Microsoft

Exam Questions AZ-400

Microsoft Azure DevOps Solutions (beta)

NEW QUESTION 1
- (Exam Topic 1)
How should you complete the code to initialize App Center in the mobile application? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection a worth one point.

```
MSAppCenter.start
( "{Your App Secret}",
   withServices:
)
```

| [MSAnalytics.self, |
| [MSDistribute.self, |
| [MSPush.self, |

| MSAnalytics.self] |
| MSCrashes.self] |
| MSDistribute.self] |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Scenario: Visual Studio App Center must be used to centralize the reporting of mobile application crashes and device types in use.
In order to use App Center, you need to opt in to the service(s) that you want to use, meaning by default no services are started and you will have to explicitly call each of them when starting the SDK.
Insert the following line to start the SDK in your app's AppDelegate class in the didFinishLaunchingWithOptions method.
MSAppCenter.start("{Your App Secret}", withServices: [MSAnalytics.self, MSCrashes.self]) References: https://docs.microsoft.com/en-us/appcenter/sdk/getting-started/ios
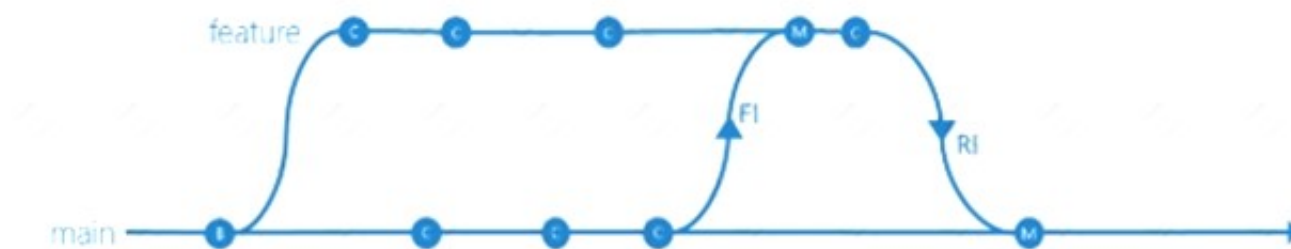
NEW QUESTION 2
- (Exam Topic 1)
Which branching strategy should you recommend for the investment planning applications suite?

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 3
- (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 4
- (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 5
- (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 6
- (Exam Topic 2)
You plan to deploy a template named D:\Deploy.json to a resource group named Deploy-lod9940427. You need to modify the template to meet the following requirements, and then to deploy the template:
❯ The address space must be reduced to support only 256 total IP addresses.
❯ The subnet address space must be reduced to support only 64 total IP addresses. To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
* 1. Sign in to the portal,
* 2. Choose template Deploy-lod9940427
* 3. Select Edit template, and then paste your JSON template code into the code window.
* 4. Change the ASddressPrefixes to 10.0.0.0/24 in order to support only 256 total IP addresses. addressSpace":{"addressPrefixes": ["10.0.0.0/24"]},
* 5. Change the firstSubnet addressprefix to 10.0.0.0/26 to support only 64 total IP addresses. "subnets":[
{
"name":"firstSubnet",
"properties":{ "addressPrefix":"10.0.0.0/24"
}
* 6. Select Save.
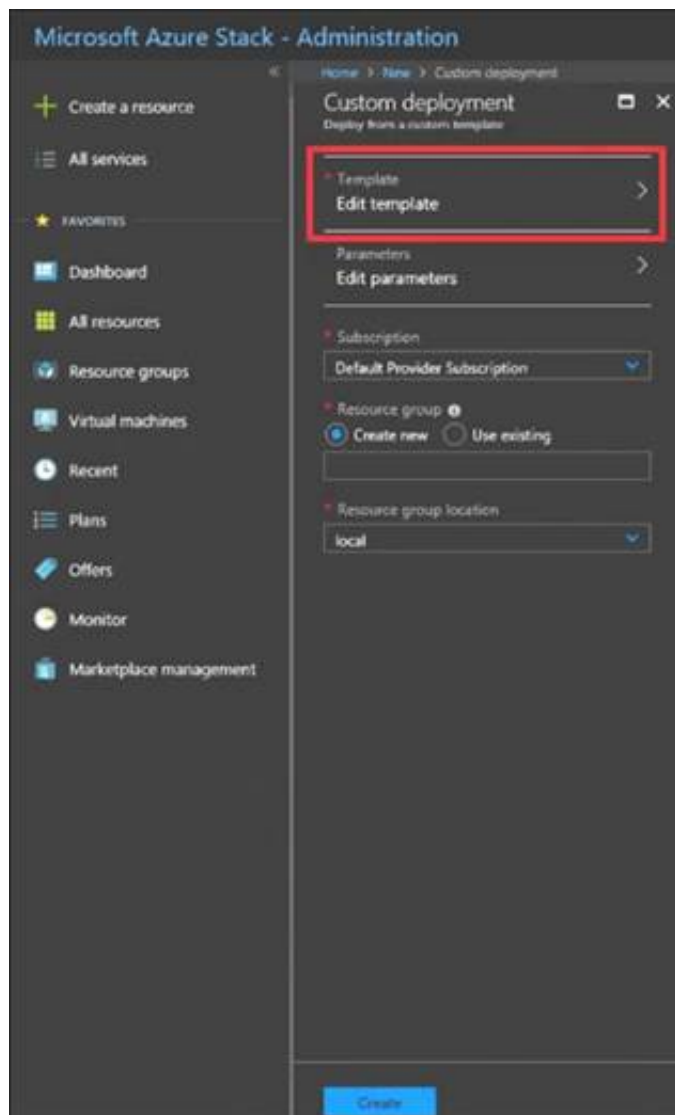
* 7. Select Edit parameters, provide values for the parameters that are shown, and then select OK.
* 8 Select Subscription. Choose the subscription you want to use, and then select OK.
* 9. Select Resource group. Choose an existing resource group or create a new one, and then select OK.
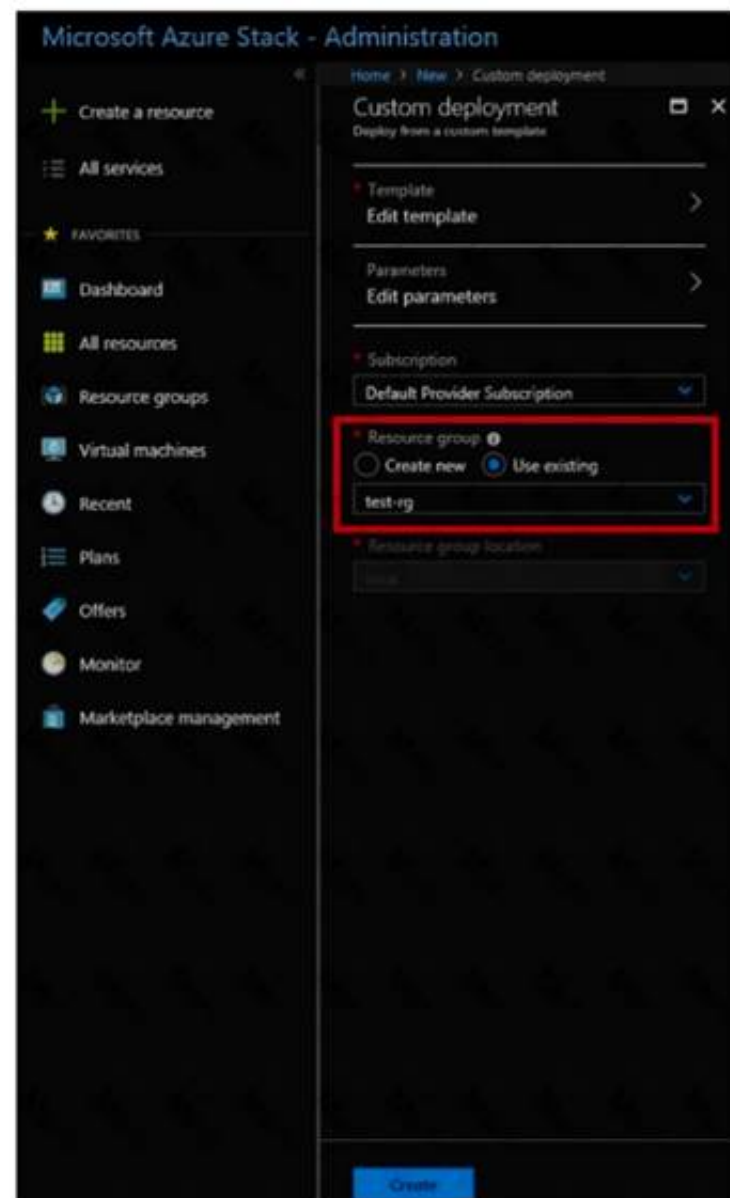
* 10. Select Create. A new tile on the dashboard tracks the progress of your template deployment. References:
https://docs.microsoft.com/en-us/azure-stack/user/azure-stack-deploy-template-portal?view=azs-1908
https://docs.microsoft.com/en-us/azure/architecture/building-blocks/extending-templates/update-resource

NEW QUESTION 7
- (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 8
- (Exam Topic 2)
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 an Azure self-hosted agent to an on-premises server. You add a Copy and Publish Build Artifacts task to the deployment pipeline. Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
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). The agents must have connectivity to the target on-premises environments, and access to the Internet to connect to Azure Pipelines or Team Foundation Server.
References:
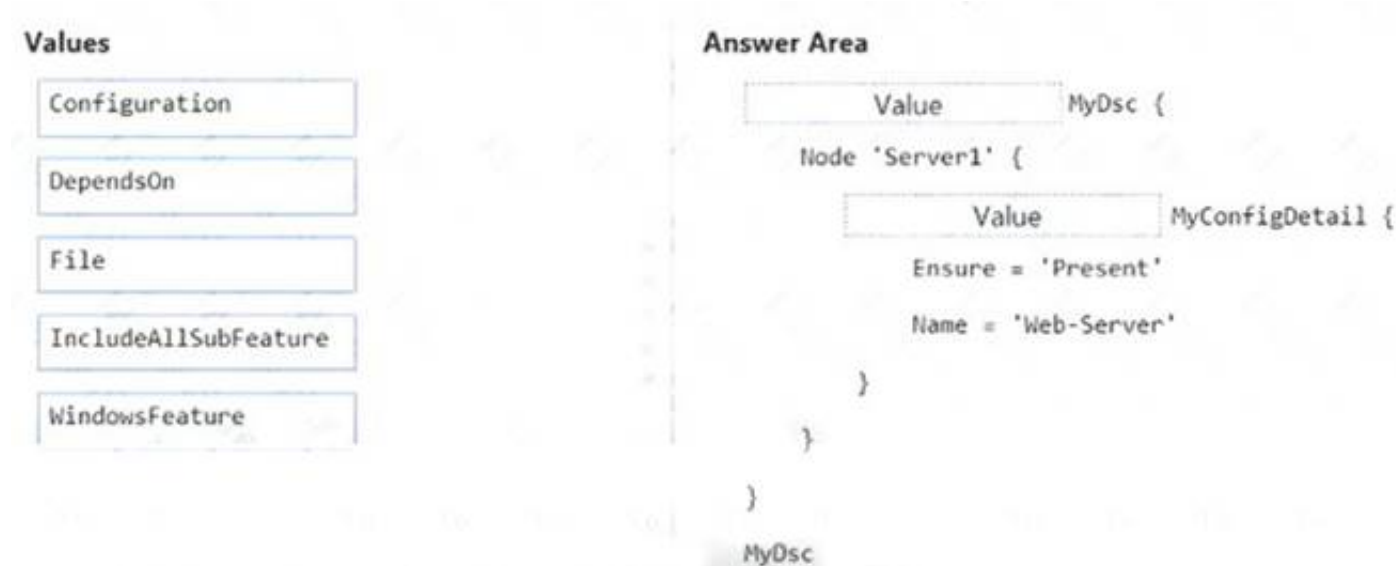https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/agents?view=azure-devops

NEW QUESTION 9
- (Exam Topic 2)
You need to deploy Internet Information Services (IIS) to an Azure virtual machine that runs Windows Server 2019.
How should you complete the Desired State Configuration (DSQ configuration script? 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.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Configuration
The following example shows a simple example of a configuration. configuration IISInstall
{
node "localhost"
{
WindowsFeature IIS
{
Ensure = "Present" Name = "Web-Server"
}
}
}
Box 2: WindowsFeature Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/extensions/dsc-overview

NEW QUESTION 10
- (Exam Topic 2)

Your company develops an app for OS. All users of the app have devices that are members of a private
distribution group in Microsoft Visual Studio App Center. You plan to distribute a new release of the app.
You need to identify which certificate file you require to distribute the new release from App Center. Which file type should you upload to App Center?

A. .cer
B. .pvk
C. .pfx
D. .p12

Answer: D

Explanation:
A successful IOS device build will produce an ipa file. In order to install the build on a device, it needs to be signed with a valid provisioning profile and certificate.
To sign the builds produced from a branch, enable code signing in the configuration pane and upload a provisioning profile (.mobileprovision) and a valid certificate (.p12), along with the password for the certificate.
References:
https://docs.microsoft.com/en-us/appcenter/build/xamarin/ios/

NEW QUESTION 10
- (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
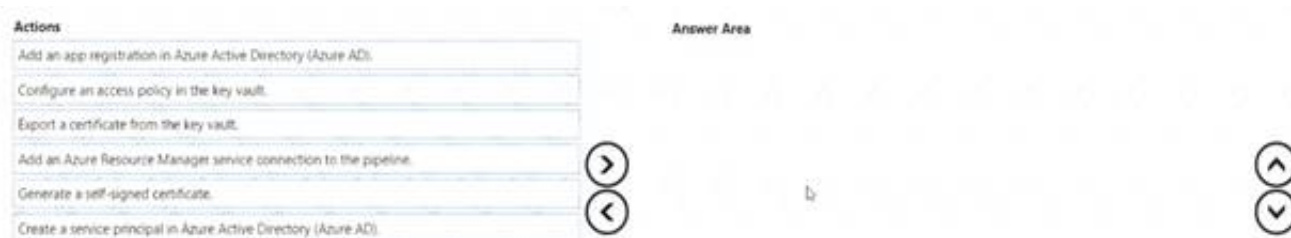
NEW QUESTION 12
- (Exam Topic 2)
You are configuring an Azure DevOps deployment pipeline. The deployed application will authenticate to a web service by using a secret stored in an Azure key vault.
You need to use the secret in the deployment pipeline.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Creating a service principal
Creating a key vault
Check the Azure Pipeline

NEW QUESTION 17
- (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.
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 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 22
- (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 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

Create a new Azure Artifacts feed.

Configure a self-hosted agent.

Publish a package.

Install a package.

Connect to an Azure Artifacts feed.

Answer Area

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 28
- (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 thai 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 31
- (Exam Topic 2)
You have a build pipeline in Azure Pipelines that uses different jobs to compile an application for 10 different architectures.
The build pipeline takes approximately one day to complete. You need to reduce the time it takes to execute the build pipeline
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point

A. Move to a blue/green deployment pattern.
B. Create an agent pool.
C. Create a deployment group.
D. Reduce the size of the repository.
E. Increase the number of parallel jobs.

Answer: BE

Explanation:
Question: I need more hosted build resources. What can I do?
Answer The Azure Pipelines pool provides all Azure DevOps organizations with cloud-hosted build agents and free build minutes each month. If you need more
Microsoft-hosted build resources, or need to run more jobs in parallel, then you can either:
Host your own agents on infrastructure that you manage. Buy additional parallel jobs.
Reference:
https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/pools-queues

NEW QUESTION 34
- (Exam Topic 2)
You have an Azure DevOps organization named Contoso, an Azure DevOps project named Project1, an Azure subscription named Sub1, and an Azure key vault
named vault1.
You need to ensure that you can reference the values of the secrets stored in vault1 in all the pipelines of Project1. The solution must prevent the values from
being stored in the pipelines.
What should you do?

A. Create a variable group in Project1.
B. Add a secure file to Project1.
C. Modify the security settings of the pipelines.
D. Configure the security policy of Contoso.

Answer: A

Explanation:
Use a variable group to store values that you want to control and make available across multiple pipelines. References:
https://docs.microsoft.com/en-us/azure/devops/pipelines/library/variable-groups
https://docs.microsoft.com/en-us/azure/devops/pipelines/library/variable-groups?view=azure-devops&tabs=yam

NEW QUESTION 35

- (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 m.ght 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 win NOT be able to return to it. As a result, these questions win 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 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 40

- (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 45

- (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 48

- (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 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. Ansible
B. Maven
C. WhiteSource Bolt
D. Helm

Answer: C

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.
Note: Blackduck would also be a good answer, but it is not an option here. Reference: https://www.azuredevopslabs.com/labs/vstsextend/whitesource/

NEW QUESTION 53
- (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 55
- (Exam Topic 2)
You have an Azure Kubernetes Service (AKS) pod.
You need to configure a probe to perform the following actions:
≫ Confirm that the pod is responding to service requests.
≫ Check the status of the pod four times a minute.
≫ Initiate a shutdown if the pod is unresponsive.
How should you complete the YAML configuration file? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

```
apiVersion: v1
kind: Pod
metadata:
    labels:
        test: readiness-and-liveness
    name: readiness-http
spec:
    containers:
    - name: container1
      image: k8s.ger.io/readiness-and-lieveness
      args:
      - /server
      [                    ▼ ]
      │ livenessProbe:       │
      │ readinessProbe:      │
      │ ShutdownProbe:       │
      │ startupProbe:        │
          httpGet:
              path: /checknow
              port: 8123
              httpHeaders:
              - name: Custom-Header
                value: CheckNow
      [                    ▼ ]
      │ initialDelaySeconds: 15 │
      │ periodSeconds: 15       │
      │ timeoutSeconds: 15      │
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: readinessProbe:
For containerized applications that serve traffic, you might want to verify that your container is ready to handle incoming requests. Azure Container Instances supports readiness probes to include configurations so that your container can't be accessed under certain conditions.
Reference:
https://docs.microsoft.com/en-us/azure/container-instances/container-instances-readiness-probe

NEW QUESTION 57
- (Exam Topic 2)
You have a GitHub repository.
You create a new repository in Azure DevOps.
You need to recommend a procedure to clone the repository from GitHub to Azure DevOps. What should you recommend?

A. Create a webhook.
B. Create a service connection for GitHub.
C. From Import a Git repository, click Import
D. Create a pull request.
E. Create a personal access token in Azure DevOps.

Answer: C

NEW QUESTION 62
- (Exam Topic 2)
You have an Azure DevOps organization named Contoso.
You need to recommend an authentication mechanism that meets the following requirements:
• Supports authentication from Git
• Minimizes the need to provide credentials during authentication What should you recommend?

A. managed identities in Azure Active Directory (Azure AD)
B. personal access tokens (PATs) in Azure DevOps
C. user accounts in Azure Active Directory (Azure AD)
D. Alternate credentials in Azure DevOps

Answer: B

Explanation:
Personal access tokens (PATs) give you access to Azure DevOps and Team Foundation Server (TFS), without using your username and password directly. These tokens have an expiration date from when they're created. You can restrict the scope of the data they can access. Use PATs to authenticate if you don't already have SSH keys set up on your system or if you need to restrict the permissions that are granted by the credential.
Reference:
https://docs.microsoft.com/en-us/azure/devops/repos/git/auth-overview

NEW QUESTION 63
- (Exam Topic 2)
You are developing an application. The application source has multiple branches. You make several changes to a branch used for experimentation.
You need to update the main branch to capture the changes made to the experimentation branch and override the history of the Git repository.
Which Git option should you use?

A. Rebase
B. Fetch
C. MergeD18912E1457D5D1DDCBD40AB3BF70D5D
D. Push

Answer: C

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

NEW QUESTION 64
- (Exam Topic 2)
You are configuring Azure Pipelines for three projects in Azure DevOps as shown in the following table.

Project name	Project Details
Project1	The project team provides preconfigured YAML files that it wants to use to manage future pipeline configuration changes.
Project2	The sensitivity of the project requires that the source code be hosted on the managed Windows server on your company's network.
Project3	The project team requires a centralized version control system to ensure that developers work with the most recent version.

Which version control system should you recommend 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
Assembla Subversion	Project1: [ ]
Bitbucket Cloud	Project2: [ ]
Git in Azure Repos	Project3: [ ]
GitHub Enterprise	

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Project1:Git in Azure Repos Project2: Github Enterprise
GitHub Enterprise is the on-premises version of GitHub.com. GitHub Enterprise includes the same great set of features as GitHub.com but packaged for running on your organization's local network. All repository data is stored on machines that you control, and access is integrated with your organization's authentication system (LDAP, SAML, or CAS).
Project3: Bitbucket cloud
One downside, however, is that Bitubucket does not include support for SVN but this can be easily amended migrating the SVN repos to Git with tools such as SVN Mirror for Bitbucket .
Note: SVN is a centralized version control system.

NEW QUESTION 65
- (Exam Topic 2)
You 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)
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 71
- (Exam Topic 2)
Your team uses an agile development approach.
You need to recommend a branching strategy for the team's Git repository. The strategy must meet the following requirements.
Provide the ability to work on multiple independent tasks in parallel. Ensure that checked-in code remains in a releasable state always. Ensure that new features can be abandoned at any time.
Encourage experimentation. What should you recommend?

A. a single long-running branch
B. multiple long-running branches
C. a single fork per team member
D. a single-running branch with multiple short-lived topic branches

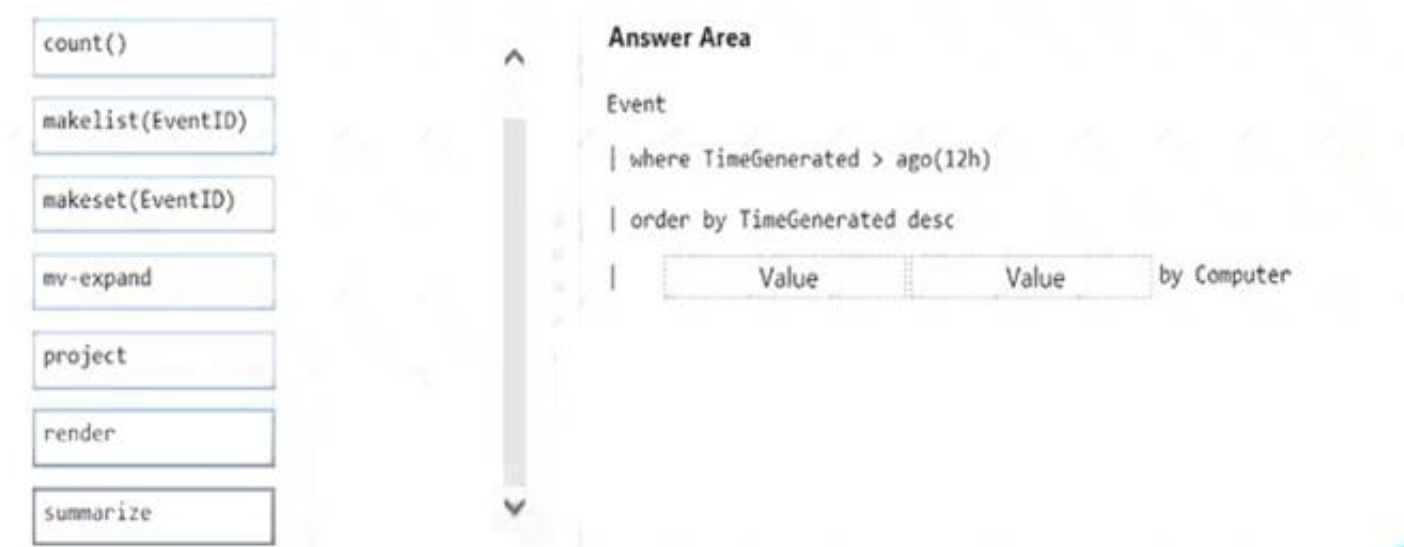**Answer:** D

NEW QUESTION 74
- (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.

count()

makelist(EventID)

makeset(EventID)

mv-expand

project

render

summarize

Answer Area

Event

| where TimeGenerated > ago(12h)

| order by TimeGenerated desc

| Value   Value   by Computer

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 77
- (Exam Topic 2)
You have a project in Azure DevOps. You have an Azure Resource Group deployment project in Microsoft Visual Studio that is checked in to the Azure DevOps project.
You need to create a release pipeline that will deploy resources by using Azure Resource Manager templates. The solution must minimize administrative effort. Which task type should you include in the solution?

A. Azure Cloud Service Deployment
B. Azure RM Web App Deployment
C. Azure PowerShell
D. Azure App Service Manage

Answer: C

Explanation:
There are two different ways to deploy templates to Azure DevOps Services. Both methods provide the same results, so choose the one that best fits your workflow.
* 1. Add a single step to your build pipeline that runs the PowerShell script that's included in the Azure Resource Group deployment project (Deploy-AzureResourceGroup.ps1). The script copies artifacts and then deploys the template.
* 2. Add multiple Azure DevOps Services build steps, each one performing a stage task.
The first option has the advantage of using the same script used by developers in Visual Studio and providing consistency throughout the lifecycle.
References:
https://docs.microsoft.com/en-us/azure/vs-azure-tools-resource-groups-ci-in-vsts

NEW QUESTION 82
- (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.
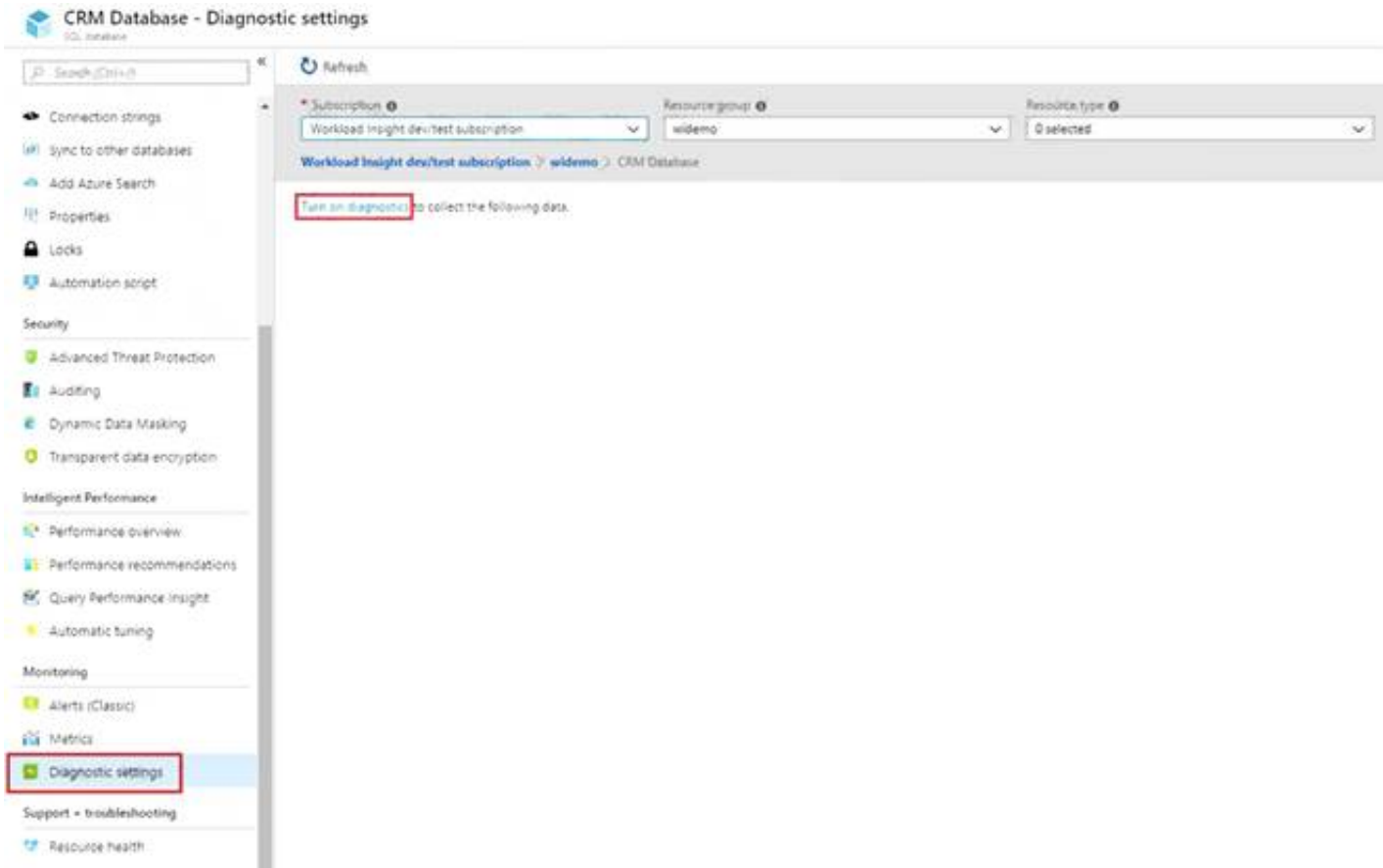
* 5. Enter a setting name for your own reference.
* 6. Select a destination resource for the streaming diagnostics data: Archive to storage account, Stream to an event hub, or Send to Log Analytics.
* 7. For the standard, event-based monitoring experience, select the following check boxes for database diagnostics log telemetry: QueryStoreRuntimeStatistics
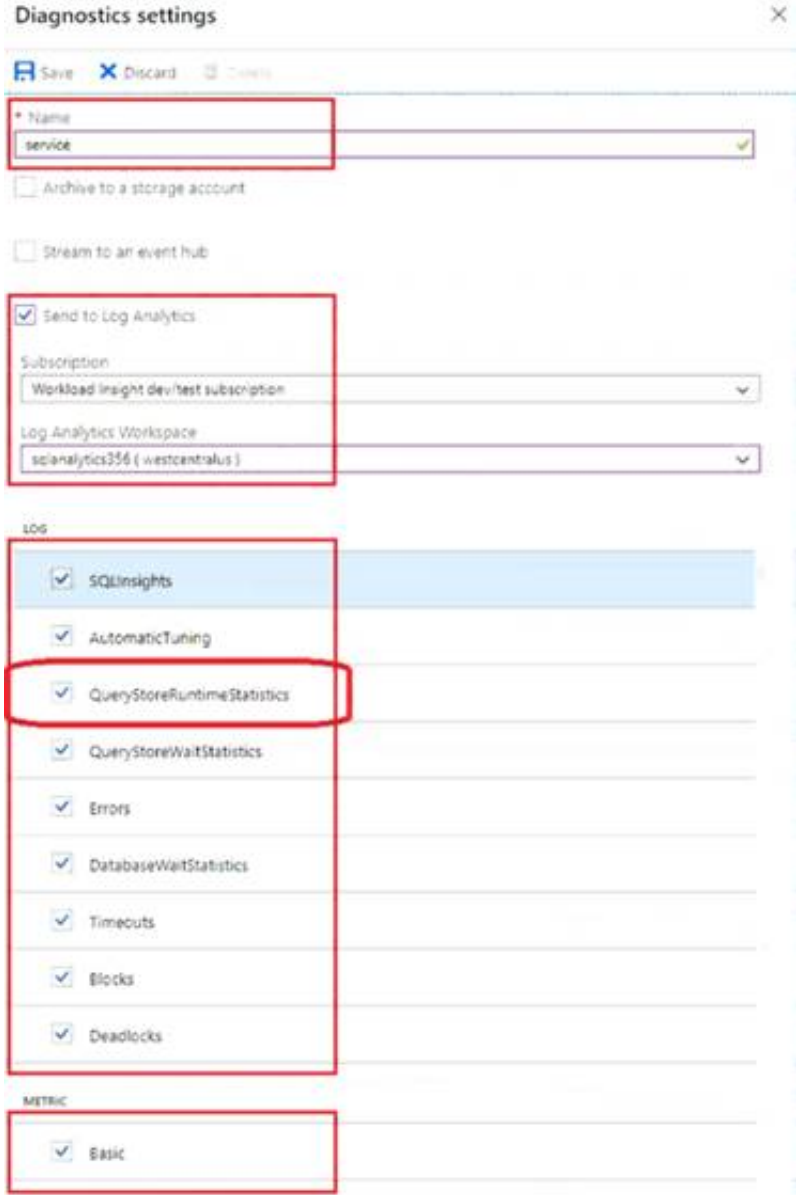

* 8. For an advanced, one-minute-based monitoring experience, select the check box for Basic metrics.
* 9. Select Save. Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/metrics-diagnostic-telemetry-logging-streaming-expo

NEW QUESTION 85
- (Exam Topic 2)
You have a project in Azure DevOps that has three teams as shown in the Teams exhibit. (Click the Teams tab.)
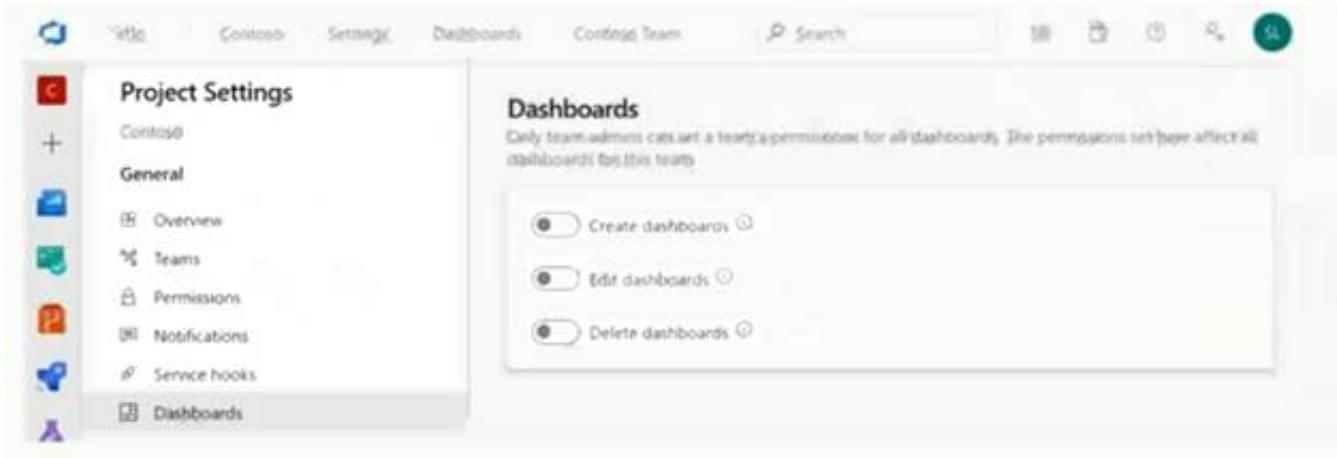
You create a new dashboard named Dash1.
You configure the dashboard permissions for the Contoso project as shown in the Permissions exhibit (Click the Permissions tab.)
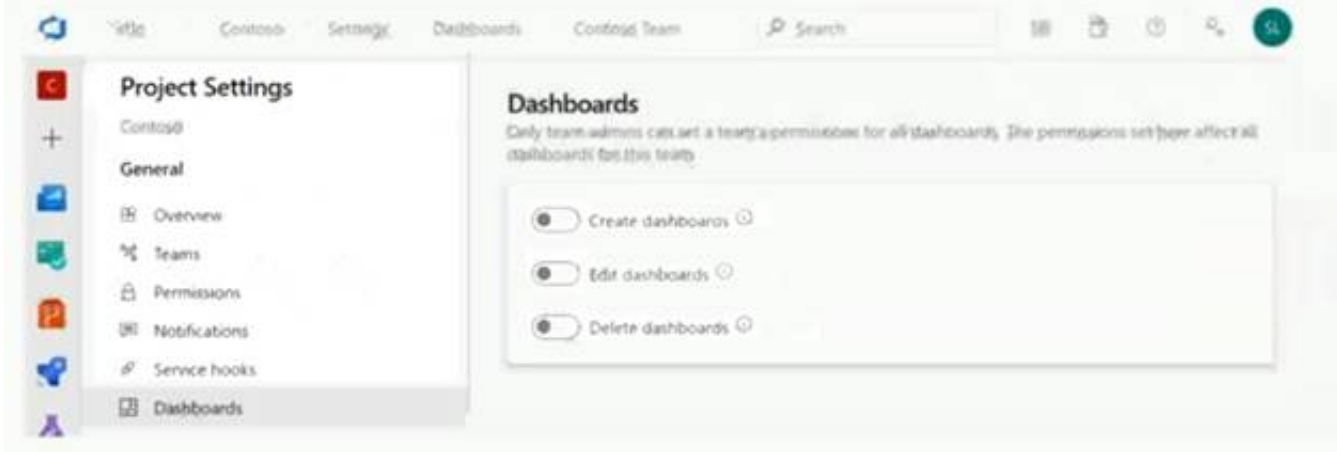
All other permissions have the default values set.

Statements	Yes	No
Web Team can delete Dash1.	○	○
Contoso Team can view Dash1.	○	○
Proiect administrators can create new dashboards.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Web Team can delete Dash1.	○	[○]
Contoso Team can view Dash1.	[○]	○
Proiect administrators can create new dashboards.	[○]	○

NEW QUESTION 86
- (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 90
- (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 approval process that contains a condition. The condition requires that releases be approved by a team leader before they are deployed.
You have a policy stating that approvals must occur within eight hours.
You discover that deployment fail if the approvals take longer than two hours.
You need to ensure that the deployments only fail if the approvals take longer than eight hours.
Solution: From Post-deployment conditions, you modify the Timeout setting for post-deployment approvals. Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Use Pre-deployments conditions instead. Use a gate instead of an approval instead. References:
https://docs.microsoft.com/en-us/azure/devops/pipelines/release/approvals/gates

NEW QUESTION 94
- (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 96
- (Exam Topic 2)
Your company is building a new web application.
You plan to collect feedback from pilot users on the features being delivered.
All the pilot users have a corporate computer that has Google Chrome and the Microsoft Test & Feedback extension installed. The pilot users will test the application by using Chrome.
You need to identify which access levels are required to ensure that developers can request and gather feedback from the pilot users. The solution must use the principle of least privilege.
Which access levels m Azure DevOps should you identify? To answer, select the appropriate options in the answer area
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Basic
Assign Basic to users with a TFS CAL, with a Visual Studio Professional subscription, and to users for whom you are paying for Azure Boards & Repos in an organization.
Box 2: Stakeholder
Assign Stakeholders to users with no license or subscriptions who need access to a limited set of features. Note:

You assign users or groups of users to one of the following access levels: Basic: provides access to most features
VS Enterprise: provides access to premium features
Stakeholders: provides partial access, can be assigned to unlimited users for free
References: https://docs.microsoft.com/en-us/azure/devops/organizations/security/access-levels?view=vsts

NEW QUESTION 98
- (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: Perform a Subscription Health scan when packages are created.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead implement Continuous Assurance for the project.
Note: The Subscription Security health check features in AzSK contains a set of scripts that examines a subscription and flags off security issues, misconfigurations or obsolete artifacts/settings which can put your subscription at higher risk.
Reference:
https://azsk.azurewebsites.net/04-Continous-Assurance/Readme.html

NEW QUESTION 101
- (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 102
- (Exam Topic 2)
You manage a website that uses an Azure SQL Database named db1 in a resource group named RG1lod11566895.
You need to modify the SQL database to protect against SQL injection. To complete this task, sign in to the Microsoft Azure portal.

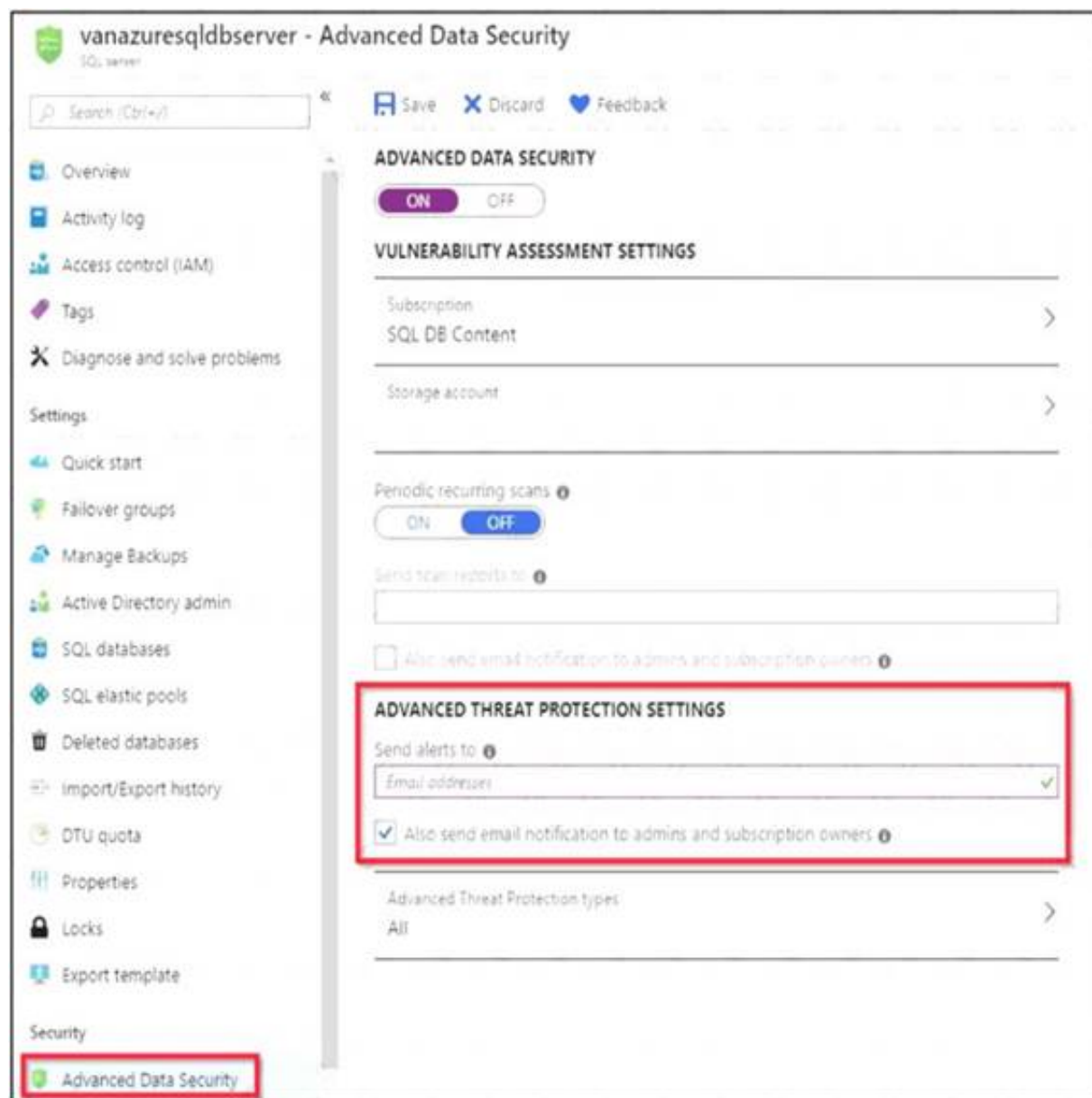A. Mastered
B. Not Mastered

Answer: A

Explanation:
Set up Advanced Threat Protection in the Azure portal
* 1. Sign into the Azure portal.
* 2. Navigate to the configuration page of the server you want to protect. In the security settings, select Advanced Data Security.
* 3. On the Advanced Data Security configuration page:

* 4. Enable Advanced Data Security on the server.
Note: Advanced Threat Protection for Azure SQL Database detects anomalous activities indicating unusual and potentially harmful attempts to access or exploit databases. Advanced Threat Protection can identify Potential SQL injection, Access from unusual location or data center, Access from unfamiliar principal or potentially harmful application, and Brute force SQL credentials
Reference:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-create
https://docs.microsoft.com/en-us/azure/azure-sql/database/threat-detection-configure

NEW QUESTION 103
- (Exam Topic 2)
You are developing an open source solution that uses a GitHub repository. You create a new public project in Azure DevOps.
You plan to use Azure Pipelines for continuous build. The solution will use the GitHub Checks API. Which authentication type should you use?

A. a personal access token
B. SAML
C. GitHub App
D. OAuth

Answer: C

Explanation:
https://docs.microsoft.com/en-us/azure/devops/pipelines/repos/github?view=azure-devops&tabs=yaml https://developer.github.com/v3/checks/

NEW QUESTION 108
- (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 109
- (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 114
- (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 117
- (Exam Topic 2)
You are finalizing a release in GitHub.
You need to apply the following labels to the release:
➢ Name
➢ Email
➢ Release v3.0
➢ Release date
How should you complete the git command? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

```
git                v3.0      "Release v3.0"
   [ add     ▼ ]  [ -a  ▼ ]  [ -a  ▼ ]
   [ commit  ]    [ -b  ]    [ -b  ]
   [ push    ]    [ -c  ]    [ -c  ]
   [ tag     ]    [ -m  ]    [ -m  ]
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1; tag
Tagging. Like most VCSs, Git has the ability to tag specific points in a repository's history as being important. Typically, people use this functionality to mark release points (v1.0, v2.0 and so on).
Box 2: -a
Creating an annotated tag in Git is simple. The easiest way is to specify -a when you run the tag command: Example:
$ git tag -a v1.4 -m "my version 1.4" Box 3: -m
Reference:
https://git-scm.com/book/en/v2/Git-Basics-Tagging

NEW QUESTION 122
- (Exam Topic 2)
You use Azure Pipelines lo 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.
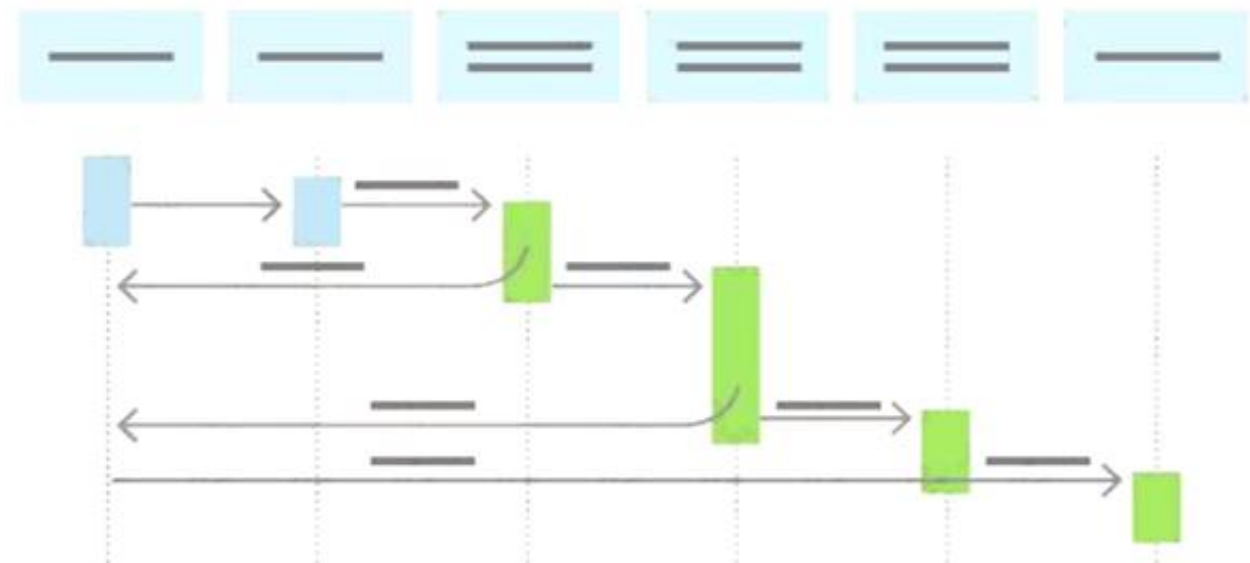
Box 2: Feature flags
Feature flags support a customer-first DevOps mindset, to enable (expose) and disable (hide) features in a solution, even before they are complete and ready for release.
Box 3: Blue/green
Blue/green deployments which means that instead of replacing the previous version (here we refer 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 123
- (Exam Topic 2)
Your company develops an application named App1 that is deployed in production.
As part of an application update, a new service is being added to App1. The new service requires access to an application named App2 that is currently in development.
You need to ensure that you can deploy the update to App1 before App2 becomes available. You must be able to enable the service in App1 once App2 is deployed.
What should you do?

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

Answer: D

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

NEW QUESTION 127
- (Exam Topic 2)
You plan to use Terraform to deploy an Azure resource group.
You need to install the required frameworks to support the planned deployment.
Which two frameworks should you install? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Vault
B. Terratest
C. Node.js
D. Yeoman
E. Tiller

Answer: BD

Explanation:
You can use the combination of Terraform and Yeoman. Terraform is a tool for creating infrastructure on Azure. Yeoman makes it easy to create Terraform modules.
Terratest provides a collection of helper functions and patterns for common infrastructure testing tasks, like making HTTP requests and using SSH to access a specific virtual machine. The following list describes some of the major advantages of using Terratest:
➤ Convenient helpers to check infrastructure - This feature is useful when you want to verify your real infrastructure in the real environment.
➤ Organized folder structure - Your test cases are organized clearly and follow the standard Terraform module folder structure.
➤ Test cases are written in Go - Many developers who use Terraform are Go developers. If you're a Go developer, you don't have to learn another programming language to use Terratest.
➤ Extensible infrastructure - You can extend additional functions on top of Terratest, including Azure-specific features.
Reference:
https://docs.microsoft.com/en-us/azure/developer/terraform/create-base-template-using-yeoman https://docs.microsoft.com/en-us/azure/developer/terraform/test-modules-using-terratest

NEW QUESTION 130
- (Exam Topic 2)
You need to configure a virtual machine named VM1 to securely access stored secrets in an Azure Key Vault named az400-11566895-kv.
To complete this task, sign in to the Microsoft Azure portal.
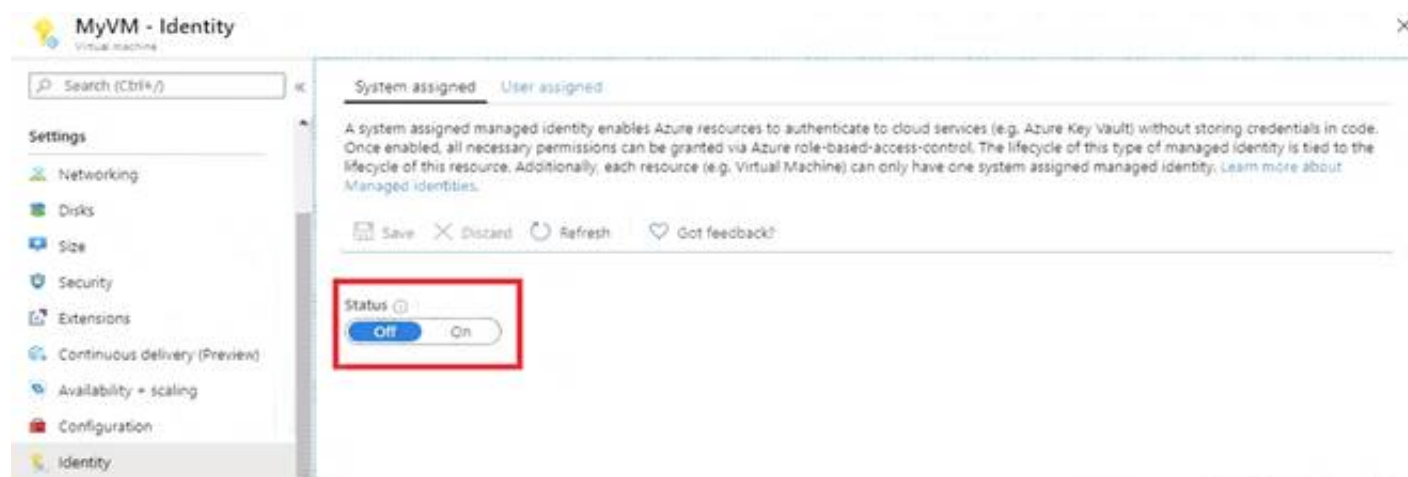
A. Mastered
B. Not Mastered

Answer: A

Explanation:
You can use a system-assigned managed identity for a Windows virtual machine (VM) to access Azure Key Vault.
➤ Sign in to Azure portal
➤ Locate virtual machine VM1.
➤ Select Identity
➤ Enable the system-assigned identity for VM1 by setting the Status to On.

Note: Enabling a system-assigned managed identity is a one-click experience. You can either enable it during the creation of a VM or in the properties of an existing VM.
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/tutorial-windows-vm

NEW QUESTION 135
- (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 fall to meet the performance baseline?

A. an Azure Scheduler job
B. a trigger
C. a gate
D. an Azure function

Answer: C

Explanation:
Scenarios and use cases for gates include:
➢ Quality validation. Query metrics from tests on the build artifacts such as pass rate or code coverage and deploy only if they are within required thresholds.
Use Quality Gates to integrate monitoring into your pre-deployment or post-deployment. This ensures that you are meeting the key health/performance metrics (KPIs) as your applications move from dev to production and any differences in the infrastructure environment or scale is not negatively impacting your KPIs.
Note: Gates allow automatic collection of health signals from external services, and then promote the release when all the signals are successful at the same time or stop the deployment on timeout. Typically, gates are used in connection with incident management, problem management, change management, monitoring, and external approval systems.
References:
https://docs.microsoft.com/en-us/azure/azure-monitor/continuous-monitoring https://docs.microsoft.com/en-us/azure/devops/pipelines/release/approvals/gates?view=azure-devops

NEW QUESTION 140
- (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 project in Azure DevOps for a new web application. You need to ensure that when code is checked in, a build runs automatically.
Solution: From the Pre-deployment conditions settings of the release pipeline, you select After stage. Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead, In Visual Designer you enable continuous integration (CI) by:
➢ Select the Triggers tab.
➢ Enable Continuous integration. References:
https://docs.microsoft.com/en-us/azure/devops/pipelines/get-started-designer

NEW QUESTION 145
- (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 146
- (Exam Topic 2)
You have an Azure DevOps organization named Contoso and an Azure subscription.
You use Azure DevOps to build and deploy a web app named App1. Azure Monitor is configured to generate an email notification in response to alerts generated whenever App1 generates a server-side error.
You need to receive notifications in Microsoft Teams whenever an Azure Monitor alert is generated. Which two actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Create an Azure logic app that has an HTTP request trigger.
B. Modify the Diagnostics settings in Azure Monitor.
C. Modify an action group in Azure Monitor.
D. Create an Azure Monitor workbook.
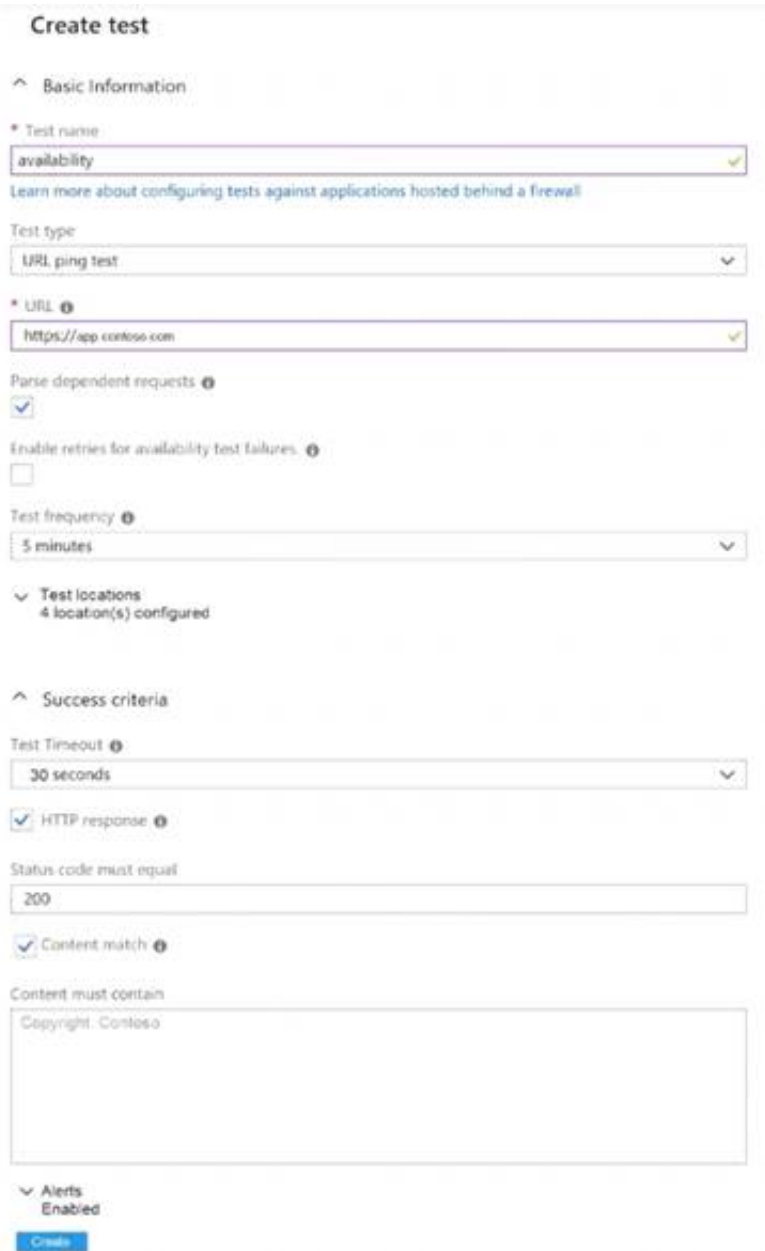E. Create an Azure logic app that has an Azure DevOps trigger.

Answer: AB

Explanation:
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/action-groups-logic-app

NEW QUESTION 147
- (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.

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 150
- (Exam Topic 2)
You have a project Azure DevOps.
You plan to create a build pipeline that will deploy resources by using Azure Resource Manager templates. The templates will reference secretes stored in Azure Key Vault.
Yu need to ensure that you can dynamically generate the resource ID of the key vault during template deployment.
What should you include in the template? To answer, select eh appropriate options in the answer area. NOTE: Each correct selection is worth one point.

```
"resources":[
  {
    "apiversion": "2018-05-01",
    "name" : "secrets",
    "type":
      "Microsoft.KeyVault/vaults",
      "Microsoft.Resources/deployment".
      "Microsoft.Subscription/subscriptions".
    "properties":{
      "mode" : "Incremental",
            :{
        "deployment"
        "template"
        "templateLink"

    contentVersion" : "1.0.0.0",
            "uri" : "[uri(parameters('_artifactsLocation'),
            concat('./nested/sqlserver.json',
            parameters('_artifactsLocationSasToken')))]"
    },
    "parameters":{
      "secret":{
        "reference":{
          "keyVault":{
            "id": "[resourceId(parameters('vaultSubscription'),
            parameters('vaultResourceGroupName'),
            'Microsoft.KeyVault/vaults',
            parameters('vaultName'))]"
          },
          "secretName": "[parameters('secretName')]"
        }
      }
    }
  }
],
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
"resources":[
    {
        "apiversion": "2018-05-01",
        "name" : "secrets",
        "type":  [▼]
                "Microsoft.KeyVault/vaults",
                "Microsoft.Resources/deployment".
                "Microsoft.Subscription/subscriptions".
        "properties":{
            "mode" : "Incremental",
            [▼]  :{
            "deployment"
            "template"
            "templateLink"
```

```
contentVersion" : "1.0.0.0",
            "uri" : "[uri(parameters('_artifactsLocation'),
            concat('./nested/sqlserver.json',
            parameters('_artifactsLocationSasToken')))]"
    },
    "parameters":{
        "secret":{
            "reference":{
                "keyVault":{
                    "id": "[resourceId(parameters('vaultSubscription'),
                    parameters('vaultResourceGroupName'),
                    'Microsoft.KeyVault/vaults',
                    parameters('vaultName'))]"
                },
                "secretName": "[parameters('secretName')]"
                }
            }
        }
    }
],
```

NEW QUESTION 155
- (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 approval process that contains a condition. The condition requires that releases be approved by a team leader before they are deployed.
You have a policy stating that approvals must occur within eight hours.
You discover that deployment fail if the approvals take longer than two hours.
You need to ensure that the deployments only fail if the approvals take longer than eight hours. Solution: From Pre-deployment conditions, you modify the Time between re-evaluation of gates option. Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 156
- (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 159
- (Exam Topic 2)
You have multi-tier application that h« an Azure Web Apps front end and art Azure SQL Datable back end. You need to recommend a solution to capture and store telemetry data. The solution must meet the following requirements:
• Support using ad-hoc queries to identify baselines.
• Trigger alerts when metrics in the baseline are exceeded.
• Store application and database metrics in a central location. What should you include in the recommendation?

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

Answer: A

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

NEW QUESTION 161
- (Exam Topic 2)
Your company « 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. Code Style
B. Microsoft Visual SourceSafe
C. Black Duck
D. Jenkins

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

NEW QUESTION 165
- (Exam Topic 2)
You mc 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 butt 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.

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 166
- (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 167
- (Exam Topic 2)
You have an Azure Kubermets Service (AKS) implementation that is RBAC-enabled
You plan to use Azure Container Instances as a hosted development environment to run containers in the AKS implementation.
You need to conjure Azure Container Instances as a hosted environment for running me containers in AKS. Which three actions should you perform m 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 a YAML file.
If your AKS cluster is RBAC-enabled, you must create a service account and role binding for use with Tiller. To create a service account and role binding, create a file named rbac-virtual-kubelet.yaml
Step 2: Run kubectl apply.
Apply the service account and binding with kubectl apply and specify your rbac-virtual-kubelet.yaml file. Step 3: Run helm init.
Configure Helm to use the tiller service account: helm init --service-account tiller
You can now continue to installing the Virtual Kubelet into your AKS cluster. References: https://docs.microsoft.com/en-us/azure/aks/virtual-kubelet

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 ft. As a result these questions will not appear in the review screen.
You 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 selected Batch changes while a build is in progress Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 173
- (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.
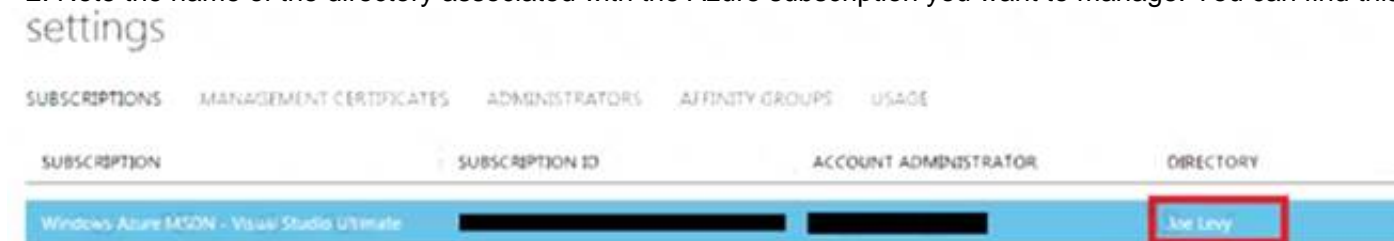
Step 2: Create an Azure Active Directory user in the directory associated with the Azure subscription to manage:
You can skip this step if you already have an Azure Active Directory user in this directory. and plan to use this OrgId to manage Azure.
* 1. In the Azure portal click on Active Directory 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.
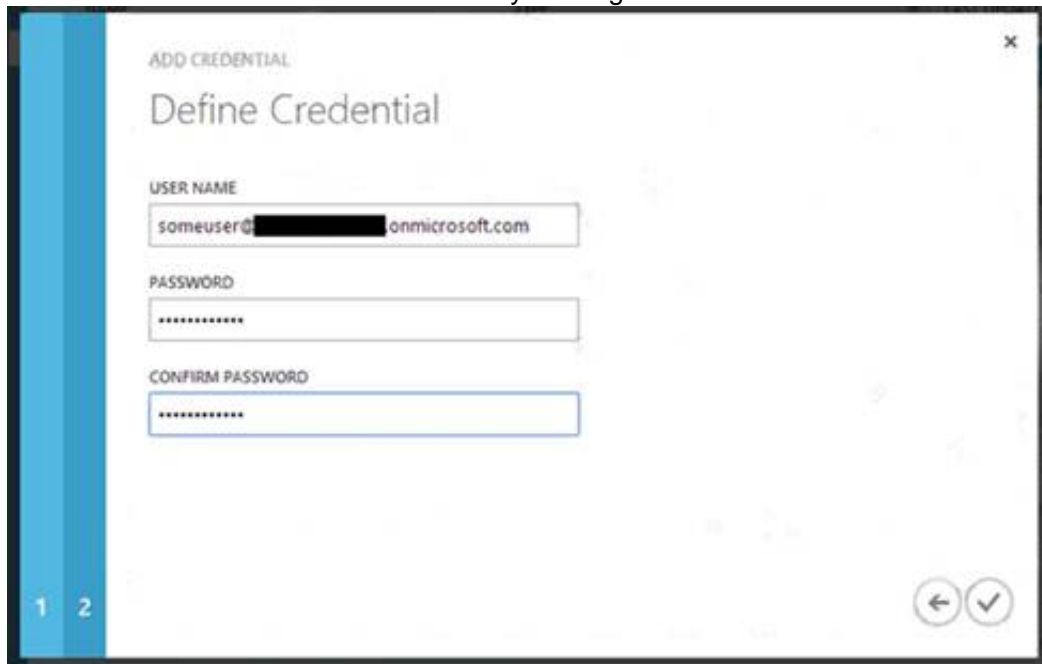
Note: Once you have set up the Azure Active Directory credential in Azure and Azure Automation, you can now manage Azure from Azure Automation runbooks using this credential.
References:
https://azure.microsoft.com/sv-se/blog/azure-automation-authenticating-to-azure-using-azure-active-directory/

NEW QUESTION 178
- (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 179
- (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 a main template that will deploy the resources in one resource group and a nested template that will deploy the resources in the other resource

group.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Use two linked templates, instead of the nested template.
References: https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-linked-templates

NEW QUESTION 182
- (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 187
- (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 190
- (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 193
- (Exam Topic 2)
You are configuring the settings of a new Git repository in Azure Repos.
You need to ensure that pull requests in a branch meet the following criteria before they are merged:

➢ Committed code must compile successfully.
➢ Pull requests must have a Quality Gate status of Passed in SonarCloud.

Which policy type should you configure for each requirement? To answer, drag the appropriate policy types to the correct requirements. Each policy type 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.

Policy Types

| A build policy |
| A check-in policy |
| A status policy |

Committed code must compile successfully: [ ]

Pull requests must have a Quality Gate status of Passed in SonarCloud: [ ]

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: A check-in policy
Administrators of Team Foundation version control can add check-in policy requirements. These check-in policies require the user to take actions when they conduct a check-in to source control.
By default, the following check-in policy types are available:
➢ Builds Requires that the last build was successful before a check-in.
➢ Code Analysis Requires that code analysis is run before check-in.
➢ Work Items Requires that one or more work items be associated with the check-in.
Box 2: Build policy Reference:
https://docs.microsoft.com/en-us/azure/devops/repos/tfvc/add-check-policies https://azuredevopslabs.com/labs/vstsextend/sonarcloud/

NEW QUESTION 197
- (Exam Topic 2)
You need to use Azure Automation Sure Configuration to manage the ongoing consistency of virtual machine configurations.
Which five 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.
NOTE: More than one order of answer choices in correct. You writ receive credit for any of the orders you select.

Actions   **Answer Area**

| Onboard the virtual machines to Azure Automation State Configuration. |
| Check the compliance status of the node. |
| Create a management group. |
| Assign the node configuration. |
| Compile a configuration into a node configuration. |
| Upload a configuration to Azure Automation State Configuration. |
| Assign tags to the virtual machines. |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: Assign the node configuration.
You create a simple DSC configuration that ensures either the presence or absence of the Web-Server Windows Feature (IIS), depending on how you assign nodes.
Step 2: Upload a configuration to Azure Automation State Configuration. You import the configuration into the Automation account.
Step 3: Compiling a configuration into a node configuration Compiling a configuration in Azure Automation

Before you can apply a desired state to a node, a DSC configuration defining that state must be compiled into one or more node configurations (MOF document), and placed on the Automation DSC Pull Server.
Step 4: Onboard the virtual machines to Azure State Configuration
Onboarding an Azure VM for management with Azure Automation State Configuration Step 5: Check the compliance status of the node.
Viewing reports for managed nodes. Each time Azure Automation State Configuration performs a consistency check on a managed node, the node sends a status report back to the pull server. You can view these reports on the page for that node.
On the blade for an individual report, you can see the following status information for the corresponding consistency check:
The report status — whether the node is "Compliant", the configuration "Failed", or the node is "Not Compliant" (when the node is in ApplyandMonitor mode and the machine is not in the desired state).
References: https://docs.microsoft.com/en-us/azure/automation/automation-dsc-getting-started

NEW QUESTION 200
- (Exam Topic 2)
You have 50 Node.js-based projects that you scan by using WhiteSource. Each project includes Package.json, Package-lock.json, and Npm-shrinkwrap.json files.
You need to minimize the number of libraries reports by WhiteSource to only the libraries that you explicitly reference.
What should you do?

A. Configure the File System Agent plug in.
B. Delete Package lock.json.
C. Configure the Artifactory plug-in.
D. Add a devDependencies section to Package-lock.json.

Answer: D

Explanation:
Separate Your Dependencies
Within your package.json file be sure you split out your npm dependencies between devDependencies and (production) dependencies. The key part is that you must then make use of the --production flag when installing the npm packages. The --production flag will exclude all packages defined in the devDependencies section.
References:
https://blogs.msdn.microsoft.com/visualstudioalmrangers/2017/06/08/manage-your-open-source-usage-and-secu

NEW QUESTION 204
- (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 208
- (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
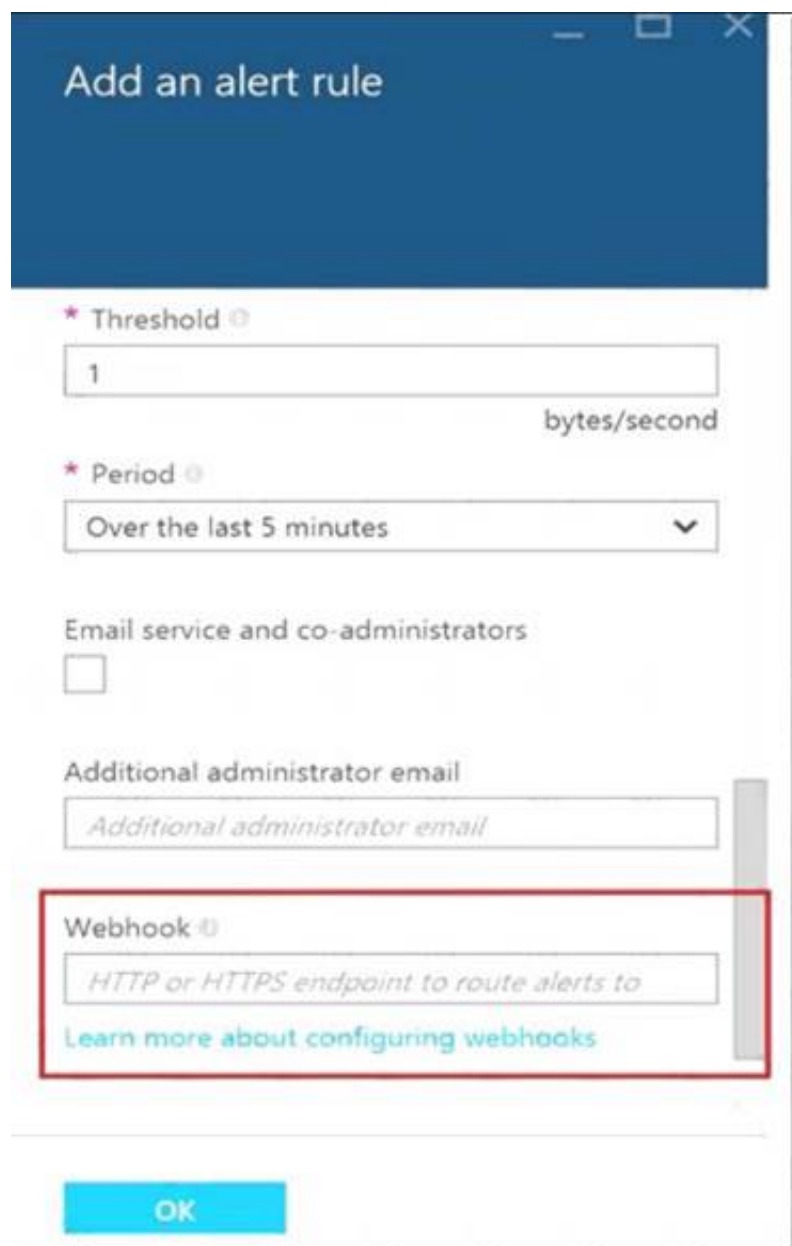* 2. Log into your Azure account and go to App Service and look under Monitoring then you will see Alert.
* 3. Select Add an alert rule
* 4. Configure the alert rule as per below and click Ok. Source: Alert on Metrics
Resource Group: az400-9940427-main Resource: az400-9940427-main Threshold: 5
Period: Over the last 5 minutes Webhook: https://contoso.com/notify

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

NEW QUESTION 209
- (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 214
- (Exam Topic 2)
Your company uses Service Now for incident management. You develop an application that runs on Azure.
The company needs to generate a ticket in Service Now when the application fails to authenticate. Which Azure Log Analytics solution should you use?

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

Answer: B

Explanation:

The IT Service Management Connector (ITSMC) allows you to connect Azure and a supported IT Service Management (ITSM) product/service.
ITSMC supports connections with the following ITSM tools:
> ServiceNow
> System Center Service Manager
> Provance
> Cherwell
With ITSMC, you can
> Create work items in ITSM tool, based on your Azure alerts (metric alerts, Activity Log alerts and Log Analytics alerts).
> Optionally, you can sync your incident and change request data from your ITSM tool to an Azure Log Analytics workspace.
References: https://docs.microsoft.com/en-us/azure/azure-monitor/platform/itsmc-overview

NEW QUESTION 219
- (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 223
- (Exam Topic 2)
You have a private GitHub repository.
You need to display the commit status of the repository on Azure Boards. What should you do first?

A. Create a GitHub action in GitHub.
B. Add the Azure Pipelines app to the GitHub repository.
C. Configure multi-factor authentication (MFA) for your GitHub account.
D. Add the Azure Boards app to the repository.

Answer: D

Explanation:
To connect Azure Boards to GitHub.com, connect and configure from Azure Boards. Or, alternatively, install and configure the Azure Boards app from GitHub.
Both methods have been streamlined and support authenticating and operating via the app rather than an individual.
Note (see step 4 below): Add a GitHub connection:
> Sign into Azure Boards.
> Choose (1) Project Settings, choose (2) GitHub connections and then (3) Connect your GitHub account.
> If this is your first time connecting to GitHub from Azure Boards, you will be asked to sign in using your GitHub credentials. Choose an account for which you are an administrator for the repositories you want to connect to.
> The Add GitHub Repositories dialog automatically displays and selects all GitHub.com repositories for which you are an administrator. Unselect any repositories that you don't want to participate in the integration.

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

NEW QUESTION 225
- (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 rote 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 228
- (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 m the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Actions	Answer Area
Run the New-AzureRmResourceGroupDeployment Azure PowerShell cmdlet.	1 Create a Desired State Configuration (DSC) configuration file that has an extension of .ps1.
Create an Azure Resource Manager template file that has an extension of .json.	2 Run the Import-AzureRmAutomationDscConfiguration Azure PowerShell cmdlet.
Run the Import-AzureRmAutomationDscConfiguration Azure PowerShell cmdlet.	3 Run the Start-AzureRmAutomationDscCompilationJob Azure PowerShell cmdlet.
Run the Start-AzureRmAutomationDscCompilationJob Azure PowerShell cmdlet.	
Create a Desired State Configuration (DSC) configuration file that has an extension of .ps1.	

NEW QUESTION 232
- (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 them in the correct order.

Actions	Answer Area
Create a repository	
Add a build policy for the fork.	
Create a branch.	
Add a build policy for the master branch.	
Add an application access policy.	
Create a fork.	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Actions	Answer Area
Create a repository	Create a repository
Add a build policy for the fork.	Add a build policy for the master branch.
Create a branch.	Create a branch.
Add a build policy for the master branch.	
Add an application access policy.	
Create a fork.	

NEW QUESTION 237
- (Exam Topic 3)
In Azure DevOps, you create Project3.
You need to meet the requirements of the project. What should you do first?

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

Answer: A

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

NEW QUESTION 240
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