Microsoft

Exam Questions AZ-400

Microsoft Azure DevOps Solutions (beta)

NEW QUESTION 1
- (Topic 4)
You have a project in Azure DevOps named Project1.
You implement a Continuous Integration/Continuous Deployment (CI/CD) pipeline that uses PowerShell Desired State Configuration (DSC) to configure the application infrastructure.
You need to perform a unit test and an integration test of the configuration before Project1 is deployed.
What should you use?

A. the PS Script Analyzer tool
B. the Pester test framework
C. the PS Code Health module
D. the Test-Ds Configuration cmdlet

Answer: B

Explanation:
You should use the Pester test framework to perform a unit test and an integration test of the configuration before Project1 is deployed. The Pester test framework is a PowerShell testing framework that can be used to validate PowerShell DSC configurations.

NEW QUESTION 2
- (Topic 4)
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. Azure Application Insights
B. the activity log of the App Service
C. the diagnostics logs of the App Service
D. Azure Advisor

Answer: A

Explanation:
Application Insights will tell you about any performance issues and exceptions, and help you find and diagnose the root causes.
Application Insights can monitor both Java and ASP.NET web applications and services, WCF services. They can be hosted on-premises, on virtual machines, or as Microsoft Azure websites.
On the client side, Application Insights can take telemetry from web pages and a wide variety of devices including iOS, Android, and Windows Store apps.
Reference:
https://docs.microsoft.com/en-us/azure/azure-monitor/app/web-monitor-performance

NEW QUESTION 3
FILL IN THE BLANK - (Topic 4)
You use Get for source control. You have an app named Appt.
In the main branch. you need to restore the third most recent revision of a file named App.exe.config .
How should you complete command?

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 4
HOTSPOT - (Topic 4)
You have a project in Azure DevOps that includes two users named User1 and User2. You plan to use Azure Monitor to manage logs.
You need to ensure that the users can perform the actions shown in following table.

User	Action
User1	• Create private monitoring dashboards. • Search usage data for an Azure Monitor workspace.
User2	• View autoscale settings. • View alert activities and settings.

The solution must follow the principle of least privilege.
Which role should you assign to each user? To answer select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

User1: Monitoring Contributor
- Log Analytics Reader
- **Monitoring Contributor**
- Monitoring Metrics Publisher
- Monitoring Reader

User2: Monitoring Reader
- Log Analytics Reader
- Monitoring Contributor
- Monitoring Metrics Publisher
- **Monitoring Reader**

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

User1: Monitoring Contributor
- Log Analytics Reader
- **Monitoring Contributor**
- Monitoring Metrics Publisher
- Monitoring Reader

User2: Monitoring Reader
- Log Analytics Reader
- Monitoring Contributor
- Monitoring Metrics Publisher
- **Monitoring Reader**

NEW QUESTION 5
- (Topic 4)
Your company has a hybrid cloud between Azure and Azure Stack.
The company uses Azure DevOps for its CI/CD pipelines. Some applications are built by using Erlang and Hack.
You need to ensure that Erlang and Hack are supported as part of the build strategy across the hybrid cloud. The solution must minimize management overhead.
What should you use to execute the build pipeline?

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

Answer: B

Explanation:
Azure Stack offers virtual machines (VMs) as one type of an on-demand, scalable computing resource. You can choose a VM when you need more control over the computing environment.
References: https://docs.microsoft.com/en-us/azure/azure-stack/user/azure-stack- compute-overview

NEW QUESTION 6
DRAG DROP - (Topic 4)
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

- Burndown
- Cycle Time
- Lead Time
- Velocity

Answer Area

The elapsed time from the creation of work items to their completion:

The elapsed time to complete work items once they are active:

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 7
- (Topic 4)
You are developing an iOS application by using Azure DevOps.
You need to test the application manually on 10 devices without releasing the application to the public.
Which two actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

Answer: EF

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

NEW QUESTION 8
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that 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 9
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Your company has a project in Azure DevOps for a new web application. You need to ensure that when code is checked in, a build runs automatically.
Solution: From the Pre-deployment conditions settings of the release pipeline, you select Batch changes while a build is in progress.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Use a Pull request trigger.
Note: Batch changes
Select this check box if you have a lot of team members uploading changes often and you want to reduce the number of builds you are running. If you select this option, when a build is running, the system waits until the build is completed and then queues another build of all changes that have not yet been built.
References: https://docs.microsoft.com/en-us/azure/devops/pipelines/build/triggers

NEW QUESTION 10
- (Topic 4)
You have a GitHub repository that contains workflows. The workflows contain steps that execute predefined actions. Each action has one or more versions.
You need to request the specific version of an action to execute.
Which three attributes can you use to identify the version? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

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

Answer: ABD

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

NEW QUESTION 10
- (Topic 4)
You have a project in Azure DevOps named Project1. Project! contains a pipeline that builds a container image named Image! and pushes Image1 to an Azure container registry named ACR1. Image! uses a base image stored in Docker Hub.
You need to ensure that Image1 is updated automatically whenever the base image is updated.
What should you do?

A. Create and run an Azure Container Registry task.
B. Add a Docker Hub service connection to Azure Pipelines.
C. Enable the Azure Event Grid resource provider and subscribe to registry events.
D. Create a service hook in Project1.

Answer: A

Explanation:
ACR Tasks supports automated container image builds when a container's base image is updated, such as when you patch the OS or application framework in one of your base images.
Reference:
https://docs.microsoft.com/en-us/azure/container-registry/container-registry-tutorial-base- image-update

NEW QUESTION 11
- (Topic 4)
You have multiple teams that work on multiple projects in Azure DevOps.
You need to plan and manage the consumers and producers for each project. The solution must provide an overview of all the projects.
What should you do?

A. Install the Dependency Tracker extension and create dependencies for each project.
B. Add a Parent or Child link to the feature or user story for the items of each project.
C. Add a Predecessor or Successor link to the feature or user story for the items of each project.
D. Create a custom query to show the consumers and producers and add a widget to a dashboard.

Answer: A

NEW QUESTION 13
- (Topic 4)
You use GitHub for source control.
A file that contains sensitive data is committed accidentally to the Get repository of a project.
You need to delete the file and its history form the repository.
Which two tools can you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

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

Answer: AB

Explanation:
To entirely remove unwanted files from a repository's history you can use either the git filter-branch command or the BFG Repo-Cleaner open source tool.
Reference:
https://docs.github.com/en/github/authenticating-to-github/keeping-your-account-and-data-secure/removing-sensitive-data-from-a-repository

NEW QUESTION 18
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some
question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You plan to 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 has two linked templates, each of which will deploy the resource in its respective group.
Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
To deploy your solution, you can use either a single template or a main template with many related templates. The related template can be either a separate file that is linked to from the main template, or a template that is nested within the main template.
References: https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-linked-templates

NEW QUESTION 23
- (Topic 4)
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 25
- (Topic 4)
You have an Azure DevOps organization named Contoso.
You need to recommend an authentication mechanism that meets the following requirements:
• Supports authentication from Get
• 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 28
- (Topic 4)
You store source code in a Git repository in Azure repos. You use a third-party continuous integration (CI) tool to control builds.
What will Azure DevOps use to authenticate with the tool?

A. certificate authentication
B. a personal access token (PAT)
C. a Shared Access Signature (SAS) token
D. NTLM authentication

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.
Reference:
https://docs.microsoft.com/en-us/azure/devops/repos/git/auth-overview

NEW QUESTION 29
- (Topic 4)
Your company uses Azure DevOps for the build pipelines and deployment pipelines of Java based projects. You need to recommend a strategy for managing technical debt.
Which two actions should you include in the recommendation? Each correct answer presents part of the solution
NOTE: Each correct selection is worth one point.

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

Answer: AC

NEW QUESTION 34
- (Topic 4)
You have a private distribution group that contains provisioned and unprovisioned devices.
You need to distribute a new iOS application to the distribution group by using Microsoft Visual Studio App Center.
What should you do?

A. Select Register devices and sign my app.
B. Generate a new .p12 file for each device.
C. Create an active subscription in App Center Test.
D. Add the device owner to the collaborators group.

Answer: A

Explanation:
The following diagram displays the entire app re-signing flow in App Center.

Reference:
https://docs.microsoft.com/hu-hu/appcenter/distribution/auto-provisioning
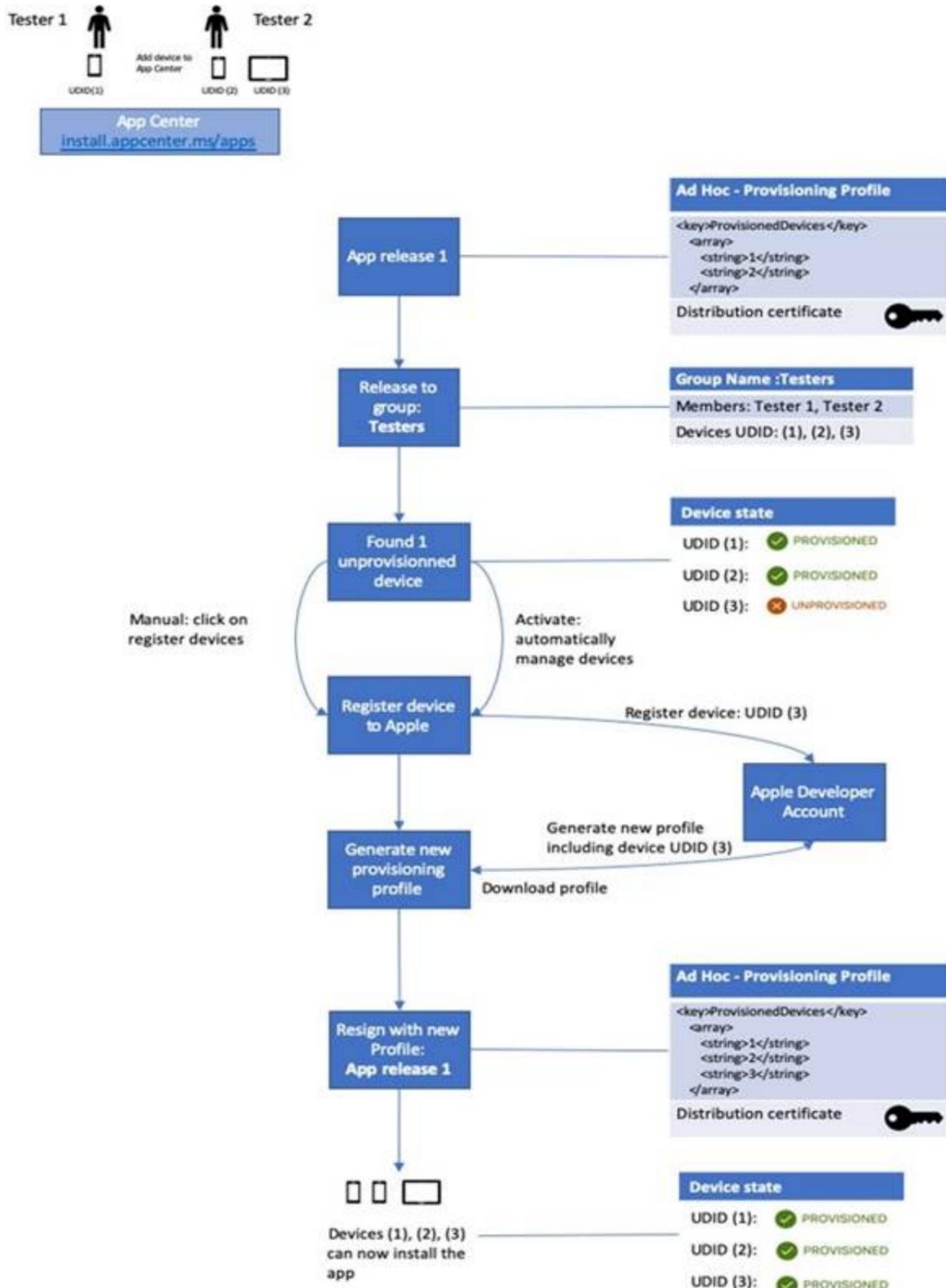
NEW QUESTION 38
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.
You need to recommend changes to reduce the accumulated technical debt.
Solution: You recommend increasing the code duplication. Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 39
SIMULATION - (Topic 4)
You need to ensure that an Azure web app named az400-9940427-main can retrieve secrets from an Azure key vault named az400-9940427-kv1 by using a system managed identity.
The solution must use the principle of least privilege.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

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

References:
https://docs.microsoft.com/en-us/azure/app-service/overview-managed-identity
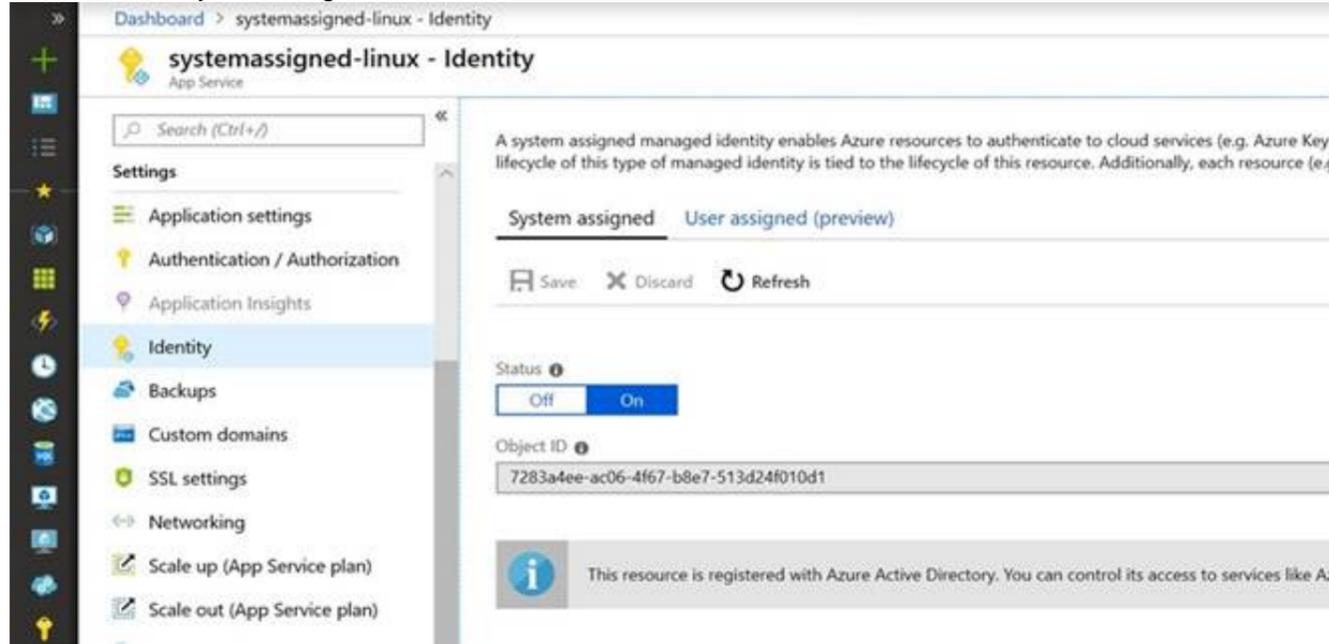
NEW QUESTION 43
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these
questions will not appear in the review screen.
You need to recommend an integration strategy for the build process of a Java application.
The solution must
meet the following requirements:
? The builds must access an on-premises dependency management system.
? The build outputs must be stored as Server artifacts in Azure DevOps.
? The source code must be stored in a Git repository in Azure DevOps.
Solution: Configure an Octopus Tentacle on an on-premises machine. Use the Package Application task in the build pipeline.
Does this meet the goal?

A. Yes
B. No

Answer: A

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

NEW QUESTION 45
DRAG DROP - (Topic 4)
You use Get for source control.
You delete a file, commit the changes, and continue to work. You need to recover the deleted file.
Which three commands should you run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
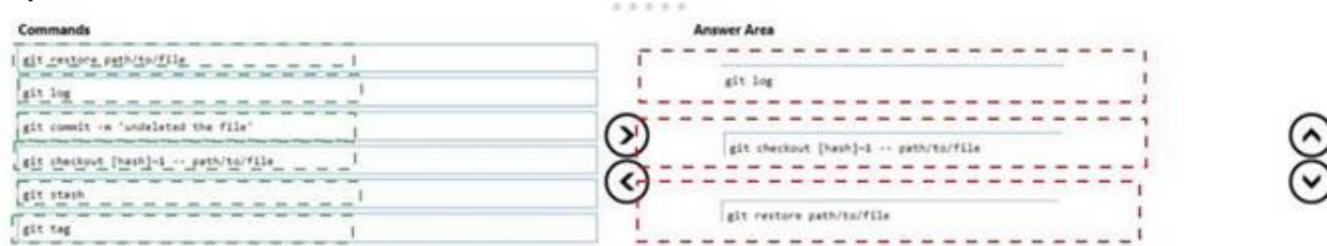
NEW QUESTION 47
- (Topic 4)
Note: This Question Is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to 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 52
HOTSPOT - (Topic 4)
Your company uses a Git source-code repository.
You plan to implement GitFlow as a workflow strategy.
You need to identify which branch types are used for production code and preproduction code in the strategy.
Which branch type should you identify for each code type? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 54
- (Topic 4)
You plan to use Azure DevOps to build and deploy an app that will be hosted in a Kubernetes cluster.
You need to scan the app image for vulnerabilities before the image is deployed to the
cluster.
What should you include in the solution?

A. Microsoft Defender for DevOps
B. Microsoft Defender for Storage
C. Microsoft Defender for Containers
D. Microsoft Defender for App Service

Answer: C

NEW QUESTION 57
HOTSPOT - (Topic 4)
You have an Azure subscription.
You need to create a storage account by using a Bicep file.
How should you complete the file? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

```
param storageAccount string

var storageAccountNameToUse = '${storageAccount}${uniqueString(resourceGroup().id)}'

resource invoiceStorage 'Microsoft.Storage/storageAccounts@2022-05-01' = {

    name: storageAccountNameToUse

    location: 'eastus'

    sku: {

        name: 'Standard_GRS'

    }
```

| kind: | ▼ | 'StorageV2' |

kind:
param:
properties:
type:
var:

| properties: | ▼ | { |

kind: fficOnly: true
param:
properties:
type:
var:

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

```
param storageAccount string

var storageAccountNameToUse = '${storageAccount}${uniqueString(resourceGroup().id)}'

resource invoiceStorage 'Microsoft.Storage/storageAccounts@2022-05-01' = {

    name: storageAccountNameToUse

    location: 'eastus'

    sku: {

        name: 'Standard_GRS'

    }
```

| kind: | ▼ | 'StorageV2' |

kind:
param:
properties:
type:
var:

| properties: | ▼ | { |

kind: fficOnly: true
param:
properties:
type:
var:

NEW QUESTION 58
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an Azure DevOps project.
Your build process creates several artifacts.
You need to deploy the artifacts to on-premises servers.
Solution: You deploy a Docker build to an on-premises server. You add a Download Build Artifacts task to the deployment pipeline.
Does this meet the goal?

A. Yes
B. No

Answer: B

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

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

NEW QUESTION 63
- (Topic 4)
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 64
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You plan to update the Azure DevOps strategy of your company.
You need to identify the following issues as they occur during the company's development process:
? Licensing violations
? Prohibited libraries
Solution: You implement continuous integration. Does this meet the goal?

A. Yes
B. No

Answer: A

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

NEW QUESTION 66
- (Topic 4)
You administer an Azure DevOps project that includes package feeds.
You need to ensure that developers can unlist and deprecate packages. The solution must use the principle of least privilege.
Which access level should you grant to the developers?

A. Collaborator
B. Contributor
C. Owner

Answer: B

Explanation:
Feeds have four levels of access: Owners, Contributors, Collaborators, and Readers. Owners can add any type of identity-individuals, teams, and groups-to any access level.

Permission	Reader	Collaborator	Contributor	Owner
List and restore/install packages	✓	✓	✓	✓
Save packages from upstream sources		✓	✓	✓
Push packages			✓	✓
Unlist/deprecate packages			✓	✓
Promote a package to a view			✓	✓
Delete/unpublish package				✓
Edit feed permissions				✓

Reference:
https://docs.microsoft.com/en-us/azure/devops/artifacts/feeds/feed-permissions

NEW QUESTION 70
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the

stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result,
these questions will not appear in the review screen.
You have an approval process that contains a condition. The condition requires that releases be approved by a team leader before they are deployed.
You have a policy stating that approvals must occur within eight hours.
You discover that deployment fail if the approvals take longer than two hours.
You need to ensure that the deployments only fail if the approvals take longer than eight hours.
Solution: From Post-deployment conditions, you modify the Timeout setting for post- deployment approvals.
Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 72
- (Topic 4)
You have the following Azure policy.

```
if: {
    allof: [
        {
            "field": "type",
            "equals": "Microsoft.Storage/storageAccounts"
        },
        {
            "field": "Microsoft.Storage/storageAccounts/supportsHttpsTrafficOnly",
            "notEquals": "true"
```

A. ensures that at) data for new Azure Storage accounts is encrypted at rest
B. prevents HTTPS traffic to new Azure Storage accounts when the accounts are accessed over the internet
C. prevents all HTTP traffic to wasting Azure Storage accounts
D. ensures that all traffic to new Azure Storage accounts is encrypted

Answer: A

NEW QUESTION 76
HOTSPOT - (Topic 4)
Your company is building a new web application.
You plan to collect feedback from pilot users on the features being delivered.
All the pilot users have a corporate computer that has Google Chrome and the Microsoft
Test & Feedback extension installed. The pilot users will test the application by using Chrome.
You need to identify which access levels are required to ensure that developers can request and gather feedback from the pilot users. The solution must use the principle of least privilege.
Which access levels m Azure DevOps should you identify? To answer, select the appropriate options in the answer area
NOTE: Each correct selection is worth one point.

Developers: [Basic / Stakeholder]

Pilot users: [Basic / Stakeholder]

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Basic
Assign Basic to users with a TFS CAL, with a Visual Studio Professional subscription, and to users for whom you are paying for Azure Boards & Repos in an organization.
Box 2: Stakeholder

Assign Stakeholders to users with no license or subscriptions who need access to a limited set of features.
Note:
You assign users or groups of users to one of the following access levels:
Basic: provides access to most features
VS Enterprise: provides access to premium features
Stakeholders: provides partial access, can be assigned to unlimited users for free
References: https://docs.microsoft.com/en-us/azure/devops/organizations/security/access-levels?view=vsts

NEW QUESTION 80
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.
You need to recommend changes to reduce the accumulated technical debt. Solution: You recommend reducing the code 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 83
HOTSPOT - (Topic 4)
You have an Azure subscription that contains an Azure key vault named Vault1. an Azure pipeline named Pipeline1, and an Azure SQL database named DB1. Pipeline1 is used to deploy an app that will authenticate to DB1 by using a password.
You need to store the password in Vault1. The solution must ensure that the password can be accessed by Pipeline1.
What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 85
DRAG DROP - (Topic 4)
You use Extra beam Fusion SIEM and the Azure cloud platform.
You need to integrate Extra beam and Azure. The solution must use OAuth authentication. Which three actions should you perform in sequence? To answer, move the appropriate
actions from the list of actions to the answer area and arrange them in the correct order.

Actions

| Upload a certificate. |

| Create a client secret. |

| Register an Exabeam application in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra. |

| Configure the Exabeam Azure cloud connector. |

| Configure API permissions. |

Answer Area

1	
2	
3	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Actions

| Upload a certificate. |

| Create a client secret. |

| Register an Exabeam application in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra. |

| Configure the Exabeam Azure cloud connector. |

| Configure API permissions. |

Answer Area

1	Create a client secret.
2	Register an Exabeam application in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.
3	Configure the Exabeam Azure cloud connector.

NEW QUESTION 89
- (Topic 4)
Your company has a project in Azure DevOps for a new web application. The company identifies security as one of the highest priorities.
You need to recommend a solution to minimize the likelihood that infrastructure credentials will be leaked.
What should you recommend?

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

Answer: B

Explanation:
Azure Key Vault provides a way to securely store credentials and other keys and secrets. The Set-AzureKeyVaultSecret cmdlet creates or updates a secret in a key vault in Azure Key Vault.
References:
https://docs.microsoft.com/en-us/powershell/module/azurerm.keyvault/set- azurekeyvaultsecret

NEW QUESTION 90
HOTSPOT - (Topic 4)
You currently use JIRA, Jenkins, and Octopus as part of your DevOps processes. You plan to use Azure DevOps to replace these tools.
Which Azure DevOps service should you use to replace each tool? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

JIRA:
- Boards
- Build pipelines
- Release pipelines
- Repos

Jenkins:
- Boards
- Build pipelines
- Release pipelines
- Repos

Octopus:
- Boards
- Build pipelines
- Release pipelines
- Repos

A. Mastered
B. Not Mastered

Answer: A

Explanation:
JIRA- BoardJenkins- Build PipelinesOctopus- Release pipelines

NEW QUESTION 93
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Your company has a project in Azure DevOps for a new web application. You need to ensure that when code is checked in, a build runs automatically.
Solution: From the 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 94
- (Topic 4)
You manage an Azure web app that supports an e-commerce website.
You need to increase the logging level when the web app exceeds normal usage patterns. The solution must minimize administrative overhead.
Which two resources should you include in the solution? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

Answer: AB

Explanation:
A: You can use Azure Monitor to monitor base-level metrics and logs for most services in Azure. You can call Azure Automation run books by using action groups or by using classic alerts to automate tasks
based on alerts.
B: Metric Alert with Dynamic Thresholds detection leverages advanced machine learning (ML) to learn metrics' historical behavior, identify patterns and anomalies that indicate possible service issues. It
provides support of both a simple UI and operations at scale by allowing users to configure alert rules through the Azure Resource Manager API, in a fully
automated manner. Reference:
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-dynamic-thresholds
https://docs.microsoft.com/en-us/azure/automation/automation-create-alert-triggered- runbook

NEW QUESTION 95
- (Topic 4)
You have a project in Azure DevOps named Project1 that references an Azure Artifacts feed named Feed1. You have a package named Package1 that has the versions shown in the following table.

Version	Description
1.0.3	Manually pushed to Feed1
1.4.0	Manually pushed to Feed1
2.0.0	Available from an upstream source
2.3.1	Saved from an upstream source

You need to perform a build of Project1. Which version of Package1 will be used?

A. 1.0.3
B. 1.4.0
C. 2.0.0
D. 2.3.1

Answer: D

NEW QUESTION 98
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:
? The builds must access an on-premises dependency management system.
? The build outputs must be stored as Server artifacts in Azure DevOps.
? The source code must be stored in a Git repository in Azure DevOps.
Solution: Install and configure a self-hosted build agent on an on-premises machine. Configure the build pipeline to use the Default agent pool. Include the Java Tool Installer task in the build pipeline.
Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
Instead use Octopus Tentacle.
References:
https://explore.emtecinc.com/blog/octopus-for-automated-deployment-in-devops-models

NEW QUESTION 100
HOTSPOT - (Topic 4)
You plan to use Desired State Configuration (DSC) to maintain the configuration state of virtual machines that run Windows Server.
You need to perform the following:
? Install Internet Information Services (IIS) on the virtual machines.
? Update the default home page of the IIS web server.
How should you configure the DSC configuration file? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

```
Configuration WebServerConfig {
Import-DscResource -ModuleName PsDesiredStateConfiguration
Node 'localhost' {
            [▼]    WebServer {
    Service
    WindowsFeature
    WindowsOptionalFeature
    WindowsProcess

                Ensure = "Present"
                Name = "Web-Server"
        }

        [   ▼]   DefaultHomePage {
    Archive
    File
    Package
    Script

                Ensure = 'Present'
                SourcePath = '\\server1
\DSCResources\web\index.htm'
                DestinationPath = 'c:\inetpub\wwwroot'
        }
    }
}
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
 See the answer in image
Box 1: Windows Feature Example:
Configuration Website Test {
# Import the module that contains the resources we're using.
Import-Disc Resource –Module Name Ps Desired State Configuration
# The Node statement specifies which targets this configuration will be applied to. Node 'localhost' {
# The first resource block ensures that the Web-Server (IIS) feature is enabled. Windows Feature Web Server {
Ensure = "Present" Name = "Web-Server"
}
Box 2: File Example continued:
The second resource block ensures that the website content copied to the website root folder.
File Website Content { Ensure = 'Present'
Source Path = 'c:\test\index.htm' Destination Path = 'c:\inetpub \wwwroot'
}

NEW QUESTION 101
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
The lead developer at your company reports that adding new application features takes
longer than expected due to a large accumulated technical debt.
You need to recommend changes to reduce the accumulated technical debt. Solution: You recommend reducing the code coupling and the dependency cycles?
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead reduce the code complexity.
Note: Technical debt is the accumulation of sub-optimal technical decisions made over the lifetime of an application. Eventually, it gets harder and harder to change things: it's the 'sand in the gears' that sees IT initiatives grind to a halt.
Reference:
https://dzone.com/articles/fight-through-the-pain-how-to-deal-with-technical https://www.devopsgroup.com/blog/five-ways-devops-helps-with-technical-debt/

NEW QUESTION 104
- (Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

You plan to update the Azure DevOps strategy of your company.

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

? Licensing violations
? Prohibited libraries

Solution: You implement pre-deployment gates. Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:

Instead use implement continuous integration.

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

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

NEW QUESTION 109
- (Topic 4)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution

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

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

Solution: From the Continuous deployment trigger settings of the release pipeline, you enable the Pull request trigger setting.

Does the meet the goal?

A. Yes
B. No

Answer: B

Explanation:

In Visual Designer you enable continuous integration (CI) by:
? Select the Triggers tab.
? Enable Continuous integration.

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

NEW QUESTION 110
HOTSPOT - (Topic 4)
You have an Azure web app named webapp1 that uses the .NET Core runtime slack. You have an Azure Application insights resource named AppInsights1 that collects telemetry data generated by webapp1

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

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

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

From the code repository of webapp1:
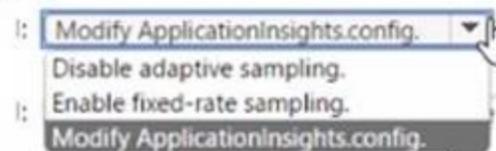
| Modify ApplicationInsights.config. ▼ |
| Disable adaptive sampling. |
| Enable fixed-rate sampling. |
| Modify ApplicationInsights.config. |

From AppInsights1:

| Modify the Usage and estimated costs settings. ▼ |
| Configure Continuous export. |
| Configure the Smart Detection settings. |
| Modify the Usage and estimated costs settings. |
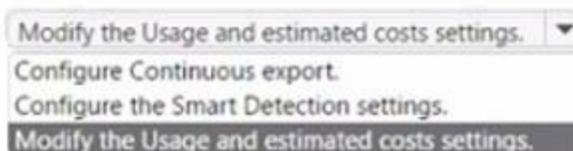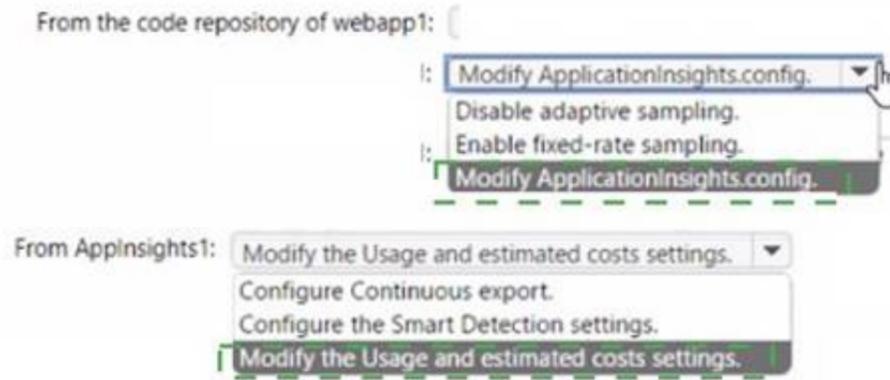
NEW QUESTION 115
- (Topic 4)
You are integrating Azure Pipelines and Microsoft Teams. You install the Azure Pipelines app in Microsoft Teams.
You have an Azure DevOps organization named Contoso that contains a project name Project1.
You subscribe to Project1 in Microsoft Teams.
You need to ensure that you only receive events about failed builds in Microsoft Teams. What should you do first?

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

Answer: A

Explanation:
To start monitoring all pipelines in a project, use the following command inside a channel:
@azure pipelines subscribe [project ur1]
The project URL can be to any page within your project (except URLs to pipelines). For example:
@azure pipelines subscribe https://dev.azure.com/myorg/myproject/ Reference:
https://docs.microsoft.com/en-us/azure/devops/pipelines/integrations/microsoft-teams

NEW QUESTION 120
HOTSPOT - (Topic 4)
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.
You 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.
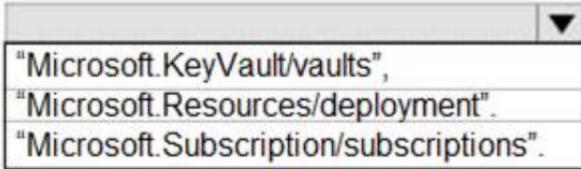
```
"resources":[
  {
    "apiversion": "2018-05-01",
    "name" : "secrets",
    "type":  [ ▼ ]
             "Microsoft.KeyVault/vaults",
             "Microsoft.Resources/deployment".
             "Microsoft.Subscription/subscriptions".
    "properties":{
        "mode" : "Incremental",
        [       ▼ ] :{
          "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 124
- (Topic 4)
You create a Microsoft ASP.NET Core application.
You plan to use Azure Key Vault to provide secrets to the application as configuration data. You need to create a Key Vault access policy to assign secret permissions to the
application. The solution must use the principle of least privilege. Which secret permissions should you use?

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

Answer: B

Explanation:
Application data plane permissions:
? Keys: sign
? Secrets: get
Reference:
https://docs.microsoft.com/en-us/azure/key-vault/key-vault-secure-your-key-vault

NEW QUESTION 127
DRAG DROP - (Topic 4)
You are deploying a new application that uses Azure virtual machines.
You plan to use the Desired State Configuration (DSC) extension on the virtual machines. You need to ensure that the virtual machines always have the same
Windows features
installed.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the
correct order.
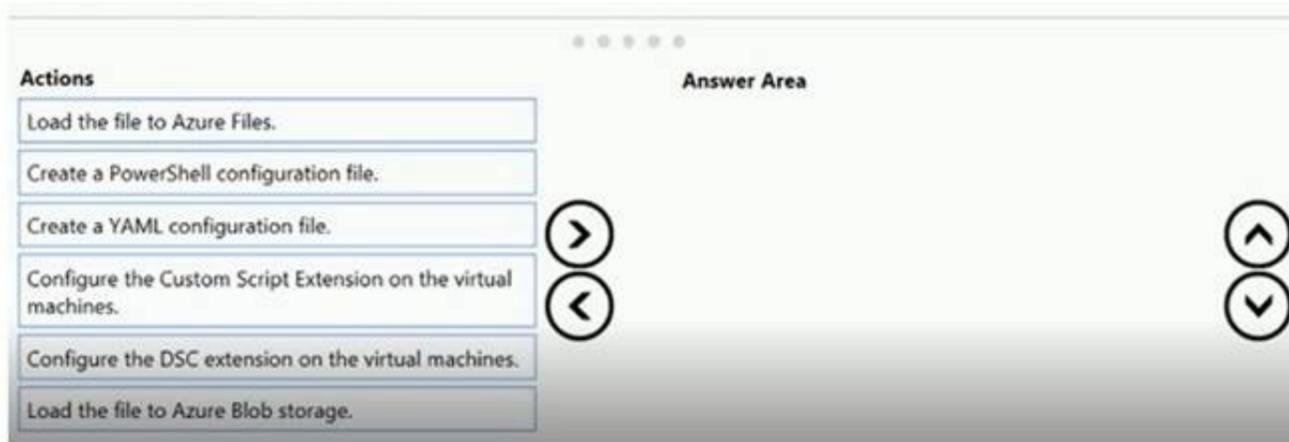
A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: Create a PowerShell configuration file
You create a simple PowerShell DSC configuration file.
Step 2: Load the file to Azure Blob storage
Package and publish the module to a publically accessible blob container URL
Step 3: Configure the Custom Script Extension on the virtual machines.
The Custom Script Extension downloads and executes scripts on Azure virtual machines.

NEW QUESTION 130
- (Topic 4)
You manage an Azure web app that supports an e-commerce website.
You need to increase the logging level when the web app exceeds normal usage patterns. The solution must minimize administrative overhead.
Which two resources should you include in the solution? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

Answer: BC

NEW QUESTION 132
- (Topic 4)
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 133
- (Topic 4)
Your company is concerned that when developers introduce open source libraries, it creates licensing compliance issues.
You need to add an automated process to the build pipeline to detect when common open source libraries are added to the code base.

What should you use?

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

Answer: C

Explanation:
WhiteSource is the leader in continuous open source software security and compliance management. WhiteSource integrates into your build process, irrespective of your programming languages, build tools, or development environments. It works automatically, continuously, and silently in the background, checking the security, licensing, and quality of your open source components against WhiteSource constantly-updated denitive database of open source repositories.
Azure DevOps integration with WhiteSource Bolt will enable you to:
? Detect and remedy vulnerable open source components.
? Generate comprehensive open source inventory reports per project or build.
? Enforce open source license compliance, including dependencies' licenses.
? Identify outdated open source libraries with recommendations to update.
References: https://www.azuredevopslabs.com/labs/vstsextend/WhiteSource/

NEW QUESTION 136
SIMULATION - (Topic 4)
You manage a website that uses an Azure SQL Database named db1 in a resource group named RG1lod11566895.
You need to modify the SQL database to protect against SQL injection. To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Set up Advanced Threat Protection in the Azure portal
* 1. Sign into the Azure portal.
* 2. Navigate to the configuration page of the server you want to protect. In the security settings, select Advanced Data Security.
* 3. On the Advanced Data Security configuration page:
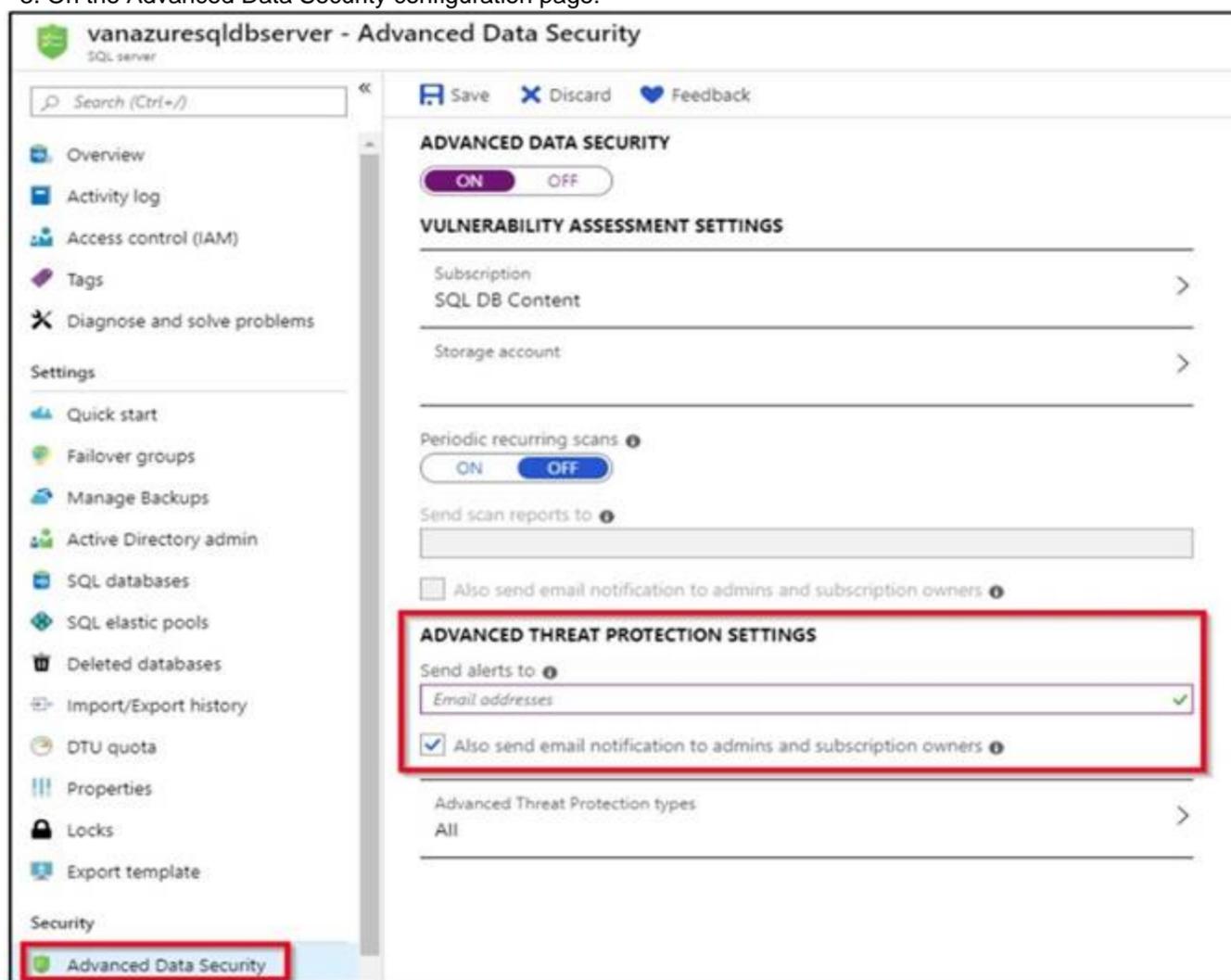
* 4. Enable Advanced Data Security on the server.
Note: Advanced Threat Protection for Azure SQL Database detects anomalous activities indicating unusual and potentially harmful attempts to access or exploit databases. Advanced Threat Protection can identify Potential SQL injection, Access from unusual location or data center, Access from unfamiliar principal or potentially harmful application, and Brute force SQL credentials

NEW QUESTION 141
- (Topic 4)
You have a Microsoft ASP.NET Core web app in Azure that is accessed worldwide.
You need to run a URL ping test once every five minutes and create an alert when the web app is unavailable from specific Azure regions. The solution must minimize development time.
What should you do?

A. Create an Azure Application Insights availability test and alert.

B. Create an Azure Service Health alert for the specific regions.
C. Create an Azure Monitor Availability metric and alert
D. Write an Azure function and deploy the function to the specific regions.

Answer: A

Explanation:
There are three types of Application Insights availability tests:
? URL ping test: a simple test that you can create in the Azure portal.
? Multi-step web test
? Custom Track Availability Tests
Note: After you've deployed your web app/website, you can set up recurring tests to monitor availability and responsiveness. Azure Application Insights sends web requests to your application at regular intervals from points around the world. It can alert you if your application isn't responding, or if it responds too slowly.
You can set up availability tests for any HTTP or HTTPS endpoint that is accessible from the public internet. You don't have to make any changes to the website you're testing. In fact, it doesn't even have to be a site you own. You can test the availability of a REST API that your service depends on.
Reference:
https://docs.microsoft.com/en-us/azure/azure-monitor/app/monitor-web-app-availability#create-a-url-ping-test

NEW QUESTION 144
- (Topic 4)
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 148
- (Topic 4)
You use Azure SQL Database Intelligent Insights and Azure Application Insights for monitoring.
You need to write ad-hoc queries against the monitoring data. Which query language should you use?

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

Answer: A

Explanation:
Azure Monitor Logs is based on Azure Data Explorer, and log queries are written using the same Kusto query language (KQL). This is a rich language designed to be easy to read and author, and you
should be able to start using it with minimal guidance. Reference:
https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/log-query-overview

NEW QUESTION 151
DRAG DROP - (Topic 4)
You have an Azure Repos Git repository named repo1.
You need to ensure that you can authenticate to repo1 by using SSH.
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions		Answer Area
Add the SSH private key.		
Save the SSH key to the root of repo1.		
Sign in to Azure DevOps.		
Create SSH keys by using ssh-keygen.		
Add the SSH public key.		
Clone repo1.		

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Actions	Answer Area
Add the SSH private key.	Sign in to Azure DevOps.
Save the SSH key to the root of repo1.	Create SSH keys by using ssh-keygen.
Sign in to Azure DevOps.	
Create SSH keys by using ssh-keygen.	Add the SSH public key.
Add the SSH public key.	
Clone repo1.	Clone repo1.

NEW QUESTION 155
- (Topic 4)
Your company hosts a web application in Azure. The company uses Azure Pipelines for the build and release management of the application.
Stakeholders report that the past few releases have negatively affected system performance.
You configure alerts in Azure Monitor.
You need to ensure that new releases are only deployed to production if the releases meet defined performance baseline criteria in the staging environment first
What should you use to prevent the deployment of releases that fail to meet the performance baseline?

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

Answer: C

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

NEW QUESTION 158
- (Topic 4)
You have a project in Azure DevOps named Project1 that contains two environments named environment1 and envkonment2.
When a new version of Project1 is released, the latest version is deployed to environment2, and the previous version is redeployed to environments
You need to distribute users across the environments. The solution must meet the following requirements:
• New releases must be available to only a subset of the users.
• You must gradually increase the number of users that can access environment2. What should you use?

A. web app deployment slots
B. Azure Traffic Manager
C. VIP swapping
D. Azure Load Balancer

Answer: A

NEW QUESTION 160
HOTSPOT - (Topic 4)
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.

NEW QUESTION 162
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You plan to 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: B

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

NEW QUESTION 164
- (Topic 4)
You have an existing build pipeline in Azure Pipelines.
You need to use incremental builds without purging the environment between pipeline executions.
What should you use?

A. a File Transform task
B. a self-hosted agent
C. Microsoft-hosted parallel jobs

Answer: B

Explanation:
When you run a pipeline on a self-hosted agent, by default, none of the subdirectories are cleaned in between two consecutive runs. As a result, you can do incremental builds and deployments, provided that tasks are implemented to make use of that. You can override this behavior using the workspace setting on the job.
Reference:
https://docs.microsoft.com/en-us/azure/devops/pipelines/process/phases

NEW QUESTION 165
- (Topic 4)
Your company uses Service Now for incident management. You develop an application that runs on Azure.
The company needs to generate a ticket in Service Now when the application fails to authenticate.
Which Azure Log Analytics solution should you use?

A. Automation & Control
B. IT Service Management Connector (ITSM)
C. Application 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 166
DRAG DROP - (Topic 4)
You are implementing a package management solution for a Node.js application by using Azure Artifacts.
You need to configure the development environment to connect to the package repository. The solution must minimize the likelihood that credentials will be leaked. Which file should you use to configure each connection? To answer, drag the appropriate files to the correct connections. Each file 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:
All Azure Artifacts feeds require authentication, so you'll need to store credentials for the feed before you can install or publish packages. npm uses .npmrc configuration files to store feed URLs and credentials. Azure DevOps Services recommends using two .npmrc files.
Feed registry information: The .npmrc file in the project
One .npmrc should live at the root of your git repo adjacent to your project's package.json. It should contain a "registry" line for your feed and it should not contain credentials since it will be checked into git.
Credentials: The .npmrc file in the user's home folder
On your development machine, you will also have a .npmrc in $home for Linux or Mac systems or $env.HOME for win systems. This .npmrc should contain credentials for all of the registries that you need to connect to. The NPM client will look at your project's .npmrc, discover the registry, and fetch matching credentials from $home/.npmrc or
$env.HOME/.npmrc.
References:
https://docs.microsoft.com/en-us/azure/devops/artifacts/npm/npmrc?view=azure- devops&tabs=windows

NEW QUESTION 169
SIMULATION - (Topic 4)
You need to ensure that the https://contoso.com/statushook webhook is called every time a repository named az40010480345acr1 receives a new version of an image named dotnetapp.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
? Sign in to the Azure portal.
? Navigate to the container registry az40010480345acr1.
? Under Services, select Webhooks.
? Select the existing webhook https://contoso.com/statushook, and double-click on it to get its properties.
? For Trigger actions select image push
Example web hook:
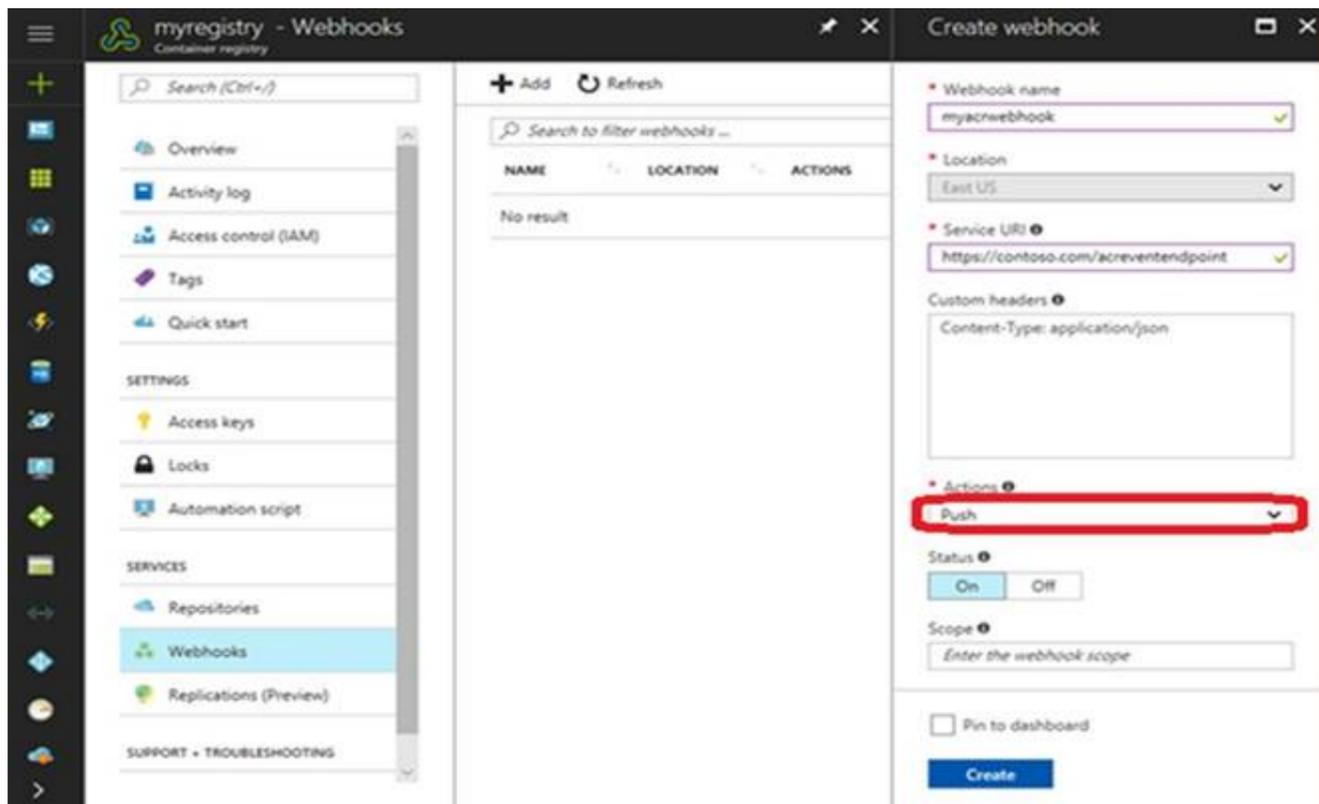
NEW QUESTION 171
- (Topic 4)
Your company uses Service Now for incident management. You develop an application that runs on Azure.
The company needs to generate a ticket in Service Now when the application fails to authenticate.
Which Azure Log Analytics solution should you use?

A. Application Insights Connector
B. Automation & Control
C. IT Service Management Connector (ITSM)
D. Insight & Analytics

Answer: C

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.
Reference:
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/itsmc-overview

NEW QUESTION 173
- (Topic 4)
You have an Azure DevOps project named Project1 and an Azure subscription named Sub1. Sub1 contains an Azure virtual machine scale set named VMSS1.
VMSS1 hosts a web application named
WebApp1. WebApp1 uses state full sessions.
The WebApp1 installation is managed by using the Custom Script extension. The script resides in an Azure Storage account named sa1.
You plan to make a minor change to a UI element of WebApp1 and to gather user feedback about the change.
You need to implement limited user testing for the new version of WebApp1 on VMSS1. Which three actions should you perform? Each correct answer presents part of the
solution.
NOTE: Each correct selection is worth one point.

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

Answer: BCD

NEW QUESTION 176
DRAG DROP - (Topic 4)
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.

Actions   **Answer Area**

| Run `helm init.` |

| Run `az aks install-connector.` |

| Create a YAML file. | ⊙ →
                              ⊙ ←   ⊙ ↑
                                         ⊙ ↓

| Run `az role assignment create` |

| Run `kubectl apply.` |

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 178
DRAG DROP - (Topic 4)
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 181

SIMULATION - (Topic 4)

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.

Graphical user

* 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: Query Store Runtime Statistics

Diagnostics settings ✕

🖫 Save   ✖ Discard   🗑 Delete

* Name

service ✓

☐ Archive to a storage account

☐ Stream to an event hub

☑ Send to Log Analytics

Subscription

Workload Insight dev/test subscription ⌄

Log Analytics Workspace

sqlanalytics356 (westcentralus) ⌄

LOG

☑ SQLInsights

☑ AutomaticTuning

☑ QueryStoreRuntimeStatistics

☑ QueryStoreWaitStatistics

☑ Errors

☑ DatabaseWaitStatistics

☑ Timeouts

☑ Blocks

☑ Deadlocks

METRIC

☑ Basic

* 8. For an advanced, one-minute-based monitoring experience, select the check box for Basic metrics.
* 9. Select Save.

NEW QUESTION 186
- (Topic 4)
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.

Add GitHub repositories

Add the GitHub repositories you want to use with your Azure Boards.

Filter by keywords

Viewing 4, 4 selected

- ✓ JamalHart/fabrikam-apps-2
- ✓ JamalHart/fabrikam-demo
- ✓ JamalHart/fabrikam-open-source
- ✓ JamalHart/fabrikam-suite

Save

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

NEW QUESTION 187
DRAG DROP - (Topic 4)
You are implementing a new project in Azure DevOps.
You need to assess the performance of the protect. The solution must identity the following metrics:
• How long it takes to complete a work item
* The percentage of defects found in production
Which DevOps KPI should you review for each metric? To answer drag the appropriate KPIs to the correct metric. Each KPI may be used once, more than once, or not at all. You may need to drag the spirt bar between panes or scroll to view content.
NOTE Each correct selection is worth one point.

KPIs		Answer Area	
Application failure rates		How long it takes to complete a work item:	
Bug report rates		The percentage of defects found in production:	
Burndown trend			
Cycle time			
Defect escape rate			
Deployment speed			
Lead time			
Mean time to recover			

A. Mastered
B. Not Mastered

Answer: A

Explanation:

KPIs		Answer Area	
Application failure rates		How long it takes to complete a work item:	Cycle time
Bug report rates		The percentage of defects found in production:	Bug report rates
Burndown trend			
Cycle time			
Defect escape rate			
Deployment speed			
Lead time			
Mean time to recover			

NEW QUESTION 188
DRAG DROP - (Topic 4)

You have an Azure Repos repository named repo1.
You need to clone repo1. The solution must clone only a directory named src/web.
How should you complete the script? To answer, drag the appropriate values to the correct targets,Each value may be used once, more than once, or not at all.
You may need to drag the spirt bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 189
- (Topic 4)
unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution
After you answer a question in this section, you will NOT be able to return to it. As a result these questions will not appear in the review screen.
You integrate a cloud-hosted Jenkins server and a new Azure DevOps deployment. You need Azure DevOps to send a notification to Jenkins when a developer commits
changes to a branch in Azure Repos.
Solution: You create a service hook subscription that uses the build completed event Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
You can create a service hook for Azure DevOps Services and TFS with Jenkins. However, the service subscription event should use the code pushed event, is triggered when the code is pushed to a Git repository.

NEW QUESTION 193
- (Topic 4)
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 198
- (Topic 4)
You use GitHub for source control and Azure Boards for project management. GitHub and Azure Boards are integrated.
You plan to create a pull request in GitHub.
You need to automatically link the request to an existing Azure Boards work item by using the text of AB#<WORKITEMNUMBER>.
To which two elements can you add the text? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. milestone
B. comment
C. title
D. description

E. label

Answer: CD

Explanation:
You can add the text "AB#<WORKITEMNUMBER>" to the title or description of the pull request in GitHub, which will automatically link the request to an existing Azure Boards work item with that number.
Reference:
Azure DevOps Docs: Link a work item to a pull request https://docs.microsoft.com/en- us/azure/devops/repos/git/pull-requests?view=azure-devops#link-a-work-item-to-a-pull- request
GitHub Docs: Creating a pull request https://docs.github.com/en-us/github/collaborating- with-issues-and-pull-requests/creating-a-pull-request

NEW QUESTION 201
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You use Azure Pipelines to build and test a React.js application. You have a pipeline that has a single job.
You discover that installing JavaScript packages from 9pm takes approximately five minutes each time you run the pipeline.
You need to recommend a solution to reduce the pipeline execution time. Solution: You recommend using pipeline artifacts.
Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 203
- (Topic 4)
You plan to share packages that you wrote, tested, validated, and deployed by using Azure Artifacts.
You need to release multiple builds of each package by using a single feed. The solution must limit the release of packages that are in development.
What should you use?

A. global symbols
B. local symbols
C. upstream sources
D. views

Answer: C

Explanation:
Views enable you to share subsets of the NuGet, npm, Maven, Python and Universal Packages package-versions in your feed with consumers. A common use for views is to share package versions that have been tested, validated, or deployed but hold back packages still under development and packages that didn't meet a quality bar. https://docs.microsoft.com/en-us/azure/devops/artifacts/concepts/views?view=azure-devops

NEW QUESTION 207
HOTSPOT - (Topic 4)
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 in 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:
 Graphical user
interface, text, application Description automatically generated
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

NEW QUESTION 212
DRAG DROP - (Topic 4)
Your company plans to deploy an application to the following endpoints:
? Ten virtual machines hosted in Azure
? Ten virtual machines hosted in an on-premises data center environment
All the virtual machines have the Azure Pipelines agent.
You need to implement a release strategy for deploying the application to the endpoints. What should you recommend using to deploy the application to the
endpoints? To answer,
drag the appropriate components to the correct endpoints. Each component 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: A deployment group
When authoring an Azure Pipelines or TFS Release pipeline, you can specify the deployment targets for a job using a deployment group.
If the target machines are Azure VMs, you can quickly and easily prepare them by installing the Azure Pipelines Agent Azure VM extension on each of the VMs, or
by using the Azure Resource Group Deployment task in your release pipeline to create a deployment group dynamically.
Box 2: A deployment group
References: https://docs.microsoft.com/en-us/azure/devops/pipelines/release/deployment- groups

NEW QUESTION 215
DRAG DROP - (Topic 4)

You are creating a container for an ASP.NET Core app.
You need to create a Dockerfile file to build the image. The solution must ensure that the size of the image is minimized.
How should you configure the file? To answer, drag the appropriate values to the correct targets. Each value must be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Answer Area

Values

| dotnet publish -c Release -o out |
| dotnet restore |
| microsoft/dotnet:2.2-aspnetcore-runtime |
| Microsoft/dotnet:2.2-sdk |

```
FROM  [                    ]  As build-env
COPY . /app/
WORKDIR /app
RUN   [                    ]
FROM  [                    ]
COPY --from=build-env /app/out /app
WORKDIR /app
ENTRYPOINT ["dotnet", " MvcMovie.dll"]
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: microsoft.com/dotnet/sdk:2.3
The first group of lines declares from which base image we will use to build our container on top of. If the local system does not have this image already, then docker will automatically try and fetch it. The mcr.microsoft.com/dotnet/core/sdk:2.1 comes packaged with the .NET core 2.1 SDK installed, so it's up to the task of building ASP .NET core projects targeting version 2.1
Box 2: dotnet restore
The next instruction changes the working directory in our container to be /app, so all commands following this one execute under this context.
COPY *.csproj ./ RUN dotnet restore
Box 3: microsoft.com/dotnet/2.2-aspnetcore-runtime
When building container images, it's good practice to include only the production payload and its dependencies in the container image. We don't want the .NET core SDK included in our final image because we only need the .NET core runtime, so the dockerfile is written to use a temporary container that is packaged with the SDK called build-env to build the app.

NEW QUESTION 220
DRAG DROP - (Topic 4)
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.

Build Agent Pools

| Hosted Windows Container |
| Hosted Ubuntu 1604 |
| Hosted macOS |
| Hosted |
| Default |

Answer Area

An application that runs on iOS: [   ]

An Internet Information Services (IIS) web application that runs in Docker: [   ]

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 224
- (Topic 4)
You manage source code control and versioning by using GitHub. A large file it committed to a repository accidentally.
You need to reduce the size of the repository. The solution must remove the file from the repository.
What should you use?

A. bfg
B. 1fs
C. gvfs
D. init

Answer: A

NEW QUESTION 228
SIMULATION - (Topic 4)
SIMULATION
You need to create and configure an Azure Storage account named az400lod11566895stor in a resource group named RG1lod11566895 to store the boot diagnostics for a virtual
machine named VM1.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: To create a general-purpose v2 storage account in the Azure portal, follow these steps:
On the Azure portal menu, select All services. In the list of resources, type Storage Accounts. As you begin typing, the list filters based on your input. Select Storage Accounts. On the Storage Accounts window that appears, choose Add.
Select the subscription in which to create the storage account. Under the Resource group field, select RG1lod11566895
Next, enter a name for your storage account named: az400lod11566895stor Select Create.
Step 2: Enable boot diagnostics on existing virtual machine
To enable Boot diagnostics on an existing virtual machine, follow these steps: Sign in to the Azure portal, and then select the virtual machine VM1.
In the Support + troubleshooting section, select Boot diagnostics, then select the Settings tab.
In Boot diagnostics settings, change the status to On, and from the Storage account drop- down list, select the storage account az400lod11566895stor.
Save the change.
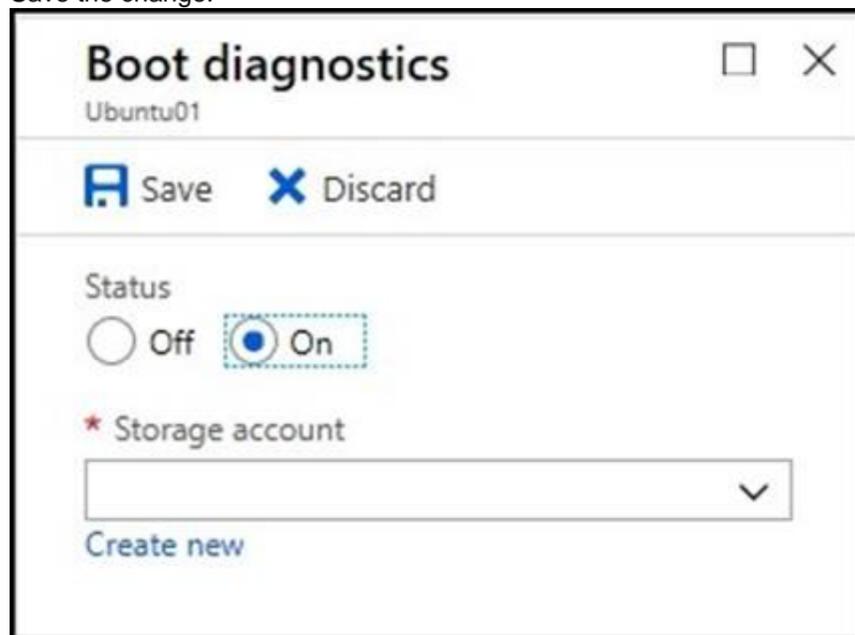
You must restart the virtual machine for the change to take effect.

NEW QUESTION 233
DRAG DROP - (Topic 4)
You need to increase the security of your team's development process.
Which type of security tool should you recommend for each stage of the development process? To answer, drag the appropriate security toots to the correct stages. Each security tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 234
- (Topic 4)
You are automating the build process for a Java-based application by using Azure DevOps. You need to add code coverage testing and publish the outcomes to the pipeline.
What should you use?

A. Cobertura
B. Bullseye Coverage
C. MSTest
D. Coverlet

Answer: A

Explanation:
Use Publish Code Coverage Results task in a build pipeline to publish code coverage results to Azure Pipelines or TFS, which were produced by a build in Cobertura or JaCoCo format.
Reference:
https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/test/publish-code-coverage- results

NEW QUESTION 236
- (Topic 4)
You use Azure SQL Database Intelligent Insights and Azure Application Insights foe monitoring.
You need to write ad-hoc Queries against the monitoring data. Which Query language should you use?

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

Answer: C

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

NEW QUESTION 240
DRAG DROP - (Topic 4)
You need to deploy a new project in Azure DevOps that has the following requirements:
• The lead developer must be able to create repositories, manage permissions, manage policies, and contribute to the repository.
• Developers must be able to contribute to the repository and create branches, but NOT bypass policies when pushing builds.
• Project managers must only be able to view the repository.
• The principle of least privilege must be used.
You create a new Azure DevOps project team for each role.
To which Azure DevOps groups should you add each team? To answer, drag the appropriate groups to the correct teams. Each group may be used once, more than once, or not at
all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.
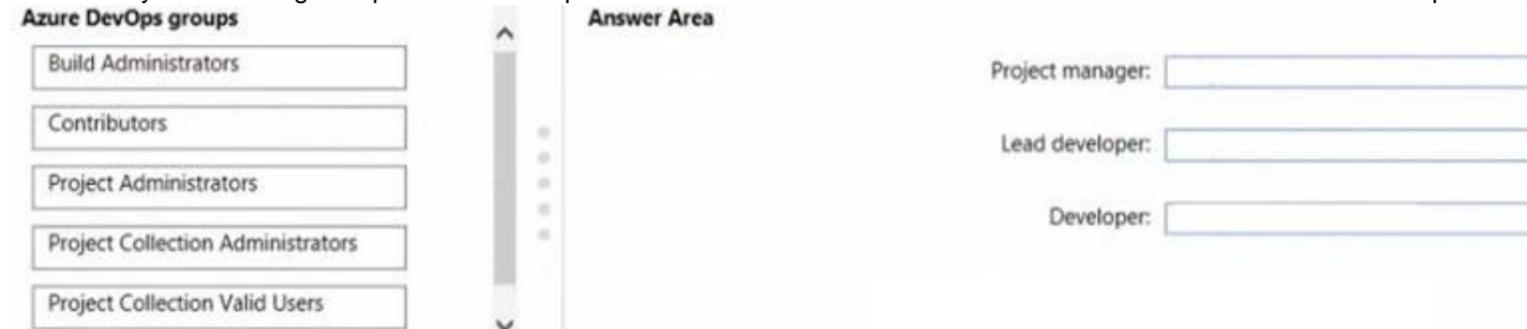
A. Mastered
B. Not Mastered

Answer: A

Explanation:
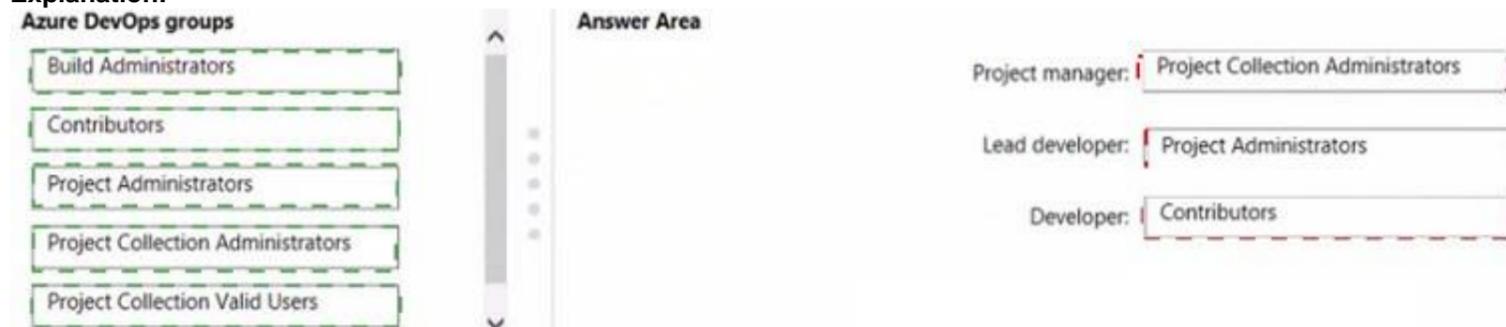
NEW QUESTION 245
DRAG DROP - (Topic 4)

Your company wants to use Azure Application Insights to understand how user behaviors affect an application.
Which Application Insights tool should you use to analyze each behavior? To answer, drag the appropriate tools to the correct behaviors. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: User Flows
The User Flows tool visualizes how users navigate between the pages and features of your site. It's great for answering questions like:
How do users navigate away from a page on your site? What do users click on a page on your site?
Where are the places that users churn most from your site?
Are there places where users repeat the same action over and over? Box 2: Users
Counting Users: The user behavior analytics tools don't currently support counting users or sessions based on properties other than anonymous user ID, authenticated user ID, or session ID.
Box 3: Impact
Impact analyzes how load times and other properties influence conversion rates for various parts of your app. To put it more precisely, it discovers how any dimension of a page view, custom event, or request affects the usage of a different page view or custom event.

NEW QUESTION 250
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each
question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:
? The builds must access an on-premises dependency management system.
? The build outputs must be stored as Server artifacts in Azure DevOps.
? The source code must be stored in a Git repository in Azure DevOps.
Solution: Configure the build pipeline to use a Hosted VS 2017 agent pool. Include the Java Tool Installer task in the build pipeline.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead use Octopus Tentacle.
References:
https://explore.emtecinc.com/blog/octopus-for-automated-deployment-in-devops-models

NEW QUESTION 251
- (Topic 4)
You use GitHub for source control
You are evaluating whether to use proxying to add a private upstream MyGet package feed to your MyGet feed. What are two possible advantages of this approach? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

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

Answer: BC

NEW QUESTION 256
HOTSPOT - (Topic 4)
You have the Azure DevOps pipeline shown in the following exhibit.
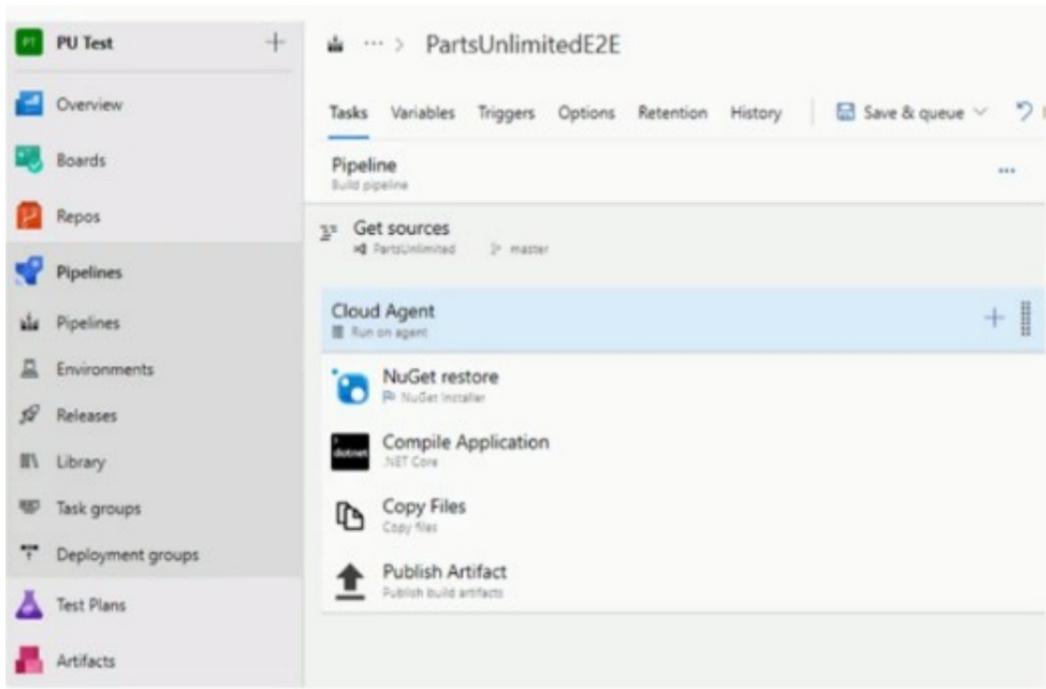
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 259
- (Topic 4)
You are designing the security validation strategy for a project in Azure DevOps.
You need to identify package dependencies that have known security issues and can be resolved by an
update.
What should you use?

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

Answer: D

Explanation:
With enterprise level of SonarQube you can use OWASP that runs the security scans for known vulnerabilities. https://www.sonarqube.org/features/security/
https://www.sonarqube.org/features/security/owasp/?gclid=Cj0KCQiAzZL- BRDnARIsAPCJs70Teq0-efl2Hd_h-
kykCB7l_C7L88Q7kpiuTzuD6Xw1jUb6ZqlP7O0aApVzEALw_wcB

NEW QUESTION 262
- (Topic 4)
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 eighthour.
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 265
- (Topic 4)
You plan to use a NuGet package in a project in Azure DevOps. The NuGet package is in a feed that requires authentication.
You need to ensure that the project can restore the NuGet package automatically. What should the project use to automate the authentication?

A. an Azure Automation account
B. an Azure Artifacts Credential Provider
C. an Azure Active Directory (Azure AD) account that has multi-factor authentication (MFA) enabled
D. an Azure Active Directory (Azure AD) service principal D18912E1457D5D1DDCBD40AB3BF70D5D

Answer: B

Explanation:
The Azure Artifacts Credential Provider automates the acquisition of credentials needed to restore NuGet
packages as part of your .NET development workflow. It integrates with MSBuild, dotnet, and NuGet(.exe) and works on Windows, Mac, and Linux. Any time you want to use packages from an Azure Artifacts feed, the Credential Provider will automatically acquire and securely store a token on behalf of the NuGet client you're using.
Reference:
https://github.com/Microsoft/artifacts-credprovider

NEW QUESTION 269
- (Topic 4)
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 that is configured for autoscaling.
You have a project in Azure DevOps named Project1. Project1 is used to build a web app named App1 and deploy App1 to VMSS1.
You need to ensure that an email alert is generated whenever VMSS1 scales in or out. Solution: From Azure DevOps, configure the Notifications settings for Project1.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Notifications help you and your team stay informed about activity that occurs within your projects in Azure DevOps. You can get notified when changes occur to the following items:
? work items
? code reviews
? pull requests
? source control files
? builds
Reference:
https://docs.microsoft.com/en-us/azure/devops/notifications/about- notifications?view=azure-devops

NEW QUESTION 272
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an Azure DevOps project.
Your build process creates several artifacts.
You need to deploy the artifacts to on-premises servers.
Solution: You deploy an Octopus Deploy server. You deploy a polled Tentacle agent to an on-premises server. You add an Octopus task to the deployment pipeline.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead you should deploy an Azure self-hosted agent to an on-premises server.
Note: To build your code or deploy your software using Azure Pipelines, you need at least one agent.
If your on-premises environments do not have connectivity to a Microsoft-hosted agent pool (which is typically the case due to intermediate firewalls), you'll need to manually configure a self-hosted agent on on-premises computer(s).
Reference:
https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/agents?view=azure- devops

NEW QUESTION 273
- (Topic 4)
You are designing a YAML template for use with Azure Pipelines. The template Will include the Outputfile parameter.
Which two methods can you use to reference the parameter? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. `$(parameters['outputfile'])`

B. `${{parameters.outputfile}}`

C. `$(parameters.outputfile)`

D. `$(parameters[outputfile])`

E. `${{parameters['outputfile']}}`

A. Option A
B. Option B
C. Option C
D. Option D
E. Option E

Answer: CD

NEW QUESTION 278
- (Topic 4)
You manage a project by using Azure Boards. You manage the project code by using GitHub.
You have three work items that have IDs of 456. 457. and 458.
You need to create a pull request that will be linked to all the work items. The solution must set the state of work item 456 to done.
What should you add to the commit message?
A)

```
Fixes #456, #457, #458
```

B)

```
Fixes #AB456, #AB457, #AB458
```

C)

```
#456, #457, #458
Completed #456
```

D)

```
#AB456, #AB457, #AB458
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

NEW QUESTION 283
- (Topic 4)
Your company creates a web application.
You need to recommend a solution that automatically sends to Microsoft Teams a dairy summary of the exceptions that occur m the application.
Which two Azure services should you recommend? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

Answer: CE

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

NEW QUESTION 285
- (Topic 4)
Your company is building a new solution in Java.
The company currently uses a SonarQube server to analyze the code of .NET solutions. You need to analyze and monitor the code quality of the Java solution. Which task types should you add to the build pipeline?

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

Answer: B

Explanation:
SonarQube is a set of static analyzers that can be used to identify areas of improvement in
your code. It allows you to analyze the technical debt in your project and keep track of it in the future. With Maven and Gradle build tasks, you can run SonarQube
analysis with minimal setup in a new or existing Azure DevOps Services build task.
References:
https://docs.microsoft.com/en-us/azure/devops/java/sonarqube?view=azure-devops

NEW QUESTION 288
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You manage a project in Azure DevOps.
You need to prevent the configuration of the project from changing over time. Solution: Implement Continuous Assurance for the project.
Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
The basic idea behind Continuous Assurance (CA) is to setup the ability to check for "drift" from what is considered a secure snapshot of a system. Support for Continuous Assurance
lets us treat security truly as a 'state' as opposed to a 'point in time' achievement. This is particularly important in today's context when 'continuous change' has become a norm.
There can be two types of drift:
? Drift involving 'baseline' configuration: This involves settings that have a fixed number of possible states (often pre-defined/statically determined ones). For instance, a SQL DB can have TDE encryption turned ON or OFF…or a Storage Account may have auditing turned ON however the log retention period may be less than 365 days.
? Drift involving 'stateful' configuration: There are settings which cannot be constrained within a finite set of well-known states. For instance, the IP addresses configured to have access to a SQL DB can be any (arbitrary) set of IP addresses. In such scenarios, usually human judgment is initially required to determine whether a particular configuration should be considered 'secure' or not. However, once that is done, it is important to ensure that there is no "stateful drift" from the attested configuration. (E.g., if, in a troubleshooting session, someone adds the IP address of a developer machine to the list, the Continuous Assurance feature should be able to identify the drift and generate notifications/alerts or even trigger 'auto-remediation' depending on the severity of the change).
Reference:
https://azsk.azurewebsites.net/04-Continous-Assurance/Readme.html

NEW QUESTION 290
- (Topic 4)
You have an Azure DevOps organization named Contoso and an Azure DevOps project named Project1.
You plan to use Microsoft-hosted agents to build container images that will host full Microsoft .NET Framework apps in a YAML pipeline in Project1.
What are two possible virtual machine images that you can use for the Microsoft-hosted agent pool? Each
correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

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

Answer: AE

Explanation:
https://github.com/microsoft/azure-pipelines-image-
generation/blob/d80f81d6c98f8ce2c74b034309bb774ea8d31cfb/images/win/Vs2015-Server2012R2-Readme.md
https://github.com/actions/virtual-environments/blob/master/images/win/Windows2016- Readme.md

NEW QUESTION 295
- (Topic 4)

You have project in Azure DevOps.
You create the following template named Template1.yml.

```
steps:
- script: npm install
- script: yarn install
- script: npm run compile
```

You create the following pipeline named File1.yml.

```
parameters:
usersteps:
- task: MyTask@1
- script: echo Done
```

You need to ensure that Template1.yaml runs before File1.yml. How should you update File1.yml?

A. `parameters: usersteps: extends:  template: template1.yml - task: MyTask@1 - script: echo Done`

B. `extends:  template: template1.yml parameters: usersteps: - task: MyTask@1 - script: echo Done`

C. `parameters: usersteps: - template: template1.yml - task: MyTask@1 - script: echo Done`

D. `template: template1.yml parameters: usersteps: - task: MyTask@1 - script: echo Done`

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 298
DRAG DROP - (Topic 4)
You are building an application that has the following assets:
? Source code
? Logs from automated tests and builds
? Large and frequently updated binary assets
? A common library used by multiple applications
Where should you store each asset? To answer, drag the appropriate Azure services to the correct assets. Each service may be used once. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Azure Services	Answer Area	
Azure Artifacts	Source code:	Azure Service
Azure Pipelines	A common library used by multiple applications:	Azure Service
Azure Repos	Logs from automated tests and builds:	Azure Service
Azure Storage	Large and frequently updated binary assets:	Azure Service
Azure Test Plans		

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Azure Repos Box 2: Azure Artifacts

Use Azure Artifacts to create, host, and share packages with your team.
Box 3: Azure Pipelines
In the pipeline view you can see all the stages and associated tests. The view provides a summary of the test results
Box 4: Azure Storage

NEW QUESTION 302
- (Topic 4)
You are automating the testing process for your company. You need to automate UI testing of a web application. Which framework should you use?

A. JaCoco
B. Playwright
C. Xamarin.UITest
D. Microsoft.CodeAnalysis

Answer: B

Explanation:
Performing user interface (UI) testing as part of the release pipeline is a great way of detecting unexpected changes, and need not be difficult. Selenium can be used to test your website during a continuous deployment release and test automation.
References:
https://docs.microsoft.com/en-us/azure/devops/pipelines/test/continuous-test-selenium?view=azure-devops

NEW QUESTION 303
- (Topic 4)
Note: This question is part of a series les 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 m this section, you will NOT be able to return to it As a result, these questions will not appear in the review screen
You integrate a cloud-hosted Jenkins server and a new Azure Dev Ops deployment. You need Azure Dev Ops lo send a notification to Jenkins when a developer commits
changes to a branch in Azure Repos.
Solution: You create an email subscription to an Azure DevOps notification. Does this meet the goal?

A. Yes
B. NO

Answer: B

Explanation:
You can create a service hook for Azure DevOps Services and TFS with Jenkins.
References:
https://docs.microsoft.com/en-us/azure/devops/service-hooks/services/jenkins

NEW QUESTION 306
DRAG DROP - (Topic 4)
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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, chat or text message Description automatically generated
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: Burn down
Burn down charts focus on remaining work within a specific time period.

NEW QUESTION 307

HOTSPOT - (Topic 4)
You have an Azure web app named Webapp1.
You need to use an Azure Monitor query to create a report that details the top 10 pages of Webapp1 that failed.
How should you complete the query? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

```
exceptions
pageViews
requests
traces
```

```
| where    duration == 0
          itemType == "availabilityResult"
          resultCode == "200"
          success == false

| summarize failedCount=sum(itemCount) by name, resultCode
| top 10 by failedCount desc
| render barchart
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: requests
Failed requests (requests/failed):
The count of tracked server requests that were marked as failed. Kusto code:
requests
| where success == 'False' Box 2: success == false

NEW QUESTION 311
- (Topic 4)
You use GitHub for source control and project-related discussions.
You receive a notification when an entry is made to any team discussion.
You need to ensure that you receive email notifications only for discussions in which you commented or in which you are mentioned.
Which two Notifications settings should you clear? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

Answer: BD

NEW QUESTION 314
- (Topic 4)
You are building an ASP.NET Core application.
You plan to create an application utilization baseline by capturing telemetry data.
You need to add code to the application to capture the telemetry data. The solution must minimize the costs of storing the telemetry data.
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

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

Answer: CE

Explanation:
"Fixed-rate sampling reduces the volume of telemetry sent from both your ASP.NET or ASP.NET Core or Java server and from your users' browsers. You set the rate. The client and server will synchronize their sampling so that, in Search, you can navigate between related page views and requests."
https://docs.microsoft.com/en- us/azure/azure-monitor/app/sampling
https://docs.microsoft.com/en-us/azure/azure-monitor/app/asp-net-core https://docs.microsoft.com/en-us/azure/azure-monitor/app/sampling#configuring-adaptive-sampling-for-aspnet-core-applications

NEW QUESTION 315
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Your company uses Azure DevOps to manage the build and release processes for applications.
You use a Git repository for applications source control.
You need to implement a pull request strategy that reduces the history volume in the master branch.
Solution: You implement a pull request strategy that uses fast-forward merges. Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
No fast-forward merge - This option merges the commit history of the source branch when the pull request closes and creates a merge commit in the target branch.
Reference:
https://docs.microsoft.com/en-us/azure/devops/repos/git/branch-policies

NEW QUESTION 318
DRAG DROP - (Topic 3)
You need to configure authentication for App1. The solution must support the planned changes.
Which three actions should you perform in sequence? To answer, move all 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:
Woodgrove Bank plans to implement the following changes to the identity environment:
? Configure App1 to use a service principal.

NEW QUESTION 321
DRAG DROP - (Topic 3)
You are configuring the Azure DevOps dashboard. The solution must meet the technical requirements.
Which widget should you use for each metric? To answer, drag the appropriate widgets to the correct metrics. Each widget may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Widgets

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

Metrics

1: [_____]

2: [_____]

3: [_____]

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 325
- (Topic 3)
You need to configure Azure Pipelines to control App2 builds. Which authentication method should you use?

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

Answer: D

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

NEW QUESTION 328
HOTSPOT - (Topic 3)
You need to configure the alert for VM1. The solution must meet the technical requirements.
Which two settings should you configure? To answer, select the appropriate settings in the answer area.
NOTE: Each correct selection is worth one point.

Alert logic

Threshold ⓘ

[Static] [Dynamic]

Operator ⓘ	Aggregation type * ⓘ	Threshold value * ⓘ
Greater than ⌄	Average ⌄	⌄
		%

Condition preview

Whenever the average percentage cpu is greater than <logic undefined> %

Evaluated based on

| Aggregation granularity (Period) * ⓘ | Frequency of evaluation ⓘ |
| 5 minutes ⌄ | Every 1 Minute ⌄ |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Setting 1: Threshold value Set to 80 %
Scenario: An Azure Monitor alert for VM1 must be configured to meet the following requirements:
? Be triggered when average CPU usage exceeds 80 percent for 15 minutes.
? Calculate CPU usage averages once every minute.
Setting 2: Aggregation granularity Set to 15 minutes.

NEW QUESTION 333
- (Topic 3)
You plan to deploy a new database environment. The solution must meet the technical requirements. You need to prepare the database for the deployment. How should you format the export?

A. NDF
B. MDF
C. BACPAC
D. DACPAC

Answer: D

NEW QUESTION 334
DRAG DROP - (Topic 2)
You need to implement the code flow strategy for Project2 in Azure DevOps.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: Create a repository
A Git repository, or repo, is a folder that you've told Git to help you track file changes in. You can have any number of repos on your computer, each stored in their own folder.
Step 2: Create a branch
Branch policies help teams protect their important branches of development. Policies enforce your team's code quality and change management standards.
Step 3: Add a build validation policy
When a build validation policy is enabled, a new build is queued when a new pull request is created or when changes are pushed to an existing pull request targeting this branch. The build policy then evaluates the results of the build to determine whether the pull request can be completed.
Scenario:
Implement a code flow strategy for Project2 that will: Enable Team2 to submit pull requests for Project2.
Enable Team2 to work independently on changes to a copy of Project2.
Ensure that any intermediary changes performed by Team2 on a copy of Project2 will be subject to the same restrictions as the ones defined in the build policy of Project2.

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

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

NEW QUESTION 338
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