be able to distribute your packages within your organization with ease. Start by creating a new feed.

A: We can publish, pack and push the built project to our NuGet feed. E: Consume your private NuGet Feed

Go back to the Packages area in Azure DevOps, select your feed and hit "Connect to feed". You'll see some instructions for your feed, but it's fairly simple to set up.

Just copy your package source URL, go to Visual Studio, open the NuGet Package Manager, go to its settings and add a new source. Choose a fancy name, insert the source URL. Done.

Search for your package in the NuGet Package Manager and it should appear there, ready for installation. Make sure to select the appropriate feed (or just all feeds) from the top right select box.

References:

<https://medium.com/medialesson/get-started-with-private-nuget-feeds-in-azure-devops-8c7b5f022a68>

NEW QUESTION 106

- (Exam Topic 2)

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

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

Answer: D

Explanation:

The Secure Development Lifecycle (SDL) Guidelines recommend that teams perform static analysis during the implementation phase of their development cycle. Note: The company should focus in particular on the implementation of DevOps tests to assess the quality of the software from the planning stage to the implementation phase of the project.

References: <https://secdevtools.azurewebsites.net/>

NEW QUESTION 110

- (Exam Topic 2)

You plan to implement a CI/CD strategy for an Azure Web App named az400-11566895-main. You need to configure a staging environment for az400-11566895-main. To complete this task, sign in to the Microsoft Azure portal.

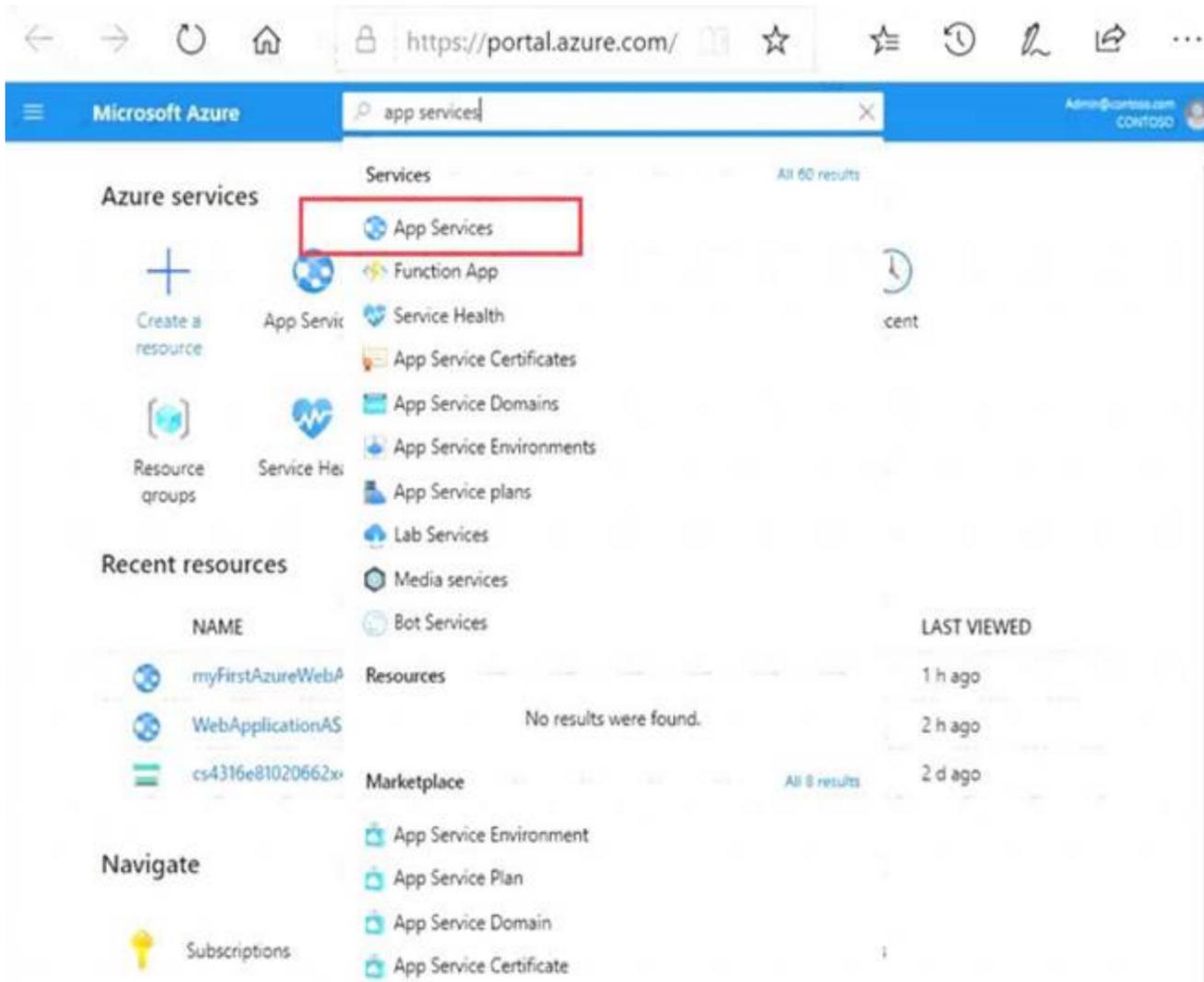
- A. Mastered
- B. Not Mastered

Answer: A

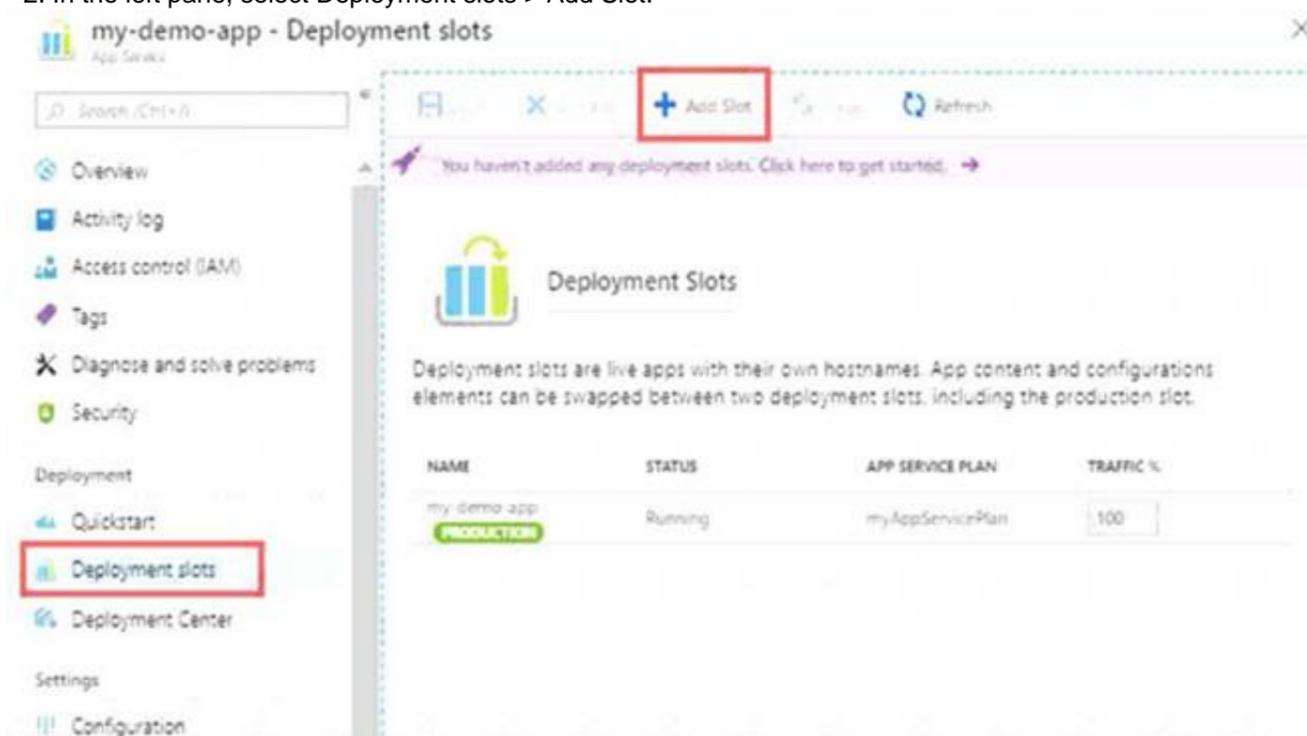
Explanation:

Add a slot

* 1. In the Azure portal, search for and select App Services and select your app az400-11566895-main.



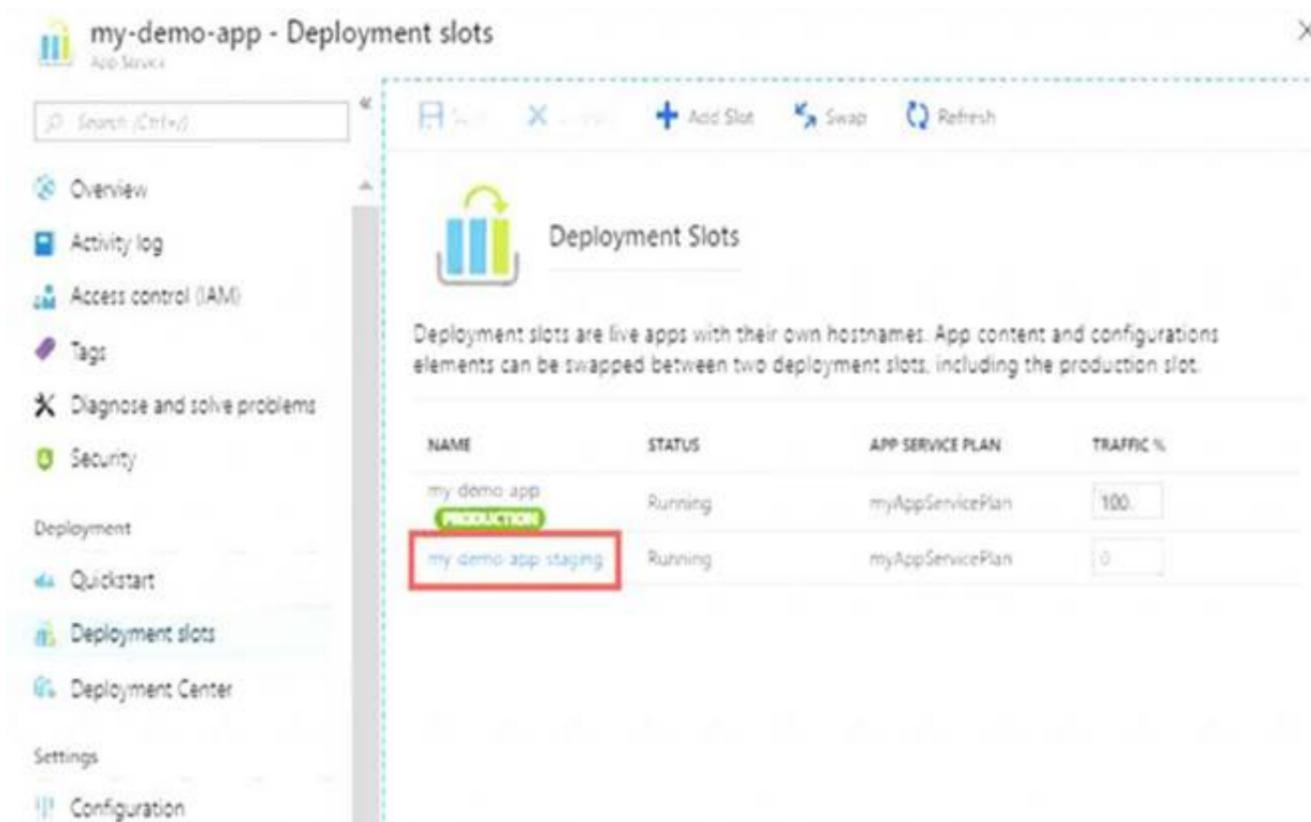
* 2. In the left pane, select Deployment slots > Add Slot.



* 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.



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

NEW QUESTION 115

- (Exam Topic 2)

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: <input type="text"/>
Static code analysis	Continuous integration: <input type="text"/>
Threat modeling	Continuous delivery: <input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 120

- (Exam Topic 2)

Your company has four projects. The version control requirements for each project are shown in the following table.

Project	Requirement
Project 1	Project leads must be able to restrict access to individual files and folders in the repository.
Project 2	The version control system must enforce the following rules before merging any changes to the main branch: <ul style="list-style-type: none"> • Changes must be reviewed by at least two project members. • Changes must be associated to at least one work team.
Project 3	The project members must be able to work in Azure Repos directly from Xcode.
Project 4	The release branch must only be viewable or editable by the project leads.

You plan to use Azure Repos for all the projects.

Which version control system should you use for each project? To answer, drag the appropriate version control systems to the correct projects. Each version control system 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.

Version Control Systems

Answer Area

Git	Project 1:	
Perforce	Project 2:	
Subversion	Project 3:	
Team Foundation Version Control	Project 4:	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* 1 -> TFVS Refer :
<https://docs.microsoft.com/en-us/azure/devops/repos/tfvc/control-access-team-foundation-version-control?view=>
 * 2 -> TFVS Refer :
<https://docs.microsoft.com/en-us/azure/devops/repos/tfvc/add-check-policies?view=azure-devops>
 * 3 -> Git Refer :
<https://docs.microsoft.com/en-us/azure/devops/repos/git/share-your-code-in-git-xcode?view=azure-devops>
 * 4 -> TFVS Refer :
<https://docs.microsoft.com/en-us/azure/devops/organizations/security/permissions?view=azure-devops#tfvc>

NEW QUESTION 123

- (Exam Topic 2)
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:	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">▼</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">azurekeyvault-flexvolume</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">blobfuse-flexvol</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">kubernetes.io/azure-disk</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">kubernetes.io/azure-file</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">volume.beta.kubernetes.io/storage-provisioner</div>
Deployment 2:	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">▼</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">azurekeyvault-flexvolume</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">blobfuse-flexvol</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">kubernetes.io/azure-disk</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">kubernetes.io/azure-file</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">volume.beta.kubernetes.io/storage-provisioner</div>
Deployment 3:	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">▼</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">azurekeyvault-flexvolume</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">blobfuse-flexvol</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">kubernetes.io/azure-disk</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">kubernetes.io/azure-file</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">volume.beta.kubernetes.io/storage-provisioner</div>

- 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 126

- (Exam Topic 2)

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 129

- (Exam Topic 2)

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

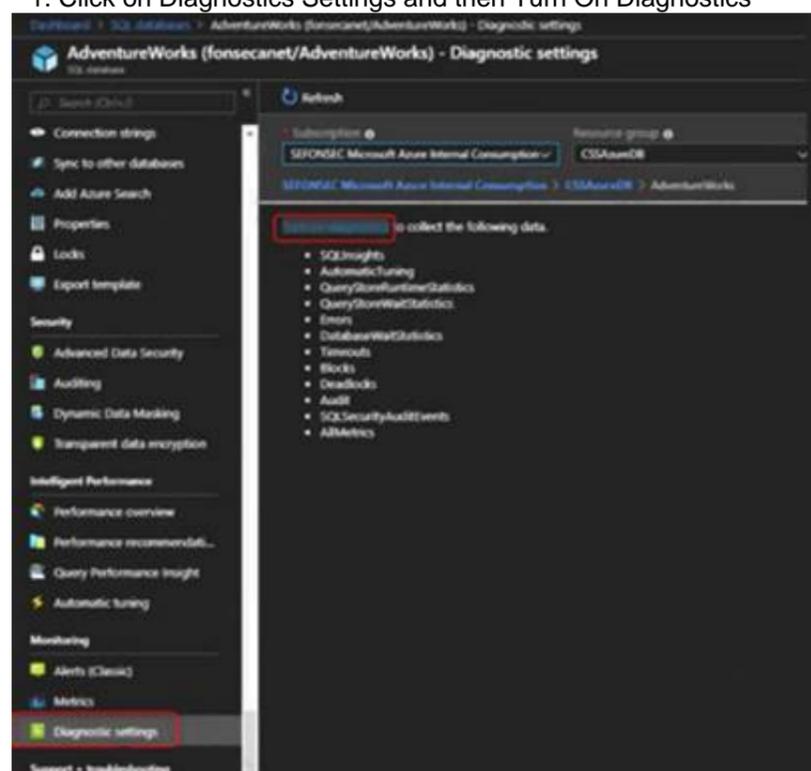
Answer: A

Explanation:

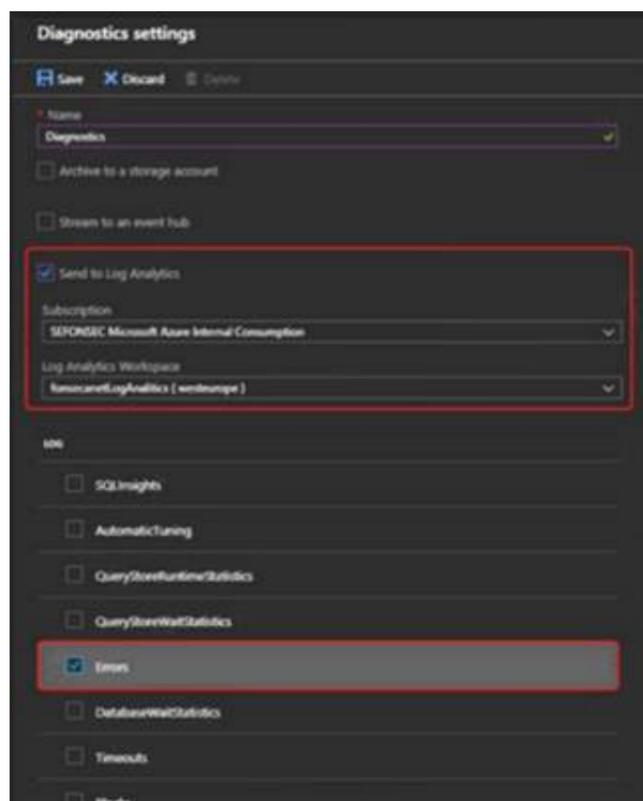
ENABLE DIAGNOSTICS TO LOG ANALYTICS

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>

NEW QUESTION 132

- (Exam Topic 2)

You have a free tier of an Azure DevOps organization named Contoso. Contoso contains 10 private projects. Each project has multiple jobs with no dependencies. You frequently run the jobs on five self-hosted agents but experience long build times and frequently queued builds. You need to minimize the number of queued builds and the time it takes to run the builds. What should you do?

- A. Purchase self-hosted parallel jobs.
- B. Register additional self-hosted agents.
- C. Purchase Microsoft-hosted parallel jobs.
- D. Configure the pipelines to use the Microsoft-hosted agents.

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/devops/organizations/billing/buy-more-build-vs?view=azure-devops#sel>

NEW QUESTION 135

- (Exam Topic 2)

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:

Preproduction code:

- 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. Reference:

<https://medium.com/@patrickporto/4-branching-workflows-for-git-30d0aaee7bf>

NEW QUESTION 139

- (Exam Topic 2)

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 142

- (Exam Topic 2)

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 146

- (Exam Topic 2)

You are creating a container for an ASP.NET Core app.

You need to create a Dockerfile file to build the image. The solution must ensure that the size of the image is minimized.

How should you configure the file? To answer, drag the appropriate values to the correct targets. Each value must 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
dotnet publish -c Release -o out	FROM <input type="text"/> As build-env
dotnet restore	COPY . /app/
microsoft/dotnet:2.2-aspnetcore-runtime	WORKDIR /app
Microsoft/dotnet:2.2-sdk	RUN <input type="text"/>
	FROM <input type="text"/>
	COPY --from=build-env /app/out /app
	WORKDIR /app
	ENTRYPOINT ["dotnet", "MvcMovie.dll"]

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: microsoft.com/dotnet/sdk:2.3

The first group of lines declares from which base image we will use to build our container on top of. If the local system does not have this image already, then docker will automatically try and fetch it. The mcr.microsoft.com/dotnet/core/sdk:2.1 comes packaged with the .NET core 2.1 SDK installed, so it's up to the task of building ASP .NET core projects targeting version 2.1

Box 2: dotnet restore

The next instruction changes the working directory in our container to be /app, so all commands following this one execute under this context.

COPY *.csproj ./ RUN dotnet restore

Box 3: microsoft.com/dotnet/2.2-aspnetcore-runtime

When building container images, it's good practice to include only the production payload and its dependencies in the container image. We don't want the .NET core SDK included in our final image because we only need the .NET core runtime, so the dockerfile is written to use a temporary container that is packaged with the SDK called build-env to build the app.

Reference:

<https://docs.microsoft.com/de-DE/virtualization/windowscontainers/quick-start/building-sample-app>

NEW QUESTION 149

- (Exam Topic 2)

You use Azure Artifacts to host NuGet packages that you create.

You need to make one of the packages available to anonymous users outside your organization. The solution must minimize the number of publication points.

What should you do?

- A. Create a new feed for the package
- B. Publish the package to a public NuGet repository.
- C. Promote the package to a release view.
- D. Change the feed URL of the package.

Answer: A

Explanation:

Azure Artifacts introduces the concept of multiple feeds that you can use to organize and control access to your packages.

Packages you host in Azure Artifacts are stored in a feed. Setting permissions on the feed allows you to share your packages with as many or as few people as your scenario requires.

Feeds have four levels of access: Owners, Contributors, Collaborators, and Readers. References:

<https://docs.microsoft.com/en-us/azure/devops/artifacts/feeds/feed-permissions?view=vsts&tabs=new-nav>

NEW QUESTION 154

- (Exam Topic 2)

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:

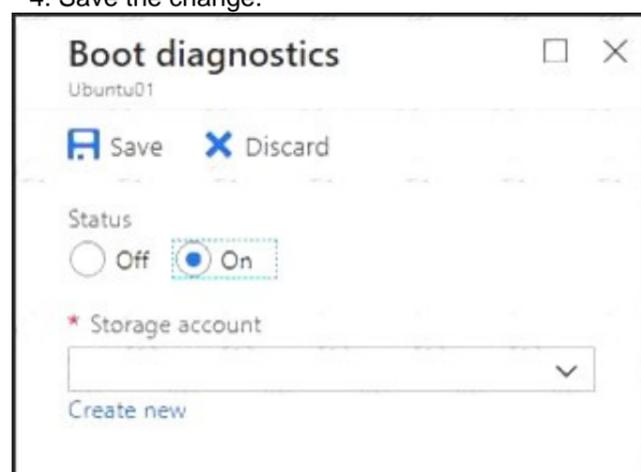
Step 1: To create a general-purpose v2 storage account in the Azure portal, follow these steps:

- > 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. Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-account-create> <https://docs.microsoft.com/en-us/azure/virtual-machines/troubleshooting/boot-diagnostics>

NEW QUESTION 159

- (Exam Topic 2)

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 164

- (Exam Topic 2)

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 166

- (Exam Topic 2)

Note: This question n 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 deployments fail if the approvals lake longer than two hours.

You need to ensure that the deployments only fail if the approvals take longer than eight hours.

Solution: From Pre-deployment conditions, you modify the Timeout setting for pre-deployment approvals. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Use a gate instead of an approval instead.

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

NEW QUESTION 170

- (Exam Topic 2)

You need to create a notification if the peak average response time of an Azure web app named

az400-9940427-main is more than five seconds when evaluated during a five-minute period. The notification must trigger the "https://contoso.com/notify" webhook.

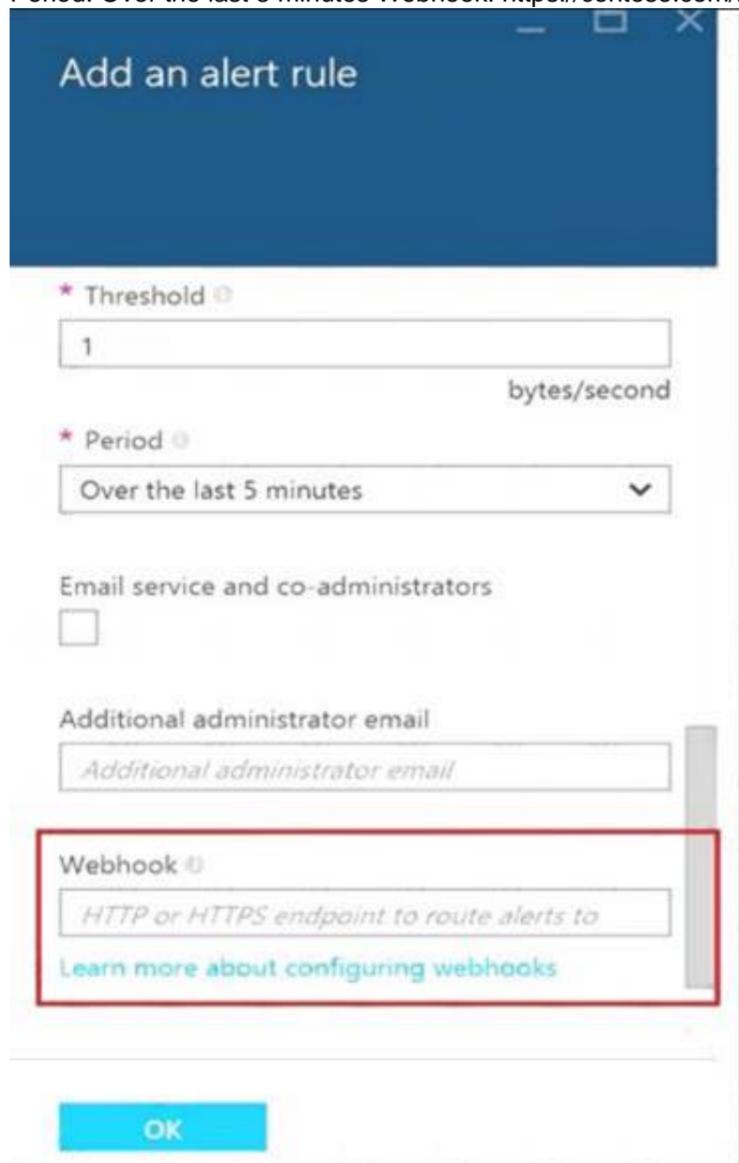
To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * 1. Open Microsoft Azure Portal
 - * 2. Log into your Azure account and go to App Service and look under Monitoring then you will see Alert.
 - * 3. Select Add an alert rule
 - * 4. Configure the alert rule as per below and click Ok. Source: Alert on Metrics
- Resource Group: az400-9940427-main Resource: az400-9940427-main Threshold: 5
Period: Over the last 5 minutes Webhook: <https://contoso.com/notify>



References:

<https://azure.microsoft.com/es-es/blog/webhooks-for-azure-alerts/>

NEW QUESTION 171

- (Exam Topic 2)

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 the build pipeline to use a Hosted VS 2017 agent pool. Include the Java Tool Installer task in the build pipeline.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead use Octopus Tentacle. References:

<https://explore.emtecinc.com/blog/octopus-for-automated-deployment-in-devops-models>

NEW QUESTION 176

- (Exam Topic 2)

Your company plans to use an agile approach to software development.

You need to recommend an application to provide communication between members of the development team who work in locations around the world. The applications must meet the following requirements:

- > Provide the ability to isolate the members of different project teams into separate communication channels and to keep a history of the chats within those channels.
- > Be available on Windows 10, Mac OS, iOS, and Android operating systems.
- > Provide the ability to add external contractors and suppliers to projects.
- > Integrate directly with Azure DevOps. What should you recommend?

- A. Microsoft Project
- B. Bamboo

- C. Microsoft Lync
- D. Microsoft Teams

Answer: D

Explanation:

- > Within each team, users can create different channels to organize their communications by topic. Each channel can include a couple of users or scale to thousands of users.
- > Microsoft Teams works on Android, iOS, Mac and Windows systems and devices. It also works in Chrome, Firefox, Internet Explorer 11 and Microsoft Edge web browsers.
- > The guest-access feature in Microsoft Teams allows users to invite people outside their organizations to join internal channels for messaging, meetings and file sharing. This capability helps to facilitate business-to-business project management.
- > Teams integrates with Azure DevOps.

References: <https://searchunifiedcommunications.techtarget.com/definition/Microsoft-Teams>

NEW QUESTION 181

- (Exam Topic 2)

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.

- 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.

Reference:

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

NEW QUESTION 186

- (Exam Topic 2)

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 189

- (Exam Topic 2)

Your company plans to use an agile approach to software development

You need to recommend an application to provide communication between members of the development team who work in locations around the world. The application must meet the following requirements:

- Provide the ability to isolate the members of efferent project teams into separate communication channels and to keep a history of the chats within those channels.
- Be available on Windows 10, Mac OS, iOS, and Android operating systems.
- Provide the ability to add external contractors and suppliers to projects.
- Integrate directly with Azure DevOps. What should you recommend?

- A. Octopus
- B. Bamboo
- C. Microsoft Project
- D. Slack

Answer: D

Explanation:

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

Integrated with Azure DevOps

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

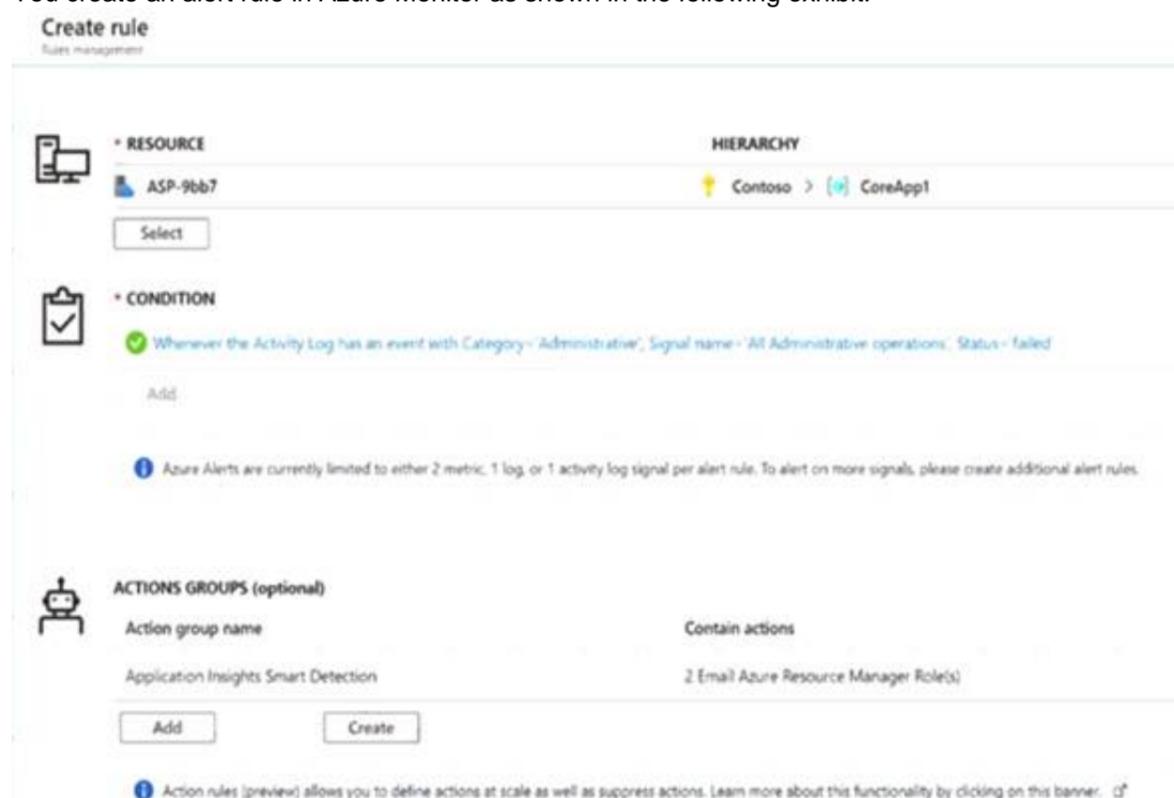
Note: Microsoft Teams would also be a correct answer, but it is not an option here. References:

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

NEW QUESTION 192

- (Exam Topic 2)

You create an alert rule in Azure Monitor as shown in the following exhibit.



Which action will trigger an alert?

- A. a failed attempt to delete the ASP-9bb7 resource
- B. a change to a role assignment for the ASP-9bb7 resource
- C. a successful attempt to delete the ASP-9bt>7 resource
- D. a failed attempt to scale up the ASP-9bb7 resource

Answer: A

NEW QUESTION 196

- (Exam Topic 2)

Your company is concerned that when developers introduce open source libraries, it creates licensing compliance issues.

You need to add an automated process to the build pipeline to detect when common open source libraries are added to the code base.

What should you use?

- A. Microsoft Visual SourceSafe
- B. PDM
- C. WhiteSource
- D. OWASP ZAP

Answer: C

Explanation:

WhiteSource is the leader in continuous open source software security and compliance management. WhiteSource integrates into your build process, irrespective of your programming languages, build tools, or development environments. It works automatically, continuously, and silently in the background, checking the security, licensing, and quality of your open source components against WhiteSource constantly-updated denitive database of open source repositories.

Azure DevOps integration with WhiteSource Bolt will enable you to:

- > Detect and remedy vulnerable open source components.

- > Generate comprehensive open source inventory reports per project or build.
- > Enforce open source license compliance, including dependencies' licenses.
- > Identify outdated open source libraries with recommendations to update.

References: <https://www.azuredevopslabs.com/labs/vstsextend/WhiteSource/>

NEW QUESTION 199

- (Exam Topic 3)

You need to configure Azure Automation for the computers in Pool7.

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

Actions

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

>

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Answer Area

- 1
- 2
- 3

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- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

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

>

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Answer Area

- 1 Create a Desired State Configuration (DSC) configuration file that has an extension of .ps1.
- 2 Run the Import-AzureRmAutomationDscConfiguration Azure PowerShell cmdlet.
- 3 Run the Start-AzureRmAutomationDscCompilationJob Azure PowerShell cmdlet.

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NEW QUESTION 200

- (Exam Topic 3)

You add the virtual machines as managed nodes in Azure Automation State Configuration. You need to configure the computer in Group7.

What should you do?

- A. Run the Register-AzureRmAutomationDscNode Azure Powershell cmdlet.
- B. Modify the ConfigurationMode property of the Local Configuration Manager (LCM).
- C. Install PowerShell Core.
- D. Modify the RefreshMode property of the Local Configuration Manager (LCM).

Answer: A

Explanation:

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

Scenario: The Azure DevOps organization includes: The Docker extension

A deployment pool named Pool7 that contains 10 Azure virtual machines that run Windows Server 2016

Project 7	Project7 will contain a target deployment group named Group7 that maps to Pool7. Project7 will use Azure Automation State Configuration to maintain the desired state of the computers in Group7.
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References:

<https://docs.microsoft.com/en-us/powershell/module/azurermsautomation/register-azurermsautomationsscnode>

NEW QUESTION 202

- (Exam Topic 3)

You need to implement the code flow strategy for Project2 in 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 in the correct order.

Actions	Answer Area
Create a fork	
Create a branch	
Add a build validation policy.	⬅
Add a build policy	➡
Create a repository	⬆
Add an application access policy.	⬇

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Create a repository

A Git repository, or repo, is a folder that you've told Git to help you track file changes in. You can have any number of repos on your computer, each stored in their own folder.

Step 2: Create a branch

Branch policies help teams protect their important branches of development. Policies enforce your team's code quality and change management standards.

Step 3: Add a build validation policy

When a build validation policy is enabled, a new build is queued when a new pull request is created or when changes are pushed to an existing pull request targeting this branch. The build policy then evaluates the results of the build to determine whether the pull request can be completed.

Scenario:

Implement a code flow strategy for Project2 that will: Enable Team2 to submit pull requests for Project2.

Enable Team2 to work independently on changes to a copy of Project2.

Ensure that any intermediary changes performed by Team2 on a copy of Project2 will be subject to the same restrictions as the ones defined in the build policy of Project2.

Project2 will use an automatic build policy. A small team of developers named Team2 will work independently on changes to the project. The Team2 members will not have permissions to Project2.

References: <https://docs.microsoft.com/en-us/azure/devops/repos/git/manage-your-branches>

NEW QUESTION 203

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