

Exam Questions AZ-400

Microsoft Azure DevOps Solutions (beta)

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



NEW QUESTION 1

- (Exam Topic 1)

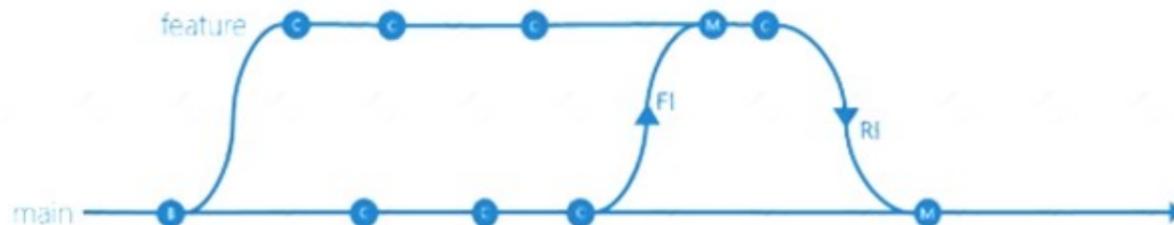
Which branching strategy should you recommend for the investment planning applications suite?

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

Answer: C

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 2

- (Exam Topic 1)

Where should the build and release agents for the investment planning application suite run? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Build agent: A hosted service
 A source control system
 The developers' computers

Release agent: A hosted service
 A source control system
 The developers' computers

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: A source control system

A source control system, also called a version control system, allows developers to collaborate on code and track changes. Source control is an essential tool for multi-developer projects.

Box 2: A hosted service

To build and deploy Xcode apps or Xamarin.iOS projects, you'll need at least one macOS agent. If your pipelines are in Azure Pipelines and a Microsoft-hosted agent meets your needs, you can skip setting up a self-hosted macOS agent.

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

References:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/v2-osx?view=azure-devops>

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)

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 prefect in Azure DevOps for a new web application. You need to ensure that when code is checked in, a build runs automatically.

Solution: from the Triggers tab of the build pipeline, you select Enable continuous integration Does the meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

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

NEW QUESTION 6

- (Exam Topic 2)

You plan to onboard 10 new developers.

You need to recommend a development environment that meets the following requirements:

- > Integrates with GitHub
- > Provides integrated debugging tools
- > Supports remote workers and hot-desking environments
- > Supports developers who use browsers, tablets, and Chromebooks What should you recommend?

- A. VS Code
- B. Xamarin Studio
- C. MonoDevelop
- D. Visual Studio Codespaces

Answer: D

Explanation:

Visual Studio Codespaces is built to accommodate the widest variety of projects or tasks, including GitHub and integrating debugging.

Visual Studio Codespaces conceptually and technically extends the Visual Studio Code Remote Development extensions.

In addition to "backend" environments, Visual Studio Codespaces supports these "frontend" editors:

- > Visual Studio Code
- > Visual Studio Code-based editor in the browser Reference:

<https://docs.microsoft.com/sv-se/visualstudio/codespaces/overview/what-is-vsonline>

NEW QUESTION 7

- (Exam Topic 2)

As part of your application build process, you need to deploy a group of resources to Azure by using an Azure Resource Manager template located on GitHub.

Which three action 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.

The screenshot shows an exam interface with two main sections: 'Actions' and 'Answer Area'. The 'Actions' list contains five items: 'Create a package.', 'Add an Azure Resource Group Deployment task.', 'Create a job agent.', 'Create a release pipeline.', and 'Set the template parameters.'. Below the list is a right-pointing arrow button. The 'Answer Area' is currently empty.

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Step 1: Create a release pipeline You need to create a new pipeline.

You can integrate Azure Resource Manager templates (ARM templates) with Azure Pipelines for continuous integration and continuous deployment (CI/CD).

Step 2: Add an Azure Resource Group Deployment task

Step 3: Set the template parameters

Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/add-template-to-azure-pipelines>

NEW QUESTION 8

- (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 9

- (Exam Topic 2)

Note: This question is part of * 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 sett might have more than one correct solution, while others might not have a correct solution.

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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 poky stating that approvals must occur within eight hour.

You discover that deployments 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 Time between re-evaluation of gates option. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Use a gate From Pre-deployment conditions instead.

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

NEW QUESTION 10

- (Exam Topic 2)

Your company uses Azure DevOps for Git source control.

You have a project in Azure DevOps named Contoso App that contains the following repositories:

- > <https://dev.azure.com/contoso/contoso-app/core-api>
- > <https://dev.azure.com/contoso/contoso-app/core-spa>
- > <https://dev.azure.com/contoso/contoso-app/core-db>

You need to ensure that developers receive Slack notifications when there are pull requests created for Contoso App.

What should you run in Slack? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

/azrepos

feedback	https://dev.azure.com/contoso/contoso-app
signin	https://dev.azure.com/contoso/contoso-app/core-api
subscribe	https://dev.azure.com/contoso/contoso-app/core-db
subscriptions	https://dev.azure.com/contoso/contoso-app/core-spa

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: subscribe

To start monitoring all Git repositories in a project, use the following slash command inside a channel:

/azrepos subscribe [project url]

Box 2: https://dev.azure.com/contoso/contoso-app

You can also monitor a specific repository using the following command:

/azrepos subscribe [repository url]

The repository URL can be to any page within your repository that has your repository name. For example, for Git repositories, use:

/azrepos subscribe https://dev.azure.com/myorg/myproject/_git/myrepository Reference:

<https://docs.microsoft.com/en-us/azure/devops/repos/integrations/repos-slack>

NEW QUESTION 10

- (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 11

- (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 14

- (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.

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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 18

- (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 create a release pipeline that will deploy Azure resources by using Azure Resource Manager templates. The release pipeline will create the following resources:

- > Two resource groups
- > Four Azure virtual machines in one resource group
- > Two Azure SQL databases in other resource group

You need to recommend a solution to deploy the resources.

Solution: Create two standalone templates, each of which will deploy the resources in its respective group. Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

References: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-linked-templates>

NEW QUESTION 23

- (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 24

- (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 28

- (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.

Actions

Run the git commit command.

Run the git rebase expire command.

Run the git add .gitignore command.

Add Config.json to the .gitignore file.

Delete and recreate the repository.

Answer Area

>
<

↑
↓

- 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 30

- (Exam Topic 2)

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

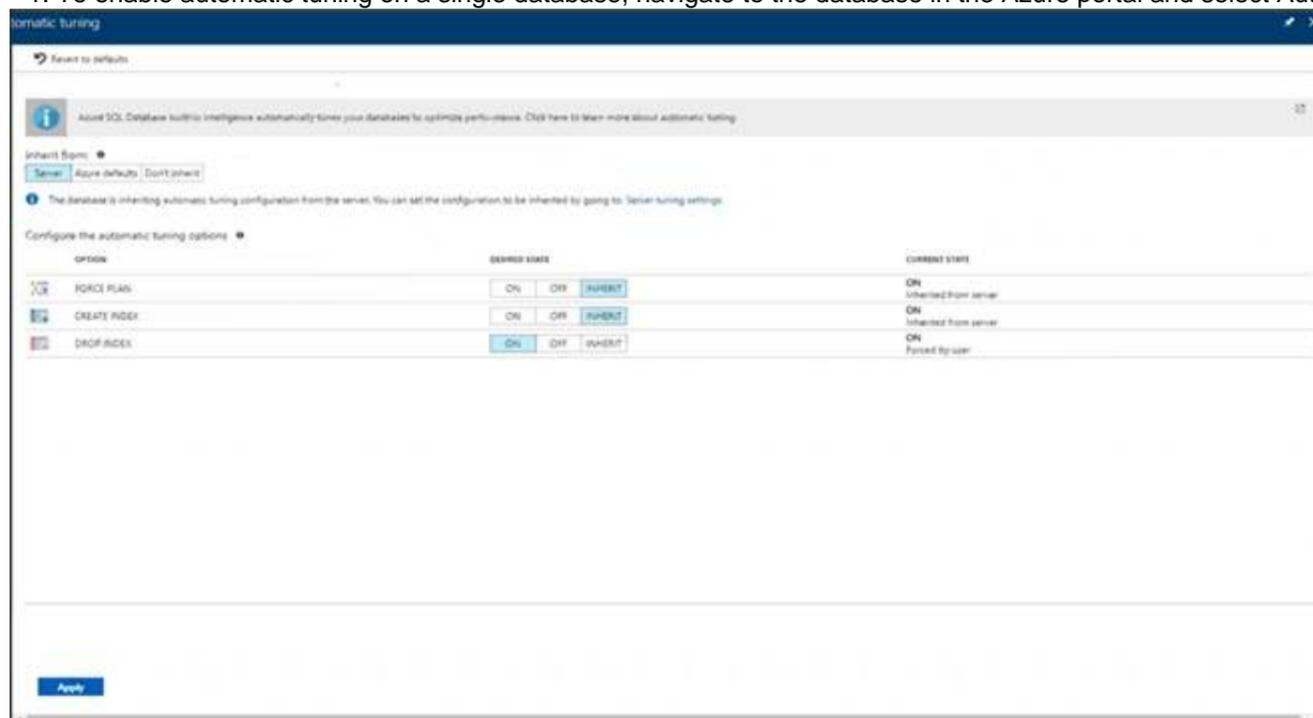
You need to ensure that queries to db1 are tuned by Azure over time. The solution must only apply to db1. To complete this task, sign in to the Microsoft Azure portal.

- 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 32

- (Exam Topic 2)

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.

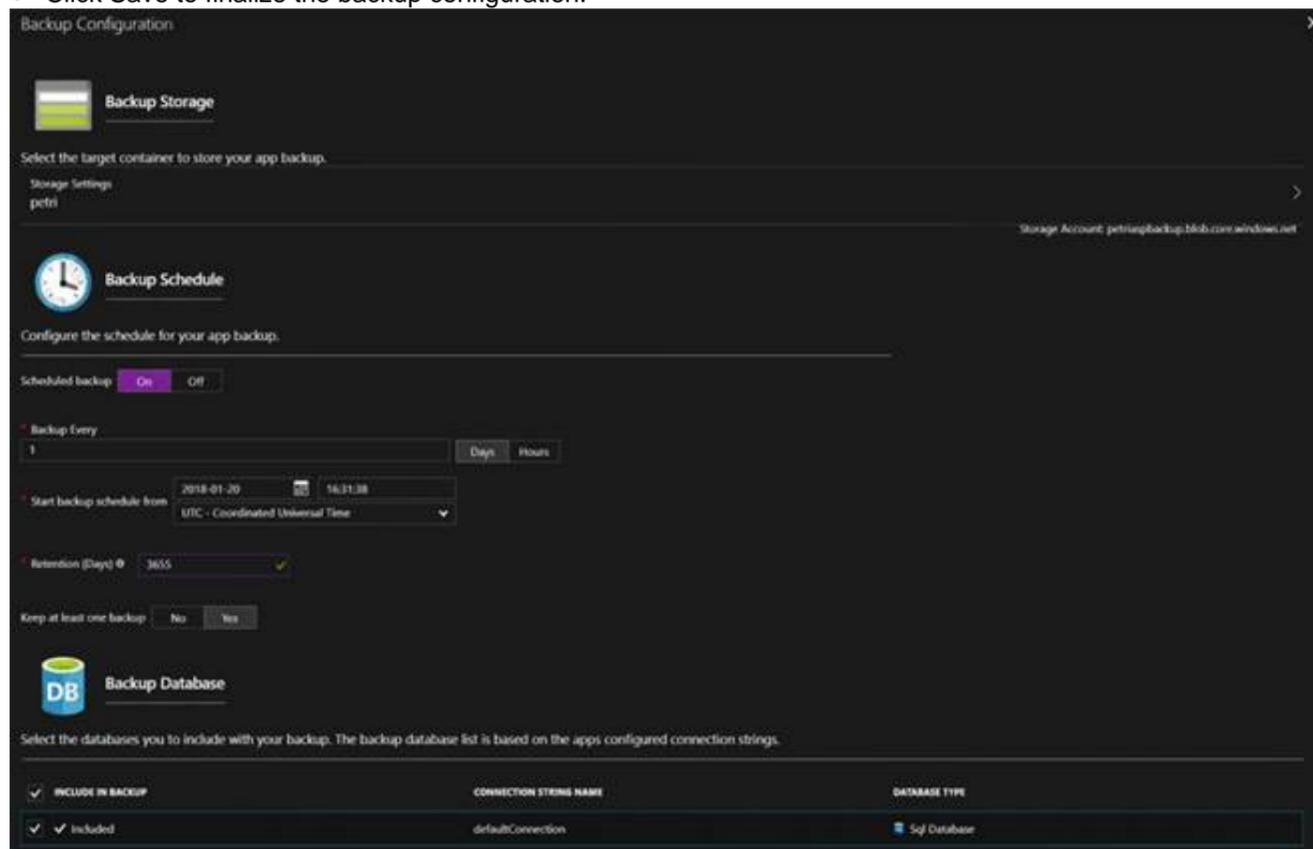
- A. Mastered
- B. Not Mastered

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.
- > 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.



Reference:

<https://petri.com/backing-azure-app-service>

NEW QUESTION 33

- (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 35

- (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 37

- (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 38

- (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 43

- (Exam Topic 2)

Your company has an Azure subscription.

The company requires that all resource group in the subscription have a tag named organization set to a value of Contoso.

You need to implement a policy to meet the tagging requirement.

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

```

{
  "policyRule": {
    "if": {
      "allOf": [
        {
          "field": "type",
          "equals": "Microsoft.Resources/deployments"
        },
        {
          "not": {
            "field": "tags['organization']",
            "equals": "Contoso"
          }
        }
      ]
    },
    "then": {
      "effect": "Deny",
      "details": [
        {
          "field": "tags['organization']",
          "value": "Contoso"
        }
      ]
    }
  }
}

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: " Microsoft.Resources/subscriptions/resourceGroups" Box 2: "Deny",
 Sample - Enforce tag and its value on resource groups

```

},
"policyRule": { "if": {
"allOf": [
{
"field": "type",
"equals": "Microsoft.Resources/subscriptions/resourceGroups"
},
{
"not": {
"field": "[concat('tags['tagName'], ')]", "equals": "[parameters('tagValue')]"
}
}
]
},
"then": {
"effect": "deny"
}
}
}
}
}

```

References:

<https://docs.microsoft.com/en-us/azure/governance/policy/samples/enforce-tag-on-resource-groups>

NEW QUESTION 46

- (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.

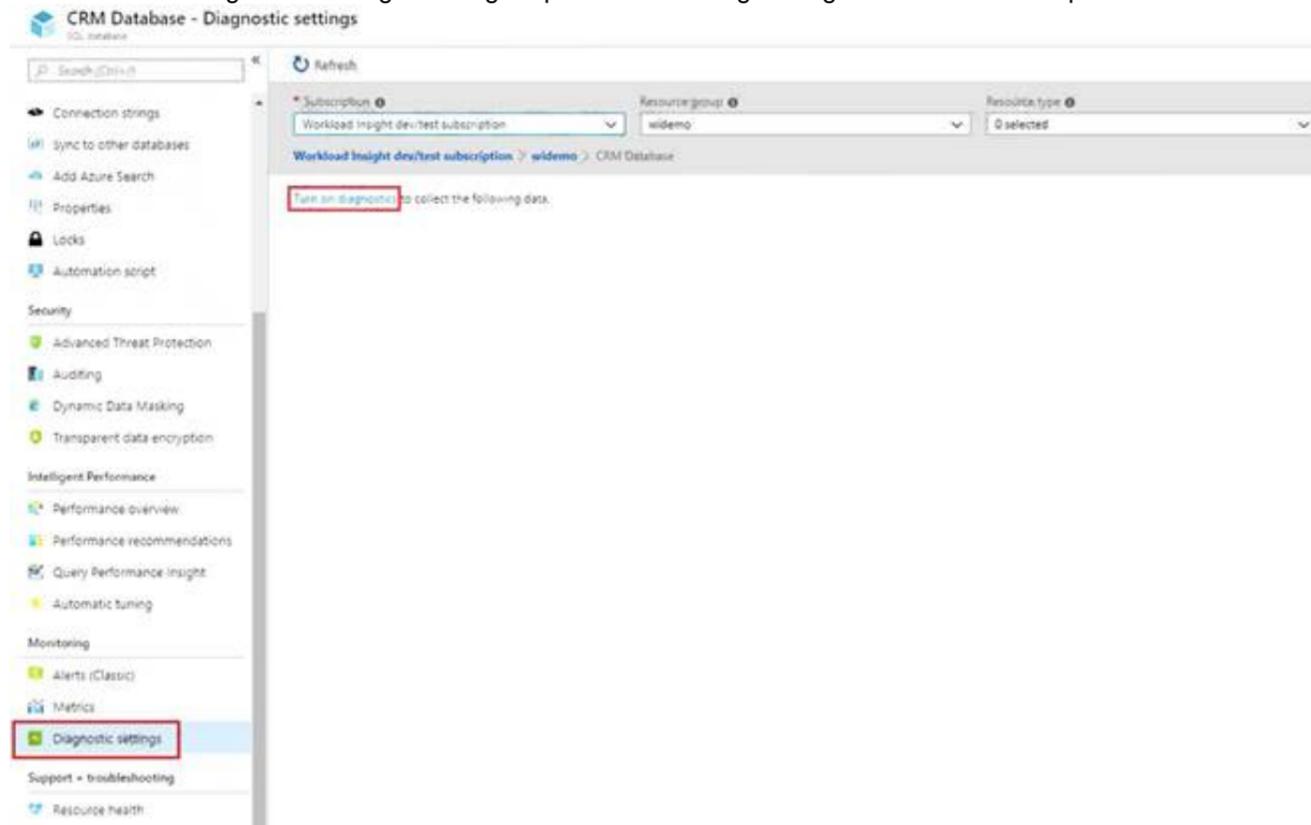
- A. Mastered
- B. Not Mastered

Answer: A

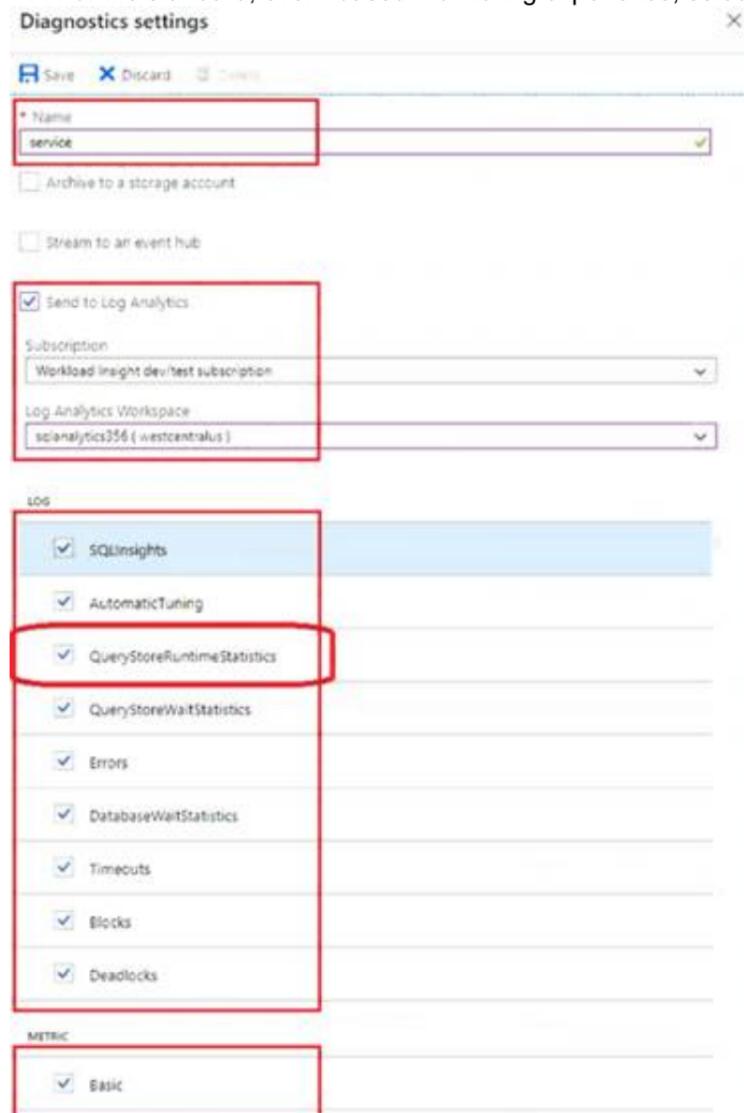
Explanation:

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 50

- (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.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 54

- (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 56

- (Exam Topic 2)

You use a Git repository in Azure Repos to manage the source code of a web application. Developers commit changes directly to the master branch.

You need to implement a change management procedure that meets the following requirements: The master branch must be protected, and new changes must be built in the feature branches first. Changes must be reviewed and approved by at least one release manager before each merge. Changes must be brought into the master branch by using pull requests.

What should you configure in Azure Repos? D18912E1457D5D1DDCBD40AB3BF70D5D

- A. branch policies of the master branch
- B. Services in Project Settings
- C. Deployment pools in Project Settings
- D. branch security of the master branch

Answer: A

Explanation:

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

Reference:

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

NEW QUESTION 61

- (Exam Topic 2)

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 65

- (Exam Topic 2)

You need to prepare a network security group (NSG) named az400-9940427-nsg1 to host an Azure DevOps pipeline agent. The solution must allow only the required outbound port for Azure DevOps and deny all other inbound and outbound access to the Internet.

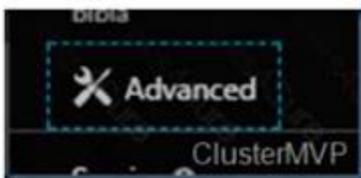
To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * 1. Open Microsoft Azure Portal and Log into your Azure account.
- * 2. Select network security group (NSG) named az400-9940427-nsg1
- * 3. Select Settings, Outbound security rules, and click Add
- * 4. Click Advanced



* 5. Change the following settings:

- > Destination Port range: 8080
- > Protocol: TCP
- > Action: Allow

Note: By default, Azure DevOps Server uses TCP Port 8080. References:

<https://robertsmit.wordpress.com/2017/09/11/step-by-step-azure-network-security-groups-nsg-security-center-az> <https://docs.microsoft.com/en-us/azure/devops/server/architecture/required-ports?view=azure-devops>

NEW QUESTION 66

- (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.

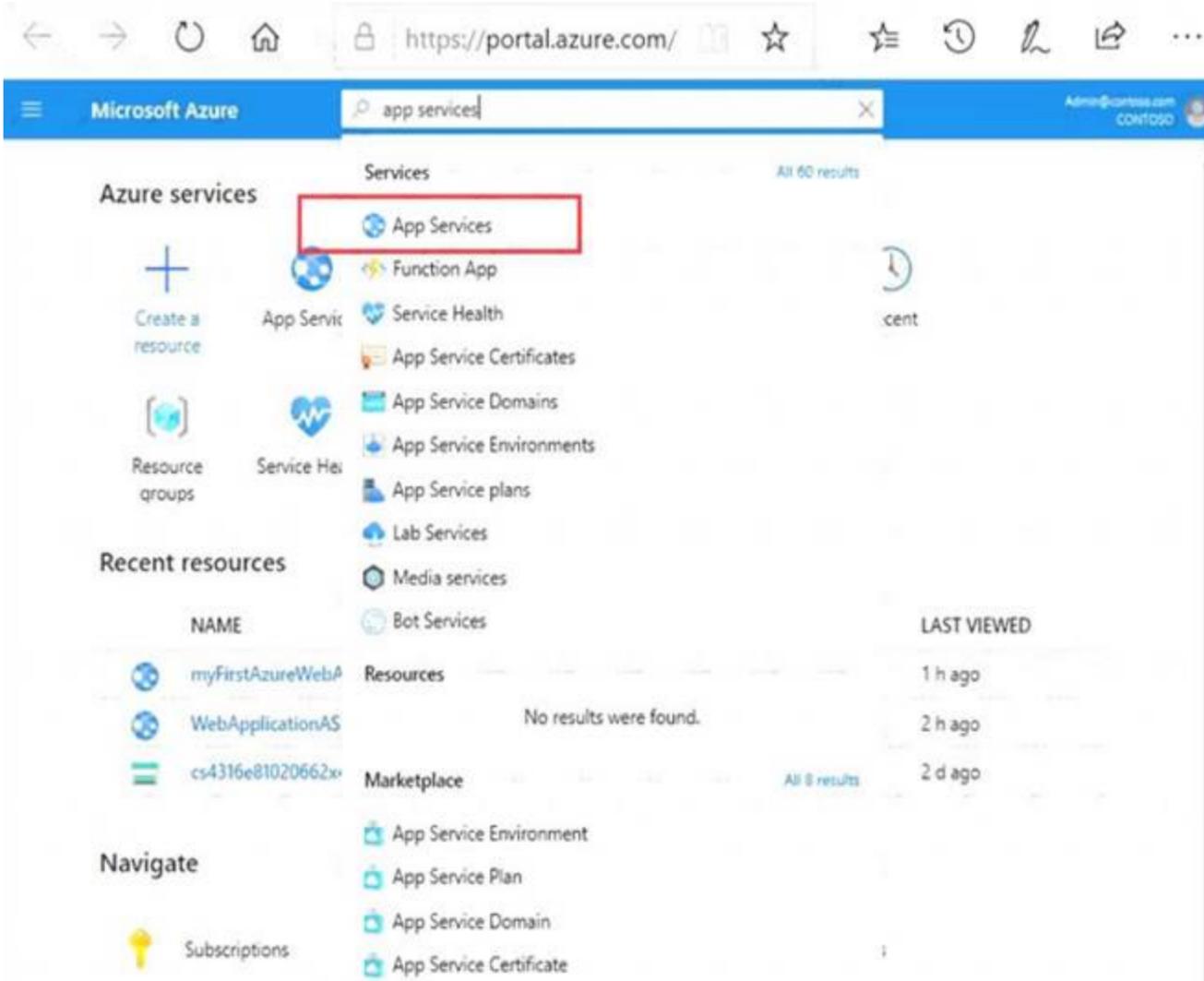
- A. Mastered
- B. Not Mastered

Answer: A

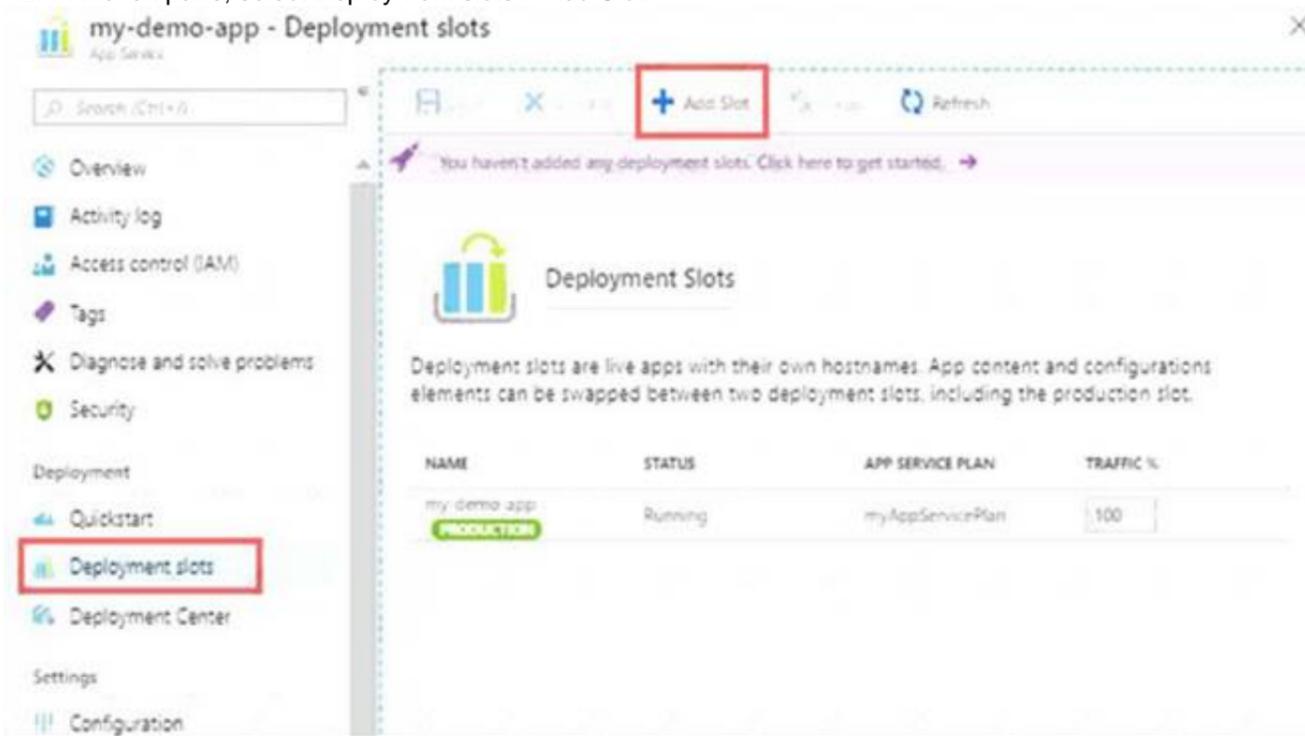
Explanation:

Add a slot

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



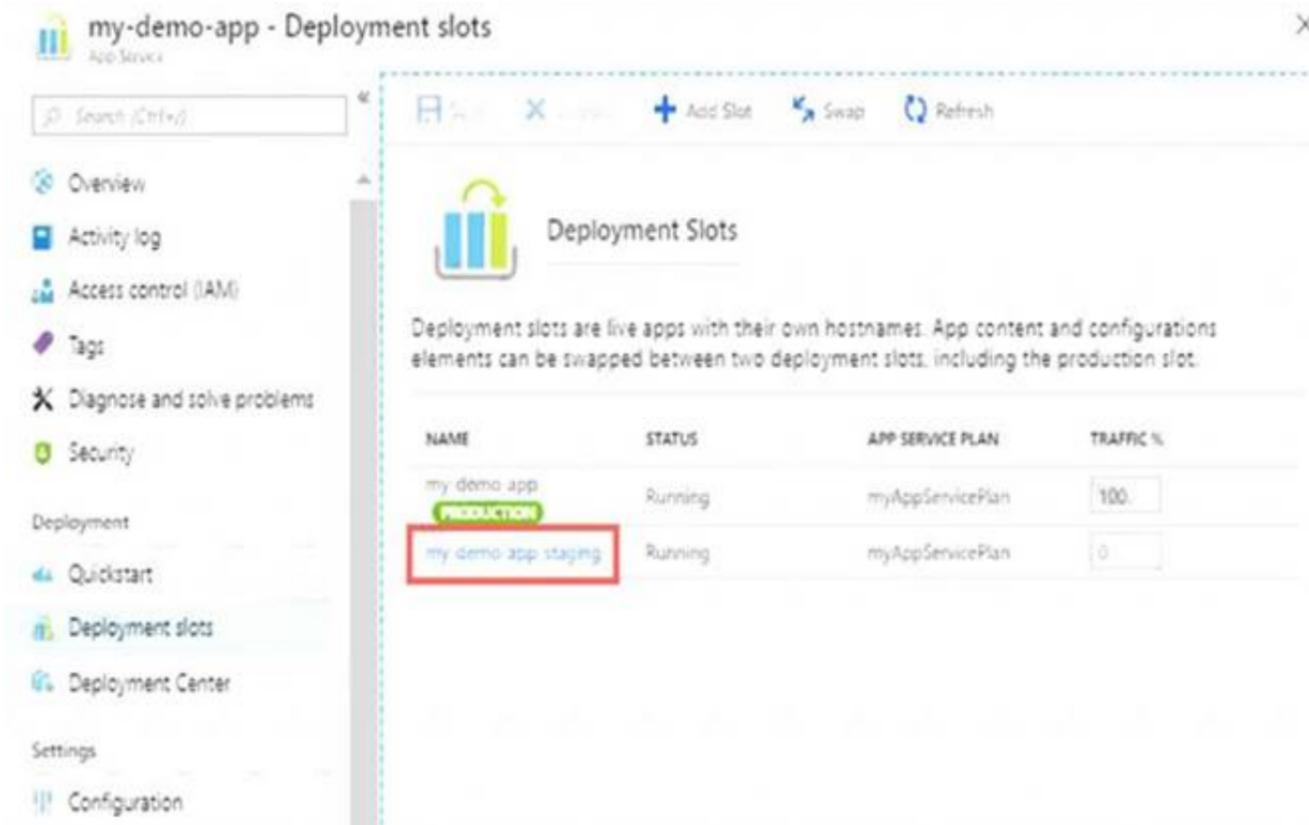
* 2. In the left pane, select Deployment slots > Add Slot.



* 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 68

- (Exam Topic 2)

You need to configure GitHub to use Azure Active Directory (Azure AD) for authentication. What should you do first?

- A. Create a conditional access policy in Azure AD.
- B. Modify the Security settings of the GitHub organization.
- C. Create an Azure Active Directory B2C (Azure AD B2C) tenant.
- D. Register GitHub in Azure AD.

Answer: D

Explanation:

When you connect to a Git repository from your Git client for the first time, the credential manager prompts for credentials. Provide your Microsoft account or Azure AD credentials.

Note: Git Credential Managers simplify authentication with your Azure Repos Git repositories. Credential managers let you use the same credentials that you use for the Azure DevOps Services web portal. Credential managers support multi-factor authentication through Microsoft account or Azure Active Directory (Azure AD). Besides supporting multi-factor authentication with Azure Repos, credential managers also support two-factor authentication with GitHub repositories.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/repos/git/set-up-credential-managers>

NEW QUESTION 69

- (Exam Topic 2)

You manage build and release pipelines by using Azure DevOps. Your entire managed environment resides in Azure.

You need to configure a service endpoint for accessing Azure Key Vault secrets. The solution must meet the following requirements:

- > Ensure that the secrets are retrieved by Azure DevOps.
- > Avoid persisting credentials and tokens in Azure DevOps.

How should you configure the service endpoint? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Service connection type:

▼
Azure Resource Manager
Generic service
Team Foundation Server / Azure Pipelines service connection

Authentication/authorization method for the connection:

▼
Azure Active Directory OAuth 2.0
Grant authorization
Managed Service Identity Authentication

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Pipelines service connection

Box 2: Managed Service Identity Authentication

The managed identities for Azure resources feature in Azure Active Directory (Azure AD) provides Azure services with an automatically managed identity in Azure AD. You can use the identity to authenticate to any service that supports Azure AD authentication, including Key Vault, without any credentials in your code.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/deploy/azure-key-vault> <https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

NEW QUESTION 70

- (Exam Topic 2)

You need to recommend project metrics for dashboards in Azure DevOps.

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

Chart Widgets	Answer Area
Burndown	The elapsed time from the creation of work items to their completion:
Cycle Time	
Lead Time	The elapsed time to complete work items once they are active:
Velocity	The remaining work:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Lead time

Lead time measures the total time elapsed from the creation of work items to their completion.

Box 2: Cycle time

Cycle time measures the time it takes for your team to complete work items once they begin actively working on them.

Box 3: Burndown

Burndown charts focus on remaining work within a specific time period.

NEW QUESTION 73

- (Exam Topic 2)

You use Azure Pipelines to manage the build and deployment of apps.

You are planning the release strategies for a new app. You need to choose strategies for the following scenarios:

- Releases will be made available to users who are grouped by their tolerance for software faults.
- Code will be deployed to enable functionality that will be available in later releases of the app.
- When a new release occurs, the existing deployment will remain active to minimize recovery time if a return to the previous version is required.

Answer Area

Releases will be made available to users who are grouped by their tolerance for software faults:	Progressive exposure Blue/green Feature flags
Code will be deployed to enable functionality that will be available in later releases of the app:	Progressive exposure Blue/green Feature flags
When a new release occurs, the existing deployment will remain active to minimize recovery time if a return to the previous version is required:	Progressive exposure Blue/green Feature flags

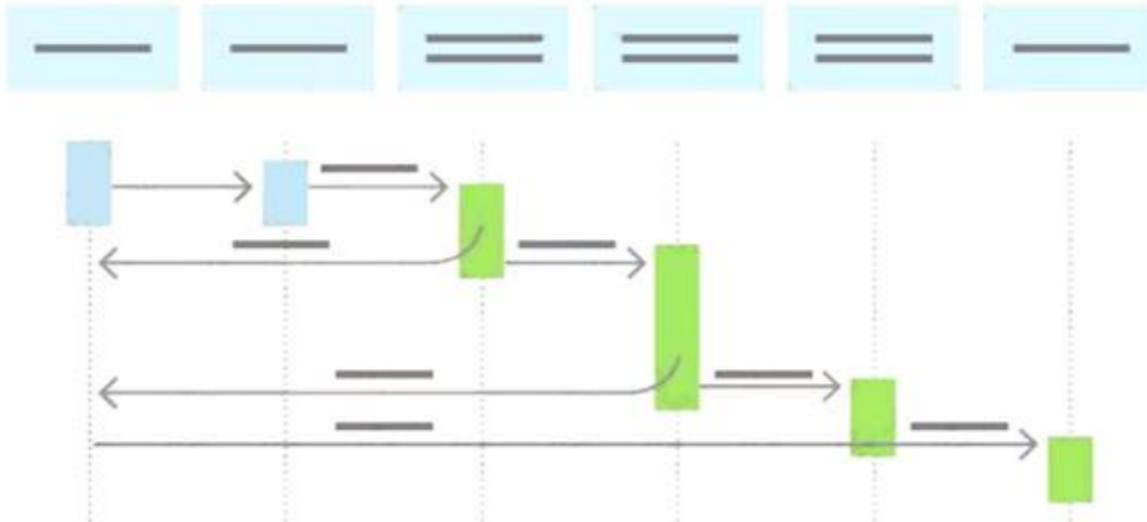
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Progressive exposure

Continuous Delivery may sequence multiple deployment “rings” for progressive exposure (also known as “controlling the blast radius”). Progressive exposure groups users who get to try new releases to monitor their experience in “rings.” The first deployment ring is often a “canary” used to test new versions in production before a broader rollout. CD automates deployment from one ring to the next and may optionally depend on an approval step, in which a decision maker signs off on the changes electronically. CD may create an auditable record of the approval in order to satisfy regulatory procedures or other control objectives.



Box 2: Feature flags

Feature flags support a customer-first DevOps mindset, to enable (expose) and disable (hide) features in a solution, even before they are complete and ready for release.

Box 3: Blue/green

Blue/green deployments which means that instead of replacing the previous version (here we refer to this version as blue), we bring up the new version (here referred to as the green version) next to the existing version, but not expose it to the actual users right away. On the condition of having successfully validated that the green version works correctly, we will promote this version to the public version by changing the routing configuration without downtime. If something is wrong with the green version we can revert back without users every noticing interruptions.

Reference:

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

<https://medium.com/@denniszielke/continuous-kubernetes-blue-green-deployments-on-azure-using-nginx-appg>

NEW QUESTION 74

- (Exam Topic 2)

Your company builds a multi tier web application.

>You use Azure DevOps and host the production application on Azure virtual machines.

Your team prepares an Azure Resource Manager template of the virtual machine that you will use to test new features.

You need to create a staging environment in Azure that meets the following requirements:

- Minimizes the cost of Azure hosting
- Provisions the virtual machines automatically
- Use* the custom Azure Resource Manager template to provision the virtual machines What should you do?

- A. In Azure DevOps, configure new tasks in the release pipeline to create and delete the virtual machines in Azure DevTest Labs.
- B. From Azure Cloud Shell, run Azure PowerShell commands to create and delete the new virtual machines in a staging resource group.
- C. In Azure DevOps, configure new tasks in the release pipeline to deploy to Azure Cloud Services.
- D. In Azure Cloud Shell, run Azure CLI commands to create and delete the new virtual machines in a staging resource group.

Answer: A

Explanation:

You can use the Azure DevTest Labs Tasks extension that's installed in Azure DevOps to easily integrate your CI/CD build-and-release pipeline with Azure DevTest Labs. The extension installs three tasks:

- > Create a VM
- > Create a custom image from a VM
- > Delete a VM

The process makes it easy to, for example, quickly deploy a "golden image" for a specific test task and then delete it when the test is finished.

References: <https://docs.microsoft.com/en-us/azure/lab-services/devtest-lab-integrate-ci-cd-vsts>

NEW QUESTION 77

- (Exam Topic 2)

Your company has an Azure DevOps project,

The source code for the project is stored in an on-premises repository and uses on an on-premises build server.

You plan to use Azure DevOps to control the build process on the build server by using a self-hosted agent. You need to implement the self-hosted agent.

You download and install the agent on the build server.

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

- A. From Azure, create a shared access signature (SAS).
- B. From the build server, create a certificate, and then upload the certificate to Azure Storage.
- C. From the build server, create a certificate, and then upload the certificate to Azure Key Vault.
- D. From DevOps, create a personal access token (PAT).
- E. From the build server, run config.cmd.

Answer: DE

Explanation:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/v2-windows?view=azure-devops> (Get PAT, run config)

NEW QUESTION 78

- (Exam Topic 2)

You are monitoring the health and performance of an Azure web app by using Azure Application Insights. You need to ensure that an alert is sent when the web app has a sudden rise in performance issues and failures. What should you use?

- A. Application Insights Profiler
- B. Continuous export
- C. Smart Detection
- D. custom events
- E. usage analysis

Answer: C

Explanation:

Smart Detection automatically warns you of potential performance problems and failure anomalies in your web application. It performs proactive analysis of the telemetry that your app sends to Application Insights. If there is a sudden rise in failure rates, or abnormal patterns in client or server performance, you get an alert.

Reference:

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

NEW QUESTION 82

- (Exam Topic 2)

You have a project in Azure DevOps named Project1. Project1 contains a build pipeline named Pipe1 that builds an application named Appl. You have an agent pool named Pool1 that contains a Windows Server 2019-based self-hosted agent. Pipe1 uses Pool1. You plan to implement another project named Project2. Project2 will have a build pipeline named Pipe2 that builds an application named App2. App1 and App2 have conflicting dependencies. You need to minimize the possibility that the two build pipelines will conflict with each other. The solution must minimize infrastructure costs. What should you do?

- A. Create two container jobs.
- B. Change the self-hosted agent to use Red Hat Enterprise Linux (RHEL) 8.
- C. Add another self-hosted agent
- D. Add a Docker Compose task to the build pipelines.

Answer: A

NEW QUESTION 86

- (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. SourceGear Vault
- B. Jenkins
- C. Microsoft Visual SourceSafe
- D. WhiteSource Bolt

Answer: D

Explanation:

WhiteSource provides WhiteSource Bolt, a lightweight open source security and management solution developed specifically for integration with Azure DevOps and Azure DevOps Server.

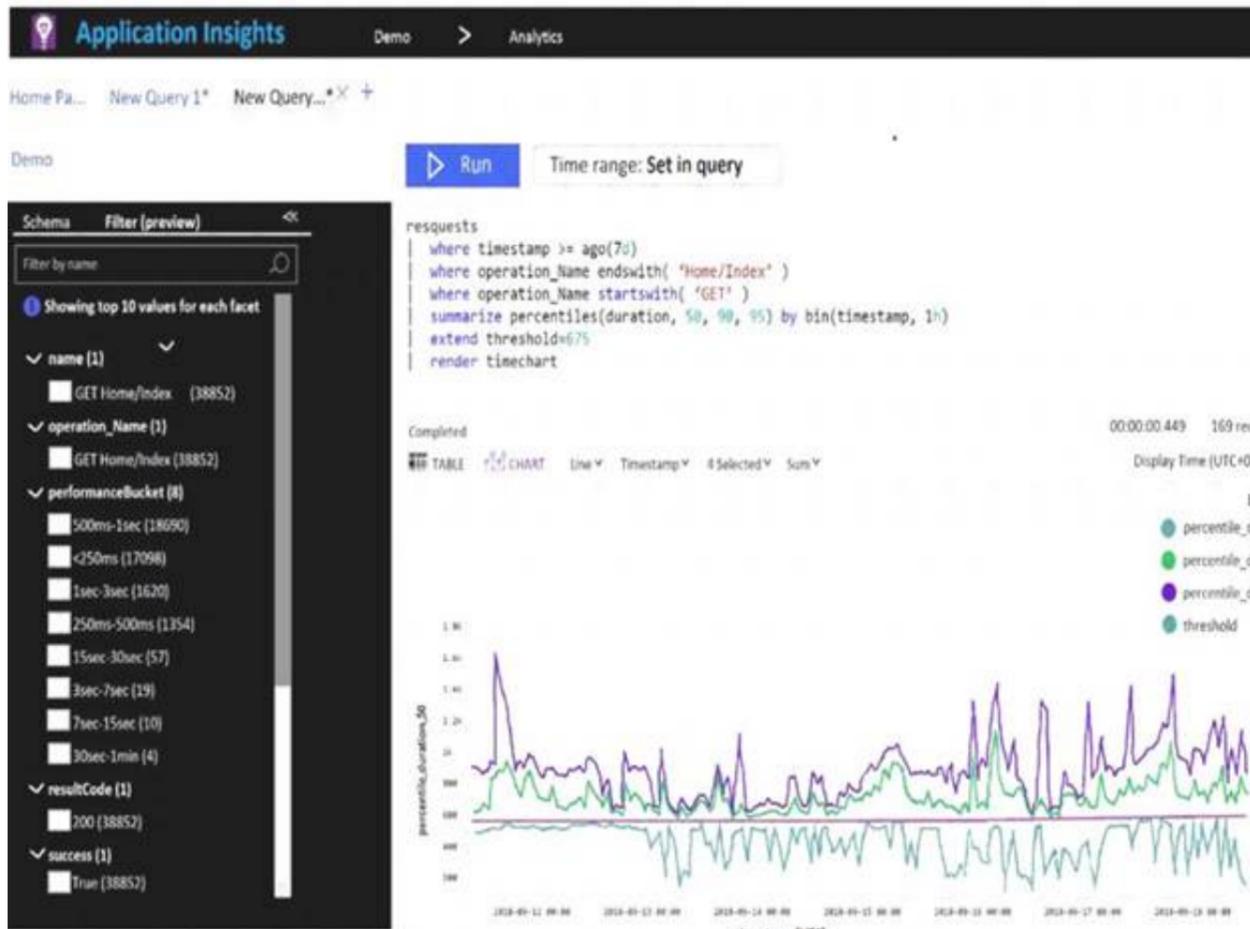
Note: WhiteSource is the leader in continuous open source software security and compliance management. WhiteSource integrates into your build process, irrespective of your programming languages, build tools, or development environments. It works automatically, continuously, and silently in the background,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

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

NEW QUESTION 87

- (Exam Topic 2)

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:

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. Reference:
<https://devblogs.microsoft.com/premier-developer/alerts-based-on-analytics-query-using-custom-log-search/>

NEW QUESTION 88

- (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 93

- (Exam Topic 2)

You have an Azure DevOps project that contains a build pipeline. The build pipeline uses approximately 50 open source libraries. You need to ensure that the project can be scanned for known security vulnerabilities in the open source libraries.

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

Object to create:

- A build task
- A deployment task
- An artifacts repository

Service to use:

- WhiteSource Bolt
- Bamboo
- CMake
- Chef

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: A Build task Trigger a build

You have a Java code provisioned by the Azure DevOps demo generator. You will use WhiteSource Bolt extension to check the vulnerable components present in this code.

- > Go to Builds section under Pipelines tab, select the build definition WhiteSourceBolt and click on Queue to trigger a build.
- > To view the build in progress status, click on ellipsis and select View build results.

Box 2: WhiteSource Bolt

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.

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

NEW QUESTION 98

- (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:

- Master
- Feature
- Develop

Preproduction code:

- Master
- Feature
- Develop

- 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 103

- (Exam Topic 2)

You have an application named App1 that has a custom domain of app.contoso.com. You create a test in Azure Application Insights as shown in the following exhibit.

Create test

^ Basic Information

* Test name

Learn more about configuring tests against applications hosted behind a firewall

Test type

* URL

Parse dependent requests

Enable retries for availability test failures.

Test frequency

^ Test locations
 4 location(s) configured

^ Success criteria

Test Timeout

HTTP response

Status code must equal

Content match

Content must contain

^ Alerts
 Enabled

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 test will execute [answer choice].

- every 30 seconds at a random location
- every 30 seconds per location
- every five minutes at a random location
- every five minutes per location

The test will pass if [answer choice] within 30 seconds.

- App1 responds to an ICMP ping
- the HTML of App1 and the HTML from URLs in <a> tags load
- all the HTML, JavaScripts, and images of App1 load

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: every five minutes at a random location

Test frequency: Sets how often the test is run from each test location. With a default frequency of five minutes and five test locations, your site is tested on average every minute.

Box 2:

Parse dependent requests: Test requests images, scripts, style files, and other files that are part of the web page under test. The recorded response time includes the time taken to get these files. The test fails if any of these resources cannot be successfully downloaded within the timeout for the whole test.

Reference:

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

NEW QUESTION 106

- (Exam Topic 2)

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 Microsoft Teams, run @azure pipelines subscriptions.
- C. From Azure Pipelines, enable continuous integration for Project1.
- D. From Azure Pipelines, add a Publish Build Artifacts task to 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 109

- (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 112

- (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 have an Azure DevOps project.

Your build process creates several artifacts.

You need to deploy the artifacts to on-premises servers.

Solution: You deploy a Docker build to an on-premises server. You add a Download Build Artifacts task to the deployment pipeline.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead you should deploy an Azure self-hosted agent to an on-premises server.

Note: To build your code or deploy your software using Azure Pipelines, you need at least one agent. If your on-premises environments do not have connectivity to a Microsoft-hosted agent pool (which is typically the case due to intermediate firewalls), you'll need to manually configure a self-hosted agent on on-premises computer(s).

References:

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

NEW QUESTION 116

- (Exam Topic 2)

You plan to create an image that will contain a .NET Core application.

You have a Dockerfile file that contains the following code. (Line numbers are included for reference only.)

```
01 FROM microsoft/dotnet:2.1-sdk
02 COPY ./
03 RUN dotnet publish -c Release -o out
04 FROM microsoft/dotnet:2.1-sdk
05 COPY --from=0 /out /
06 WORKDIR /
07 ENTRYPOINT ["dotnet", "appl.dll"]
```

You need to ensure that the image is as small as possible when the image is built. Which line should you modify in the file?

- A. 1
- B. 3
- C. 4
- D. 7

Answer: C

Explanation:

<https://github.com/dotnet/dotnet-docker/blob/master/samples/dotnetapp/README.md>

NEW QUESTION 121

- (Exam Topic 2)

Your company has a release pipeline in an Azure DevOps project. You plan to deploy to an Azure Kubernetes Services (AKS) cluster by using the Helm package and deploy task. You need to install a service in the AKS namespace for the planned deployment. Which service should you install?

- A. Azure Container Registry
- B. Chart
- C. Kubectl
- D. Tiller

Answer: D

Explanation:

Before you can deploy Helm in an RBAC-enabled AKS cluster, you need a service account and role binding for the Tiller service.

Reference:

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-helm>

NEW QUESTION 122

- (Exam Topic 2)

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 App1 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 VMSS1 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: D

NEW QUESTION 124

- (Exam Topic 2)

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.

Commands

- kubectl create
- az role assignment create
- az aks get-credentials
- az ad sp create-for-rbac
- az aks create

Answer Area

1

2

3

↑

↓

- 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/re
--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 127

- (Exam Topic 2)

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 m your Azure DevOps account.
- C. Create a webhook in Jenkins.
- D. Add a domain to your Jenkins account.
- E. Create a service hook m 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-serv>

NEW QUESTION 128

- (Exam Topic 2)

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:

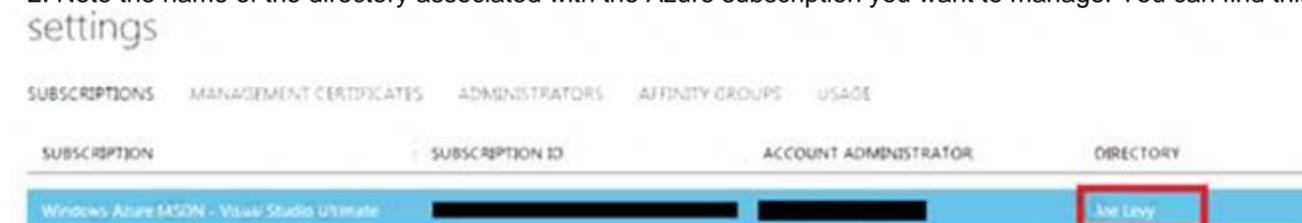
Azure Automation now ships with the Azure PowerShell module of version 0.8.6, which introduced the ability to non-interactively authenticate to Azure using OrgId (Azure Active Directory user) credential-based authentication. Using the steps below, you can set up Azure Automation to talk to Azure using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



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.

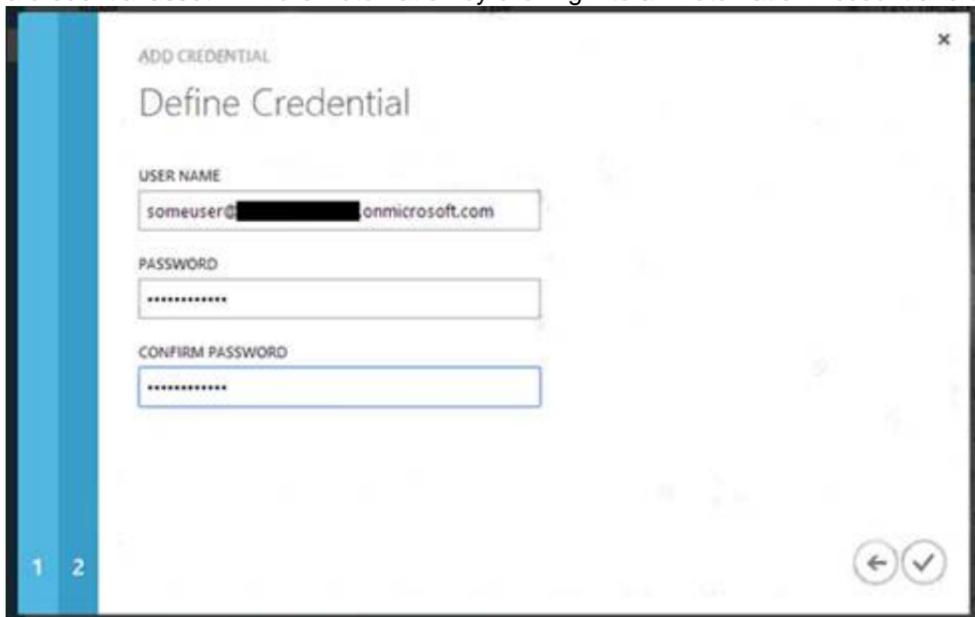
- * 1. Click on Settings (bottom Azure tab under StorSimple)



- * 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 133

- (Exam Topic 2)

You have an Azure DevOps organization named Contoso and an Azure DevOps project named Project1. You plan to use Microsoft-hosted agents to build container images that will host full Microsoft .NET Framework apps in a YAML pipeline in Project1. What are two possible virtual machine images that you can use for the Microsoft-hosted agent pool? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. vs2017-win2016
- B. ubuntu-16.04
- C. win1803
- D. macOS-10.13
- E. vs.2015-win2012r2

Answer: AE

Explanation:

<https://github.com/microsoft/azure-pipelines-image-generation/blob/d80f81d6c98f8ce2c74b034309bb774ea8d3> <https://github.com/actions/virtual-environments/blob/master/images/win/Windows2016-Readme.md>

NEW QUESTION 135

- (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 140

- (Exam Topic 2)

You have a build pipeline in Azure Pipelines. You create a Slack App Integration.

You need to send build notifications to a Slack channel named #Development. What should you do first?

- A. Configure a service connection.
- B. Create a service hook subscription.
- C. Create a project-level notification.
- D. Create a global notification.

Answer: B

Explanation:

Create a service hook for Azure DevOps with Slack to post messages to Slack in response to events in your Azure DevOps organization, such as completed builds, code changes, pull requests, releases, work items changes, and more.

Note:

- * 1. Go to your project Service Hooks page: https://{orgName}/{project_name}/_settings/serviceHooksSelect Create Subscription.
- * 3. Choose the types of events you want to appear in your Slack channel.
- * 4. Paste the Web Hook URL from the Slack integration that you created and select Finish.
- * 5. Now, when the event you configured occurs in your project, a notification appears in your team's Slack channel.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/service-hooks/services/slack>

NEW QUESTION 144

- (Exam Topic 2)

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

NEW QUESTION 145

- (Exam Topic 2)

You have an Azure DevOps project that contains a build pipeline. The build pipeline uses approximately 50 open source libraries. You need to ensure that all the open source libraries comply with your company's licensing standards. Which service should you use?

- A. NuGet
- B. Maven
- C. Black Duck
- D. Helm

Answer: C

Explanation:

Secure and Manage Open Source Software

Black Duck helps organizations identify and mitigate open source security, license compliance and code-quality risks across application and container portfolios. Black Duck Hub and its plugin for Team Foundation Server (TFS) allows you to automatically find and fix open source security vulnerabilities during the build process, so you can proactively manage risk. The integration allows you to receive alerts and fail builds when any Black Duck Hub policy violations are met.

Note: WhiteSource would also be a good answer, but it is not an option here.

Reference:

<https://marketplace.visualstudio.com/items?itemName=black-duck-software.hub-tfs>

NEW QUESTION 146

- (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 integration. Does this meet the goal?

- A. Yes
- B. No

Answer: A

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.

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

NEW QUESTION 151

- (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 152

- (Exam Topic 2)

You have an existing project in Azure DevOps.

You plan to integrate GitHub as the repository for the project

You need to ensure that Azure Pipelines runs under the Azure Pipelines identity Which authentication mechanism should you use?

- A. GitHubApp
- B. OAuth
- C. personal access token (PAT)
- D. Azure Active Directory (Azure AD)

Answer: A

Explanation:

GitHub App uses the Azure Pipelines identity. Reference:

<https://docs.microsoft.com/en-us/azure/devops/pipelines/repos/github>

NEW QUESTION 156

- (Exam Topic 2)

You have an application that consists of several Azure App Service web apps and Azure functions. You need to access the security of the web apps and the functions.

Which Azure features can you use to provide a recommendation for the security of the application?

- A. Security & Compliance in Azure Log Analytics
- B. Resource health in Azure Service Health
- C. Smart Detection in Azure Application Insights
- D. Compute & apps in Azure Security Center

Answer: D

Explanation:

Monitor compute and app services: Compute & apps include the App Services tab, which App services: list of your App service environments and current security state of each.

Recommendations

This section has a set of recommendations for each VM and computer, web and worker roles, Azure App Service Web Apps, and Azure App Service Environment that Security Center monitors. The first column lists the recommendation. The second column shows the total number of resources that are affected by that recommendation. The third column shows the severity of the issue.

NEW QUESTION 160

- (Exam Topic 2)

You have an Azure subscription that contains a resources group named RG1. RG1 contains the following resources:

- Four Azure virtual machines that run Windows Server and have Internet Information Services (IIS) installed
- SQL Server on an Azure virtual machine
- An Azure Load Balancer

You need to deploy an application to the virtual machines in RG1 by using Azure Pipelines.

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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Create an agent pool

Azure Pipelines provides a pre-defined agent pool named Azure Pipelines with Microsoft-hosted agents. Step 2: Create a deployment group
 Deployment groups make it easy to define logical groups of target machines for deployment, and install the required agent on each machine.

Step 3: Execute the Azure Pipelines Agent extension to the virtual machines Install the Azure Pipelines Agent Azure VM extension

Step 4: Add and configure a deployment group job for the pipeline

Tasks that you define in a deployment group job run on some or all of the target servers, depending on the arguments you specify for the tasks and the job itself.

Reference:

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

NEW QUESTION 161

- (Exam Topic 2)

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 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 build completed event Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

You can create a service hook for Azure DevOps Services and TFS with Jenkins.

However, the service subscription event should use the code pushed event, is triggered when the code is pushed to a Git repository.

NEW QUESTION 163

- (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 168

- (Exam Topic 2)

Your company uses Azure DevOps for the build pipelines and deployment pipelines of Java based projects. You need to recommend a strategy for managing technical debt.

Which two actions should you include in the recommendation? Each correct answer presents part of the solution

NOTE: Each correct selection is worth one point.

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

Answer: AC

NEW QUESTION 169

- (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 reducing the code complexity.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

Reference:

<https://dzone.com/articles/fight-through-the-pain-how-to-deal-with-technical>

NEW QUESTION 170

- (Exam Topic 2)

Your company has a project in Azure DevOps for a new application. The application will be deployed to several Azure virtual machines that run Windows Server 2016.

You need to recommend a deployment strategy for the virtual machines. The strategy must meet the following requirements:

- Ensure that the virtual machines maintain a consistent configuration.
- Minimize administrative effort to configure the virtual machines What should you include in the recommendation?

- A. Deployment YAML and Azure pipeline stage templates
- B. Azure Resource Manager templates and the Custom Script Extension for Windows
- C. Azure Resource Manager templates and the PowerShell Desired State Configuration (DSC) extensionfor Windows
- D. Deployment YAML and Azure pipeline deployment groups

Answer: B

Explanation:

The Custom Script Extension downloads and executes scripts on Azure virtual machines. This extension is useful for post deployment configuration, software installation, or any other configuration or management tasks. Scripts can be downloaded from Azure storage or GitHub, or provided to the Azure portal at extension run time. The Custom Script Extension integrates with Azure Resource Manager templates, and can be run using the Azure CLI, PowerShell, Azure portal, or the Azure Virtual Machine REST API.

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/extensions/custom-script-windows>

NEW QUESTION 173

- (Exam Topic 2)

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 175

- (Exam Topic 2)

You plan to deploy a website that will be hosted in two Azure regions.

You need to create an Azure Traffic Manager profile named az40011566895n1-tm in a resource group named RG1lod11566895. The solution must ensure that users will always connect to a copy of the website that is in the same country.

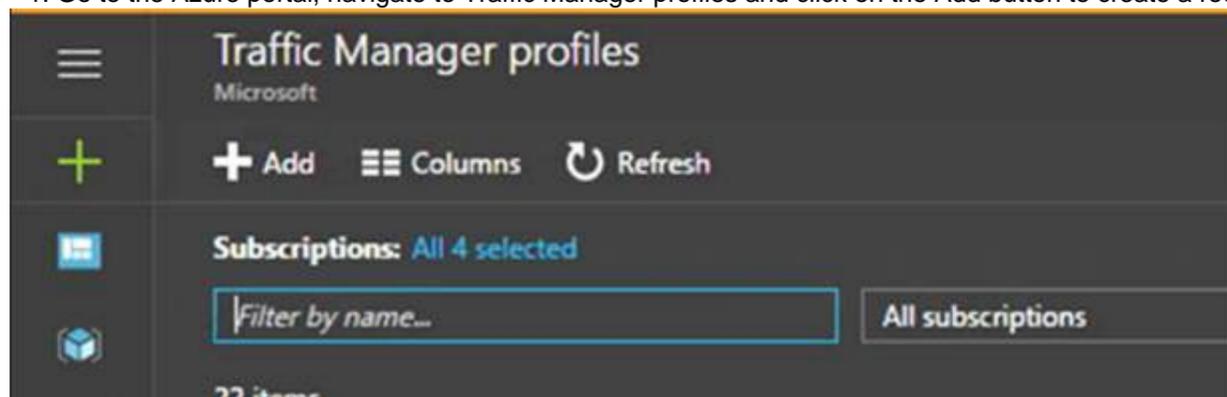
To complete this task, sign in to the Microsoft Azure portal.

- A. Mastered
- B. Not Mastered

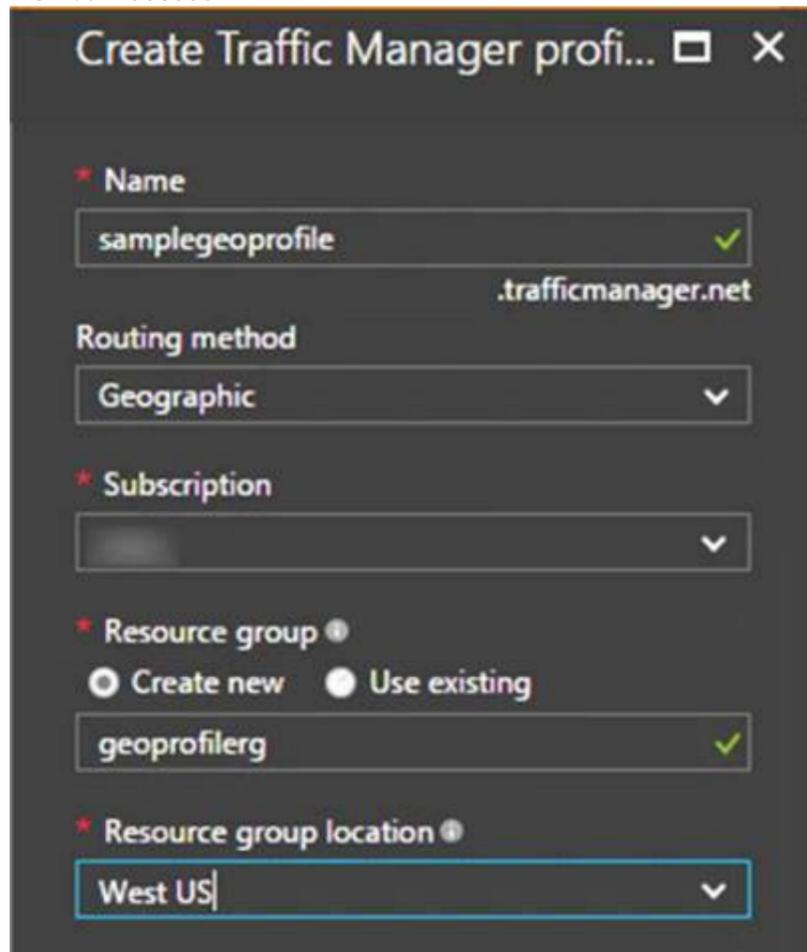
Answer: A

Explanation:

* 1. Go to the Azure portal, navigate to Traffic Manager profiles and click on the Add button to create a routing profile.



* 2. In the Create Traffic Manager profile, enter, or select these settings: Name: az40011566895n1-tm Routing method: Geographic Resource group: RG1lod11566895



Note: Traffic Manager profiles can be configured to use the Geographic routing method so that users are directed to specific endpoints (Azure, External or Nested) based on which geographic location their DNS query originates from. This empowers Traffic Manager customers to enable scenarios where knowing a user's geographic region and routing them based on that is important.

Reference:

<https://azure.microsoft.com/en-us/blog/announcing-the-general-availability-of-geographic-routing-capability-in>

NEW QUESTION 180

- (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: Install and configure a self-hosted build agent on an on-premises machine. Configure the build pipeline to use the Default 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 181

- (Exam Topic 2)

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 ACI1 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 183

- (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. PDM
- B. OWASPZAP
- C. WhiteSource
- D. Jenkins

Answer: C

NEW QUESTION 186

- (Exam Topic 2)

Note: This question 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 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 add a trigger to the build pipeline. Does this meet the goal?

- A. Yes
- B. NO

Answer: B

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 191

- (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 192

- (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-azurermsautomationdscnode>

NEW QUESTION 197

- (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 199

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