Exam Questions AZ-400

Microsoft Azure DevOps Solutions (beta)

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

NEW QUESTION 1
SIMULATION - (Topic 4)
You need to create a notification if the peak average response time of an Azure web app named az400-9940427-main is more than five seconds when evaluated during a five- minute period. The notification must trigger the "https://contoso.com/notify" webhook.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

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

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

NEW QUESTION 2
- (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 3
- (Topic 4)
Your company has a hybrid cloud between Azure and Azure Stack.
The company uses Azure DevOps for its CI/CD pipelines. Some applications are built by using Erlang and Hack.
You need to ensure that Erlang and Hack are supported as part of the build strategy across the hybrid cloud. The solution must minimize management overhead.
What should you use to execute the build pipeline?

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

Answer: B

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

NEW QUESTION 4
- (Topic 4)
You have an Azure subscription that contains an Azure Active Directory (Azure AD) tenant. You are configuring a build pipeline in Azure Pipelines that will include a task named
Task1. Task1 will authenticate by using an Azure AD service principal.
Which three values should you configure for Task1? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

Answer: BCD

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

NEW QUESTION 5
- (Topic 4)
You use Azure Pipelines to build and test code projects. You notice an increase in cycle times.
You need to identify whether agent pool exhaustion is causing the issue.
What are two possible ways to achieve this goal? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. View the Pipeline duration report.
B. Query the PipelineRun/PipelineRuns endpoint.
C. View the pool consumption report at the organization level.
D. Query the TaskAgentPoolSizeSnapshots endpoint

Answer: CD

NEW QUESTION 6
- (Topic 4)
Your company has a project in Azure DevOps for a new application. The application will be deployed to several Azure virtual machines that run Windows Server 2022. You need to recommend a deployment strategy for the virtual machines. The strategy must meet the following requirements:
• Ensure that the virtual machines maintain a consistent configuration.
• Minimize administrative effort to configure the virtual machines. What should you include in the recommendation?

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

Answer: C

NEW QUESTION 7
HOTSPOT - (Topic 4)

You have a project in Azure DevOps that contains a Continuous Integration/Continuous Deployment (CI/CD) pipeline.
You need to enable detailed logging by defining a pipeline variable.
Mow should you configure the variable? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Name:	System.Debug ▼
	Debug
	Log
	System.Debug
	System.Log

Value:	true ▼
	1
	detailed
	true

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer Area

Name:	System.Debug ▼
	Debug
	Log
	System.Debug
	System.Log

Value:	true ▼
	1
	detailed
	true
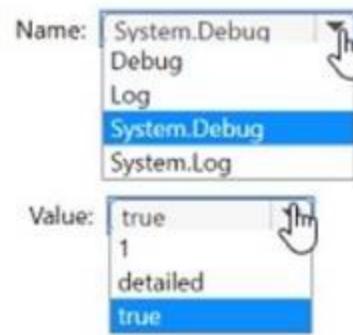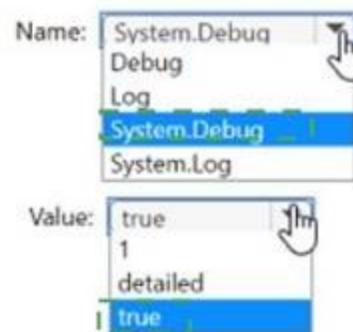
NEW QUESTION 8
HOTSPOT - (Topic 4)
Your company uses Team Foundation Server 2013 (TFS 2013). You plan to migrate to Azure DevOps.
You need to recommend a migration strategy that meets the following requirements:
? Preserves the dates of Team Foundation Version Control changesets
? Preserves the changes dates of work items revisions
? Minimizes migration effort
? Migrates all TFS artifacts
What should you recommend? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

On the TFS server:	▼
	Install the TFS Java SDK.
	Upgrade TFS to the most recent RTW release.
	Upgrade to the most recent version of PowerShell Core.
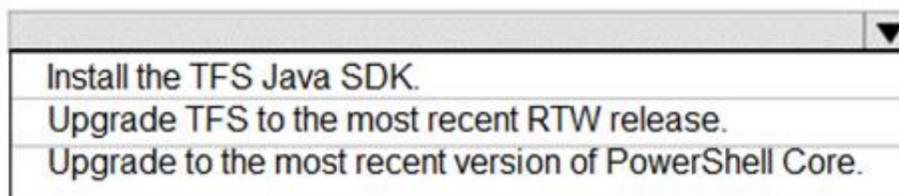
To perform the migration:	▼
	Copy the assets manually.
	Use public API-based tools.
	Use the TFS Database Import Service.
	Use the TFS Integration Platform.
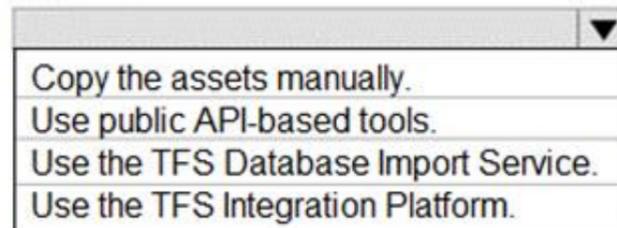
A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Upgrade TFS to the most recent RTM release.
One of the major prerequisites for migrating your Team Foundation Server database is to get your database schema version as close as possible to what is currently deployed in Azure Devops Services.
Box 2: Use the TFS Database Import Service
In Phase 3 of your migration project, you will work on upgrading your Team Foundation Server to one of the supported versions for the Database Import Service in Azure Devops Services.
References: Team Foundation Server to Azure Devops Services Migration Guide

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 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 10
- (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 13
- (Topic 4)
You have an Azure subscription that contains a Log Analytics workspace named WS1 and a virtual machine named VM1.
You need to install the Microsoft Enterprise Cloud Monitoring extension on VM1.
Which two values are required to configure the extension? Each correct answer presents part of the solution.
NOTE: Each correct answer is worth one point.

A. the secret key of WS1
B. the ID of the subscription
C. the system-assigned managed identity of VM1
D. theIDofWS1
E. the resource ID of VM1

Answer: DE

NEW QUESTION 17
- (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 20
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You 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 25
- (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 29
- (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 33
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.

Answer Area

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Answer Area

Store the password as a: | Secret ▼
Certificate
Key
Secret

Grant Pipeline1 access to Vault1 by modifying the: | Access policies ▼
Access control (IAM) settings
Access policies
Security settings

NEW QUESTION 38
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 43
DRAG DROP - (Topic 4)
You are defining release strategies for two applications as shown in the following table.

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

Which release strategy should you use for each application? To answer, drag the
appropriate release strategies to the correct applications. Each release strategy may be used once, more than once, or not at all. You may need to drag the split
bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Release Strategies

Blue/Green deployment

Canary deployment

Rolling deployment

Answer Area:

App1: [   ]

App2: [   ]

A. Mastered
B. Not Mastered

Answer: A

Explanation:
App1: Canary deployment
With canary deployment, you deploy a new application code in a small part of the production infrastructure. Once the application is signed off for release, only a few users
are routed to it. This minimizes any impact.
With no errors reported, the new version can gradually roll out to the rest of the infrastructure.
App2: Rolling deployment:
In a rolling deployment, an application's new version gradually replaces the old one. The actual deployment happens over a period of time. During that time, new and old versions will coexist without affecting functionality or user experience. This process makes it easier to roll back any new component incompatible with the old components.

NEW QUESTION 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 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 52
- (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 56
SIMULATION - (Topic 4)
You have several apps that use an Azure SQL Database named db1.
You need to ensure that queries to db1 are tuned by Azure over time. The solution must only apply to db1.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
* 1. To enable automatic tuning on a single database, navigate to the database in the Azure portal and select Automatic tuning.
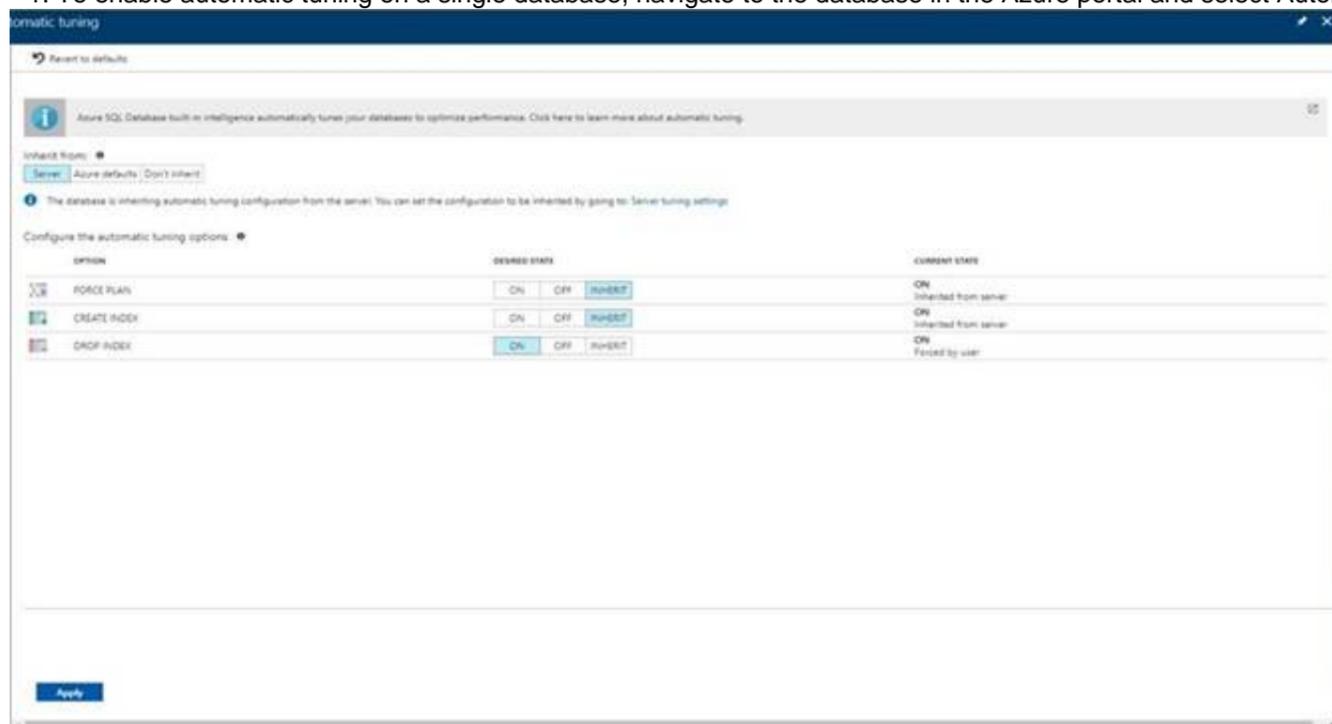
* 2. Select the automatic tuning options you want to enable and select Apply.
Note: Individual automatic tuning settings can be separately configured for each database. You can manually configure an individual automatic tuning option, or specify that an option inherits its settings from the server.

NEW QUESTION 61
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 Applnsights1 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 Applnsights1 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.
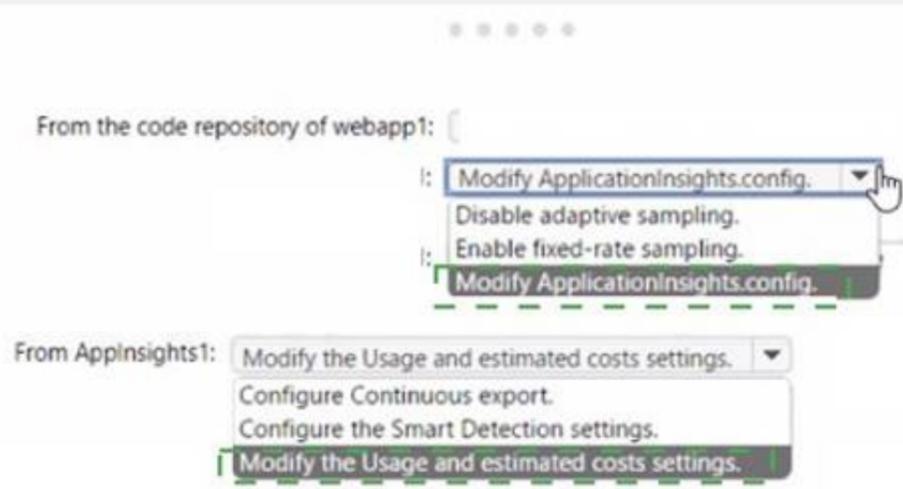
NEW QUESTION 64
- (Topic 4)
You have an Azure key vault named KV1 and three web servers. You plan to deploy an app named App1 to the web server.
You need to ensure that App1 can retrieve a secret from KV1. The solution must meet the following requirements:
• Minimize the number of permission grants required
• Follow the principle of least privilege. What should you include in the solution?

A. role-based access control (RBAQ permissions
B. a system-assigned managed identity
C. a user-assigned managed identity
D. a service principal

Answer: B

NEW QUESTION 66
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"
```
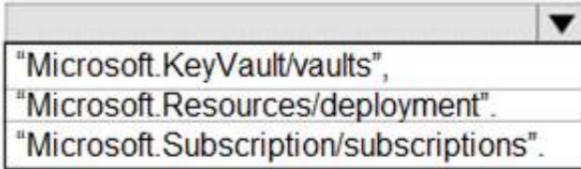
```
contentVersion" : "1.0.0.0",
        "uri" : "[uri(parameters('_artifactsLocation'),
        concat('./nested/sqlserver.json',
        parameters('_artifactsLocationSasToken')))]"
    },
    "parameters":{
        "secret":{
            "reference":{
                "keyVault":{
                    "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 68
DRAG DROP - (Topic 4)
You have an Azure Key Vault that contains an encryption key named key1. You plan to create a Log Analytics workspace that will store logging data. You need to encrypt the workspace by using key1.
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
Register the Azure subscription to allow cluster creation.	
Enable soft delete for the key vault.	
Create a Log Analytics cluster.	
Grant permissions to the key vault.	
Link the workspace.	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Actions	Answer Area
Register the Azure subscription to allow cluster creation.	Enable soft delete for the key vault.
Enable soft delete for the key vault.	Create a Log Analytics cluster.
Create a Log Analytics cluster.	Grant permissions to the key vault.
Grant permissions to the key vault.	Link the workspace.
Link the workspace.	

NEW QUESTION 73

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.
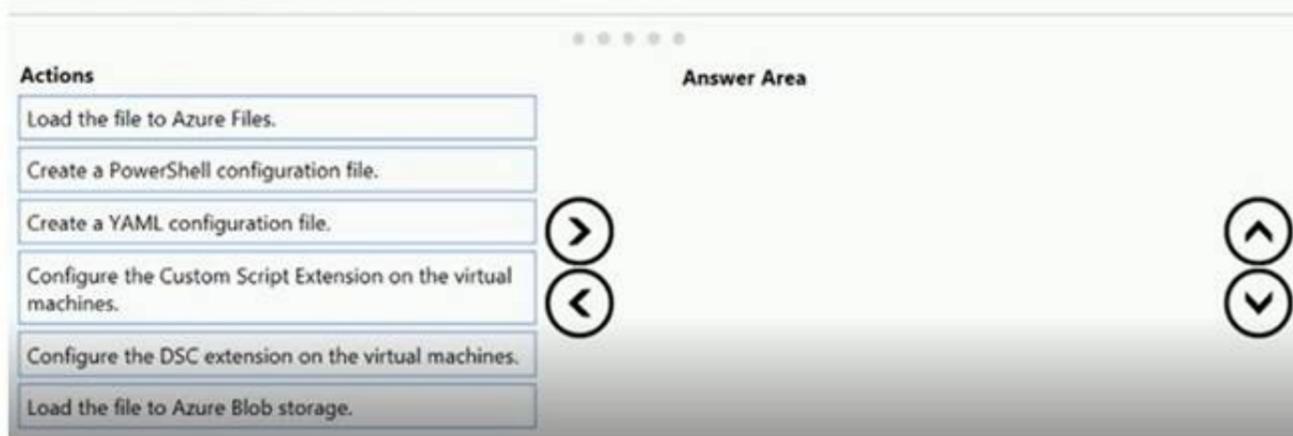
A. Mastered
B. Not Mastered

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 77
- (Topic 4)
You manage source code control and versioning by using GitHub.
You need to ensure that a PowerShell script is executed automatically before rebase operations are performed.
What should you use?

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

Answer: C

NEW QUESTION 79
- (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 82

- (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 84
- (Topic 4)
Your company uses Azure Artifacts for package management.
You need to configure an upstream source in Azure Artifacts for Python packages. Which repository type should you use as an upstream source?

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

Answer: A

Explanation:
Get started with Python packages in Azure Artifacts Create a feed
? Select Artifacts (in the left navigation of your Azure DevOps project).
? On the Artifacts page, select Create Feed.
? In the Create new feed dialog box:
? In the Name field, give the feed a name.
PyPI is the default repository name for twine, which is a tool for publishing Python
packages. Reference:
https://docs.microsoft.com/en-us/azure/devops/artifacts/quickstarts/python-packages

NEW QUESTION 85
- (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: Add a code coverage step to the build pipelines.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead implement Continuous Assurance for the project.
Reference:
https://azsk.azurewebsites.net/04-Continous-Assurance/Readme.html

NEW QUESTION 89
HOTSPOT - (Topic 4)
You have a project in Azure DevOps that contains a release pipeline. The pipeline contains two stages named QA and Prod. QA deploys code to an Azure web app named webapp1. Prod deploys code to an Azure web app named webapp2.
You need to ensure that code deployments to webapp2 are blocked if Azure Application Insights generates Failed requests alerts following the deployment of new code to webapp1.
What should you do for each stage? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

QA:
- Add a task to configure alert rules in Application Insights.
- Configure a gate in the pre-deployment conditions.
- Configure an auto-redeploy trigger in the post-deployment conditions
- Configure a post-deployment approval in the post-deployment conditions

Prod:
- Add a task to configure an alert rule in Application Insights.
- Configure a gate in the pre-deployment conditions.
- Configure a trigger in the pre-deployment conditions.
- Configure the Deployment queue settings in the pre-deployment conditions.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

QA:
- Add a task to configure alert rules in Application Insights.
- Configure a gate in the pre-deployment conditions.
- Configure an auto-redeploy trigger in the post-deployment conditions
- Configure a post-deployment approval in the post-deployment conditions

Prod:
- Add a task to configure an alert rule in Application Insights.
- Configure a gate in the pre-deployment conditions.
- Configure a trigger in the pre-deployment conditions.
- Configure the Deployment queue settings in the pre-deployment conditions.

NEW QUESTION 94
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 98
- (Topic 4)
Your company has a project in Azure DevOps.
You need to ensure that when there are multiple builds pending deployment only the most recent build is deployed.
What should you use?

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

Answer: A

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

NEW QUESTION 99
- (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 102
- (Topic 4)
You have an Azure Automation account that contains a webbook. The webbook is used to configure the application infrastructure of an Azure subscription.
You have a project in Azure DevOps named Project). Project1 contains a repository that stores code for the webbook.
You need to ensure that every committed change to the code will update automatically and publish the webbook to Azure Automation.
What should you configure?

A. the Connections settings for the Automation account
B. the Service hooks settings for Project1
C. the Source control settings for the Automation account
D. the Service connections settings for Project1

Answer: C

NEW QUESTION 105
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:
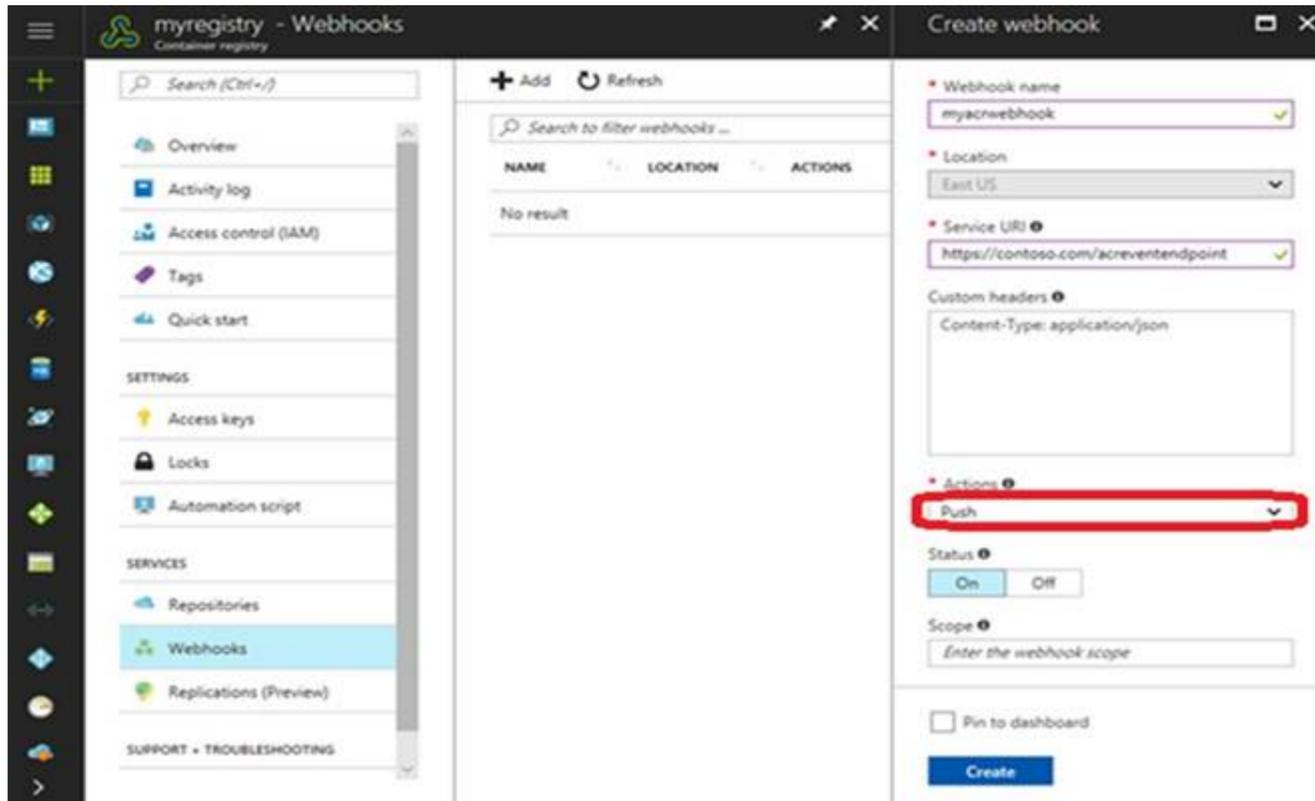
NEW QUESTION 107
- (Topic 4)
Your company uses Service Now for incident management. You develop an application that runs on Azure.
The company needs to generate a ticket in Service Now when the application fails to authenticate.
Which Azure Log Analytics solution should you use?

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 108
DRAG DROP - (Topic 4)
You have an Azure Pipeline.
You need to store configuration values as variables.
At which four scopes can the variables be defined, and what is the precedence of the variables from the highest precedence to lowest precedence? To answer, move the appropriate scope from the list of scopes to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 110
- (Topic 4)
You have a brand policy in a project in Azure DevOps. The policy requires that code always builds successfully.
You need to ensure that a specific user can always merge change to the master branch, even if the code fails to compile. The solution must use the principle of least privilege.
What should you do?

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

Answer: B

Explanation:
In some cases, you need to bypass policy requirements so you can push changes to the branch directly or complete a pull request even if branch policies are not satisfied. For these situations, grant the desired permission from the previous list to a user or group. You can scope this permission to an entire project, a repo, or a single branch. Manage this permission along the with other Git permissions.
References: https://docs.microsoft.com/en-us/azure/devops/repos/git/branch-policies

NEW QUESTION 115
DRAG DROP - (Topic 4)
You have an Azure Kubernetes Service (AKS) cluster.
You need to deploy an application to the cluster by using Azure DevOps.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Answer Area

Actions

Create a service account in the cluster.

Create a service principal in Azure Active Directory (Azure AD).

Add an Azure Function App for Container task to the deployment pipeline.

Add a Helm package and deploy a task to the deployment pipeline.

Add a Docker Compose task to the deployment pipeline.

Configure RBAC roles in the cluster.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
You can set up a CI/CD pipeline to deploy your apps on a Kubernetes cluster with Azure DevOps by leveraging a Linux agent, Docker, and Helm.
Step 1: Create a service principle in Azure Active Directory (Azure AD)
We need to assign 3 specific service principals with specific Azure Roles that need to interact with our ACR and our AKS.
Create a specific Service Principal for our Azure DevOps pipelines to be able to push and pull images and charts of our ACR.
Create a specific Service Principal for our Azure DevOps pipelines to be able to deploy our application in our AKS.
Step 2: Add a Helm package and deploy a task to the deployment pipeline This is the DevOps workflow with containers:
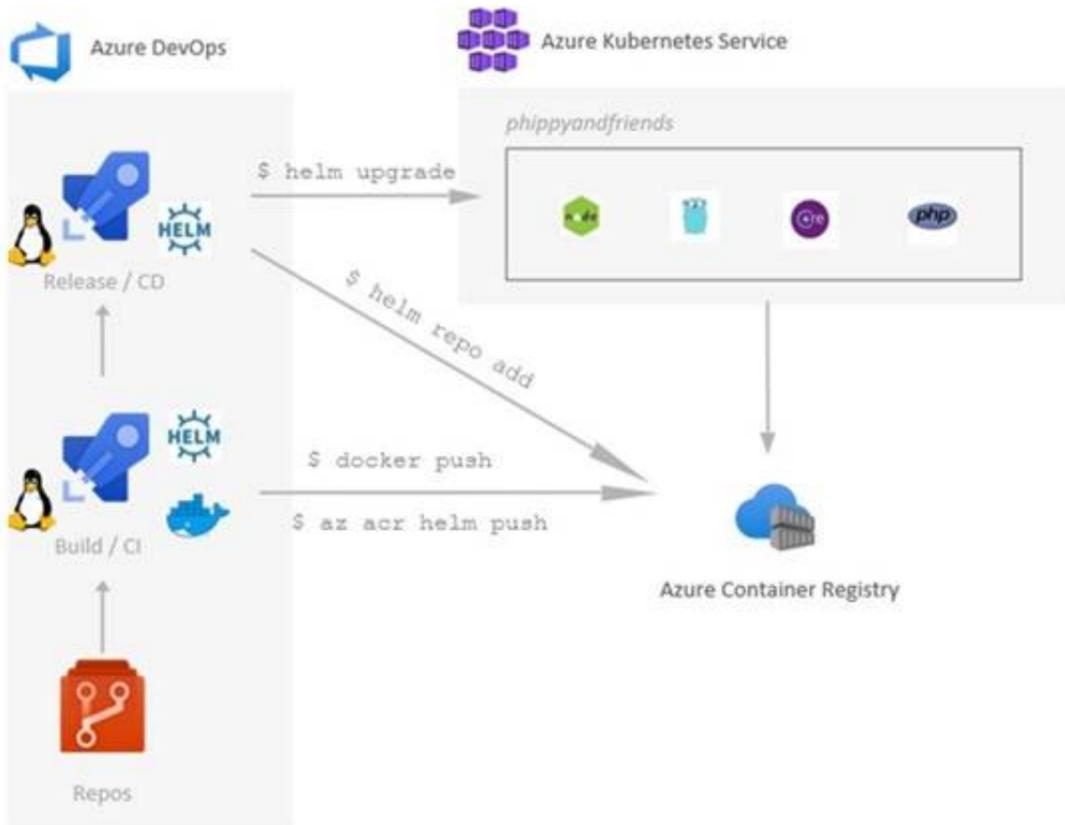
Step 3: Add a Docker Compose task to the deployment pipeline.
Dockerfile file is a script leveraged by Docker, composed of various commands (instructions) and arguments listed successively to automatically perform actions on a base image in order to create a new Docker image by packaging the app.

NEW QUESTION 118
SIMULATION - (Topic 4)
Your company plans to implement a new compliance strategy that will require all Azure web apps to be backed up every five hours.
You need to back up an Azure web app named az400-11566895-main every five hours to an Azure Storage account in your resource group.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
With the storage account ready, you can configure backs up in the web app or App Service.
? Open the App Service az400-11566895-main, which you want to protect, in the Azure Portal and browse to Settings > Backups. Click Configure and a Backup Configuration blade should appear.
? Select the storage account.
? Click + to create a private container. You could name this container after the web app or App Service.
? Select the container.
? If you want to schedule backups, then set Scheduled Backup to On and configure a schedule: every five hours
? Select your retention. Note that 0 means never delete backups.
? Decide if at least one backup should always be retained.
? Choose if any connected databases should be included in the web app backup.
? Click Save to finalize the backup configuration.
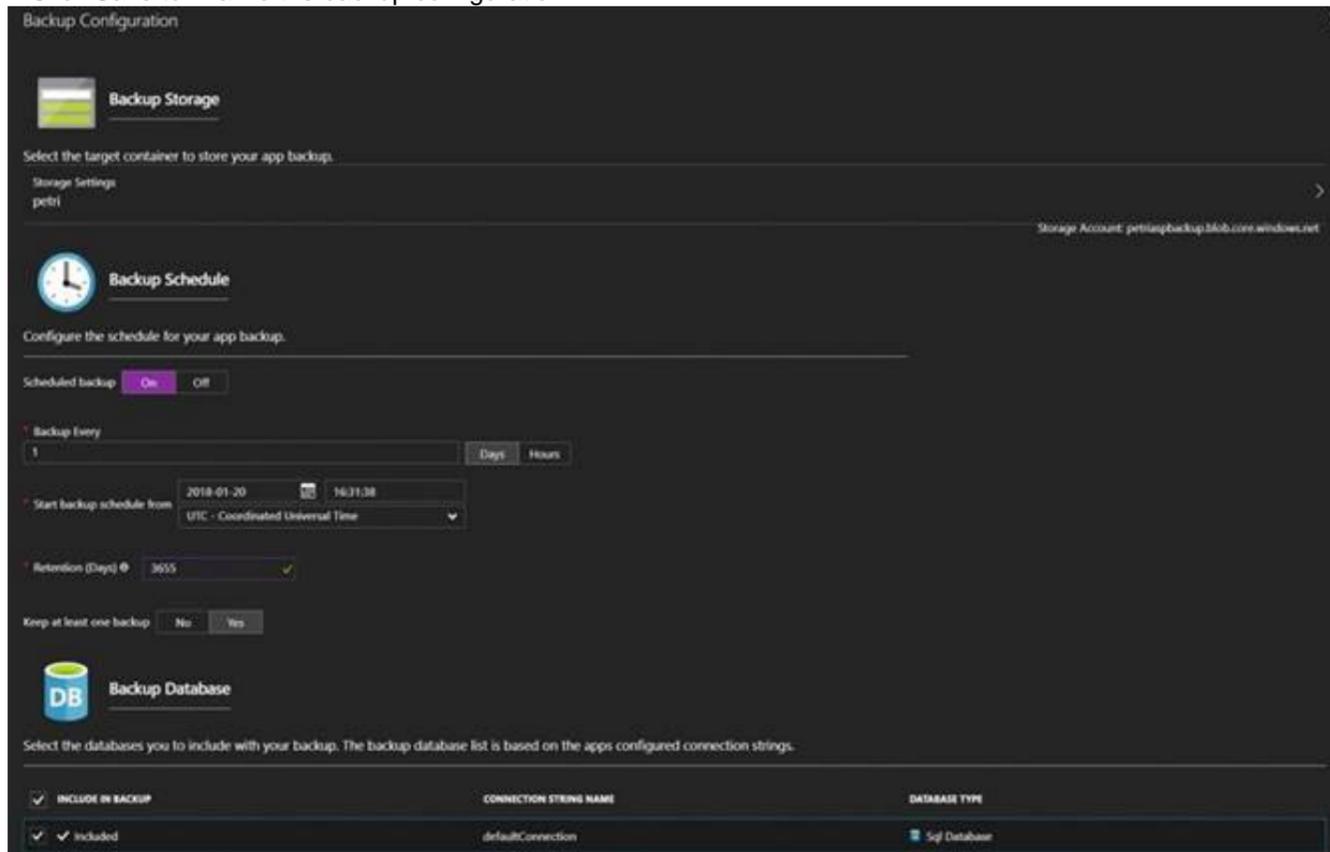
NEW QUESTION 122
- (Topic 4)
You have an Azure DevOps project named Project1 and an Azure subscription named Sub1. Sub1 contains an Azure virtual machine scale set named VMSS1.
VMSS1 hosts a web application named
WebApp1. WebApp1 uses state full sessions.
The WebApp1 installation is managed by using 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 124
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.
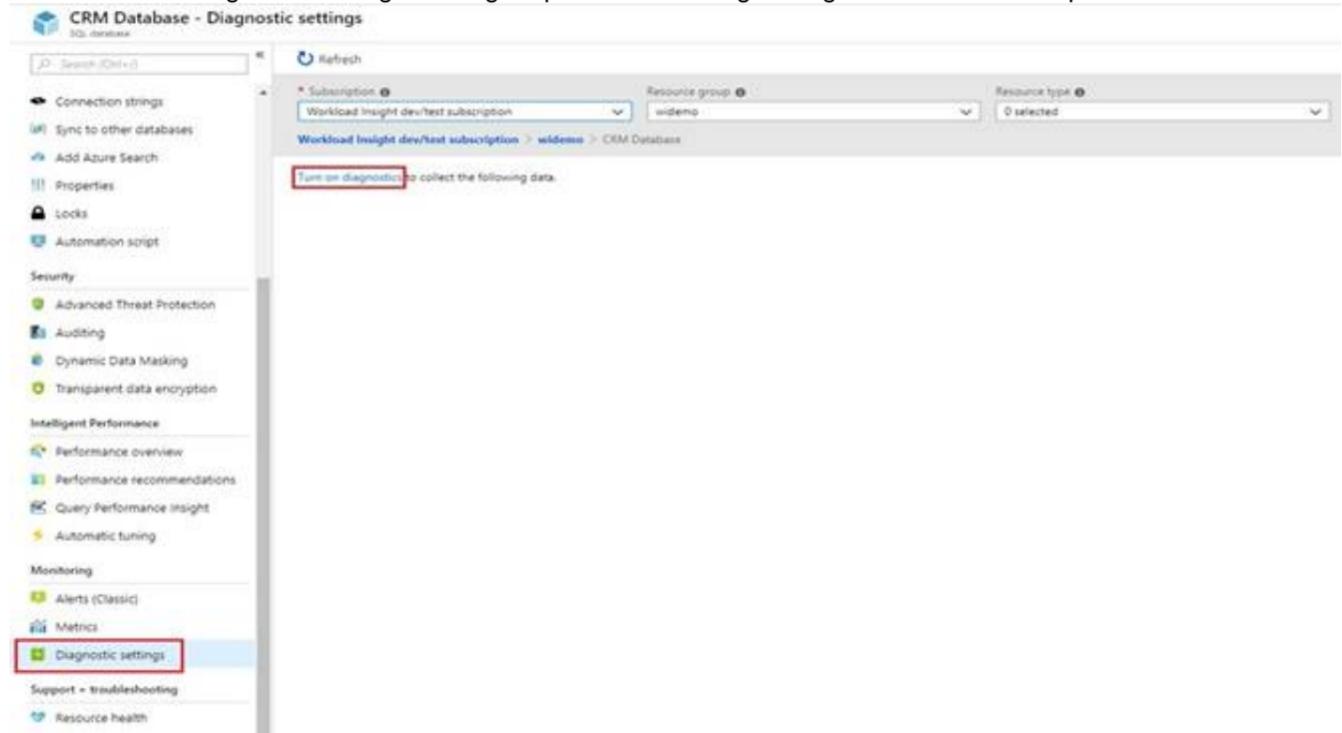
Graphical user
* 5. Enter a setting name for your own reference.
* 6. Select a destination resource for the streaming diagnostics data: Archive to storage account, Stream to an event hub, or Send to Log Analytics.
* 7. For the standard, event-based monitoring experience, select the following check boxes 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 129
- (Topic 4)
Your company has a project in Azure DevOps for a new application. The application will be deployed to several Azure virtual machines that run Windows Server 2016.
You need to recommend a deployment strategy for the virtual machines. The strategy must meet the following requirements:
• Ensure that the virtual machines maintain a consistent configuration.
• Minimize administrative effort to configure the virtual machines What should you include in the recommendation?

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

Answer: C

Explanation:
The Custom Script Extension downloads and executes scripts on Azure virtual machines. This extension is useful for post deployment configuration, software installation, or any other configuration or management tasks. Scripts can be downloaded from Azure storage or GitHub, or provided to the Azure portal at

extension run time. The Custom Script Extension integrates with Azure Resource Manager templates, and can be run using the Azure CLI, PowerShell, Azure portal, or the Azure Virtual Machine REST API.
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/extensions/custom-script-windows

NEW QUESTION 132
DRAG DROP - (Topic 4)
You are implementing a new project in Azure DevOps.
You need to assess the performance of the protect. The solution must 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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 137
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 138
- (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 143
- (Topic 4)
You have an Azure DevOps project that contains a build pipeline. The build pipeline uses approximately 50 open source libraries.
You need to ensure that all the open source libraries comply with your company's licensing standards.
Which service should you use?

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

Answer: C

Explanation:
Secure and Manage Open Source Software
Black Duck helps organizations identify and mitigate open source security, license compliance and code-quality risks across application and container portfolios.
Black Duck Hub and its plugin for Team Foundation Server (TFS) allows you to automatically find and fix open source security vulnerabilities during the build process, so you can proactively manage risk. The integration allows you to receive alerts and fail builds when any Black Duck Hub policy violations are met.
Note: WhiteSource would also be a good answer, but it is not an option here. Reference:
https://marketplace.visualstudio.com/items?itemName=black-duck-software.hub-tfs

NEW QUESTION 144
HOTSPOT - (Topic 4)
You plan to create alerts that will be triggered based on the page load performance of a home page.
You have the Application Insights log query shown in the following exhibit.
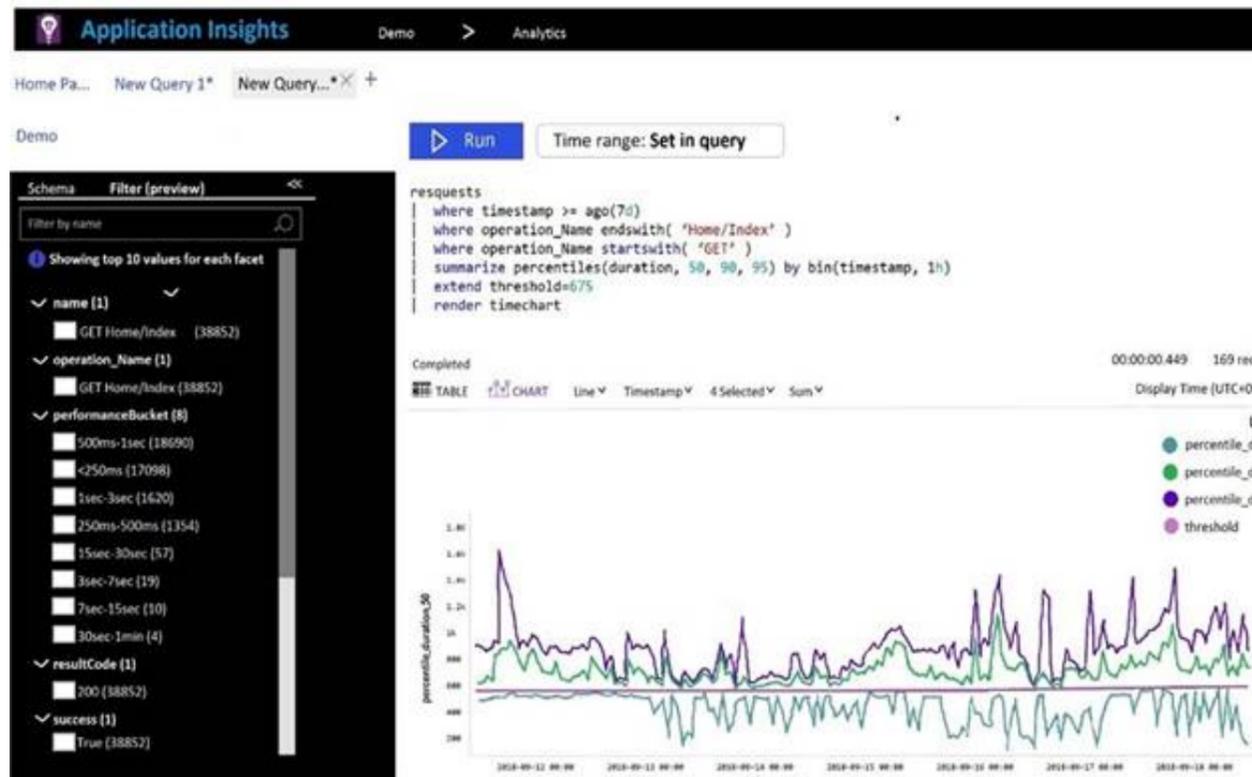
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

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

▼
percentile_duration_50
percentile_duration_90
percentile_duration_95
threshold

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

▼
item Type
resultCode
source
success

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 149
- (Topic 4)
You have an Azure subscription. The subscription contains virtual machines that run either Windows Server or Linux.
You plan to use Prometheus to monitor performance metrics. You need to integrate Prometheus and Azure Monitor.
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

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

Answer: AB

NEW QUESTION 152
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You use Azure Pipelines to build and test a React.js application. You have a pipeline that has a single job.
You discover that installing JavaScript packages from 9pm takes approximately five minutes each time you run the pipeline.
You need to recommend a solution to reduce the pipeline execution time. Solution: You recommend using pipeline artifacts.
Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 154
DRAG DROP - (Topic 4)
You have an Azure DevOps organization named Contoso.
You have 10 Azure virtual machines that run Windows Server 2019. The virtual machines host an application that you build and deploy by using Azure Pipelines.
Each virtual machine has the Web Server (IIS) role installed and configured.
You need to ensure that the web server configurations pin the virtual machines is maintained automatically. The solution must provide centralized management of the configuration settings and minimize management overhead.

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
Install the custom Desired State Configuration (DSC) extension on the virtual machines.		
Compile the Desired State Configuration (DSC) configuration.		
Import a Desired State Configuration (DSC) configuration into the Azure Automation account.	⊙ ⊙	⊙
Create an Azure Automation account.	⊙	⊙
Onboard the virtual machines to the Azure Automation account.		

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step1: Create an Azure Automation account. An Azure Automation account is required.
Step 2: Install the custom Desired State Configuration (DSC) extension on the virtual machines
Under the hood, and without an administrator having to remote into a VM, the Azure VM Desired State Configuration extension registers the VM with Azure Automation State Configuration.
Step 3: Onboard the virtual machines to the Azure Automation account.
Step 4: Complete the Desired State Configuration (DSC) configuration. Create a DSC configuration.

NEW QUESTION 157
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.

Developers:
- Basic
- Stakeholder

Pilot users:
- Basic
- Stakeholder

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 158
HOTSPOT - (Topic 4)
You company uses Azure DevOps to deploy infrastructures to Azure. Pipelines are developed by using YAML.
You execute a pipeline and receive the results in the web portal for Azure Pipelines as shown in the following exhibit.

2passeasy

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 159
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.

Components

A deployment group

A management group

A resource group

Application roles

Answer Area

Ten virtual machines hosted in Azure:

Ten virtual machines hosted in
an on-premises data center environment:

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 161
- (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 163
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.
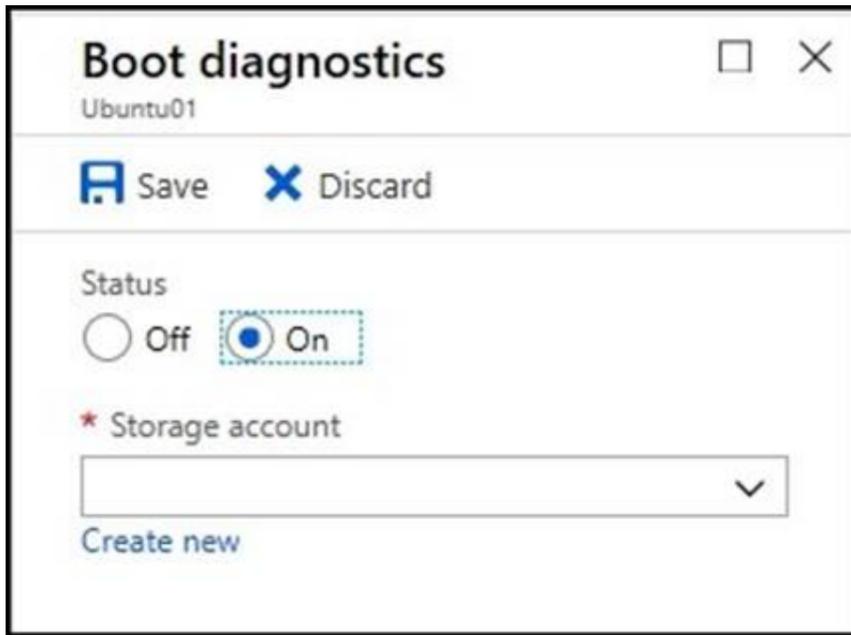
You must restart the virtual machine for the change to take effect.

NEW QUESTION 168
- (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 171
DRAG DROP - (Topic 4)
You create a Git repository named Repo1 in Azure Repos.
You need to configure Repo1 to meet the following requirements:
• Work items must be linked to a pull request.
• Pull requests must have a minimum of two reviewers.
* Pull requests must complete a code review by using a thirty-party tool. The solution must minimize administrative effort.
Which type of policy should you use for each requirement? To answer, drag the appropriate policy types to the correct requirements. Each policy type may be used once, more than once, or not at all.
You may need to drag the split bar between panes or scroll to view content.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Policies | **Answer Area**

Branch
Build
Check-in
Status

Work items must be linked to a pull request: | Status

Pull requests must complete a code review by a third-party tool: | Branch

Pull requests must have a minimum of two reviewers: | Branch

NEW QUESTION 174
- (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 177
HOTSPOT - (Topic 4)
Your company uses Azure DevOps for Get source control.
You have a project in Azure DevOps named Contoso App that contains the following repositories:
? https://dev.azure.com/contoso/contoso-app/core-api
? https://dev.azure.com/contoso/contoso-app/core-spa
? https://dev.azure.com/contoso/contoso-app/core-db
You need to ensure that developers receive Slack notifications when there are pull requests created for Contoso App.
What should you run in Slack? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

/azrepos ▼

feedback
signin
subscribe
subscriptions

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: subscribe
To start monitoring all Get repositories in a project, use the following slash command inside a channel:
/azrepos subscribe [project ur1]
Box 2: https://dev.azure.com/contoso/contoso-app
You can also monitor a specific repository using the following command:
/azrepos subscribe [repository ur1]
The repository URL can be to any page within your repository that has your repository name.
For example, for Get repositories, use:
/azrepos subscribe https://dev.azure.com/myorg/myproject/_git/myrepository

NEW QUESTION 182
- (Topic 4)
You are building a Microsoft ASP.NET application that requires authentication.
You need to authenticate users by using Azure Active Directory (Azure AD). What should you do first?

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

E. Create a new OAuth token from the application.

Answer: C

Explanation:
Register your application to use Azure Active Directory. Registering the application means that your developers can use Azure AD to authenticate users and request access to user resources such as email, calendar, and documents.
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/developer-guidance- for-integrating-applications
https://docs.microsoft.com/en-us/azure/active-directory/develop/quickstart-v2-aspnet- webapp

NEW QUESTION 183
DRAG DROP - (Topic 4)
You are planning projects for three customers. Each customer's preferred process for work items is shown in the following table.

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

The customers all plan to use Azure DevOps for work item management.
Which work item process should you use for each customer? To answer, drag the appropriate work item process to the correct customers. Each work item process may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Scrum
Choose Scrum when your team practices Scrum. This process works great if you want to track product backlog items (PBIs) and bugs on the Kanban board, or break PBIs and bugs down into tasks on the taskboard.
Box 2: Agile
Choose Agile when your team uses Agile planning methods, including Scrum, and tracks development and test activities separately. This process works great if you want to track user stories and (optionally) bugs on the Kanban board, or track bugs and tasks on the taskboard.
Box 3: CMMI
Choose CMMI when your team follows more formal project methods that require a framework for process improvement and an auditable record of decisions. With this process, you can track requirements, change requests, risks, and reviews.

NEW QUESTION 184
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.
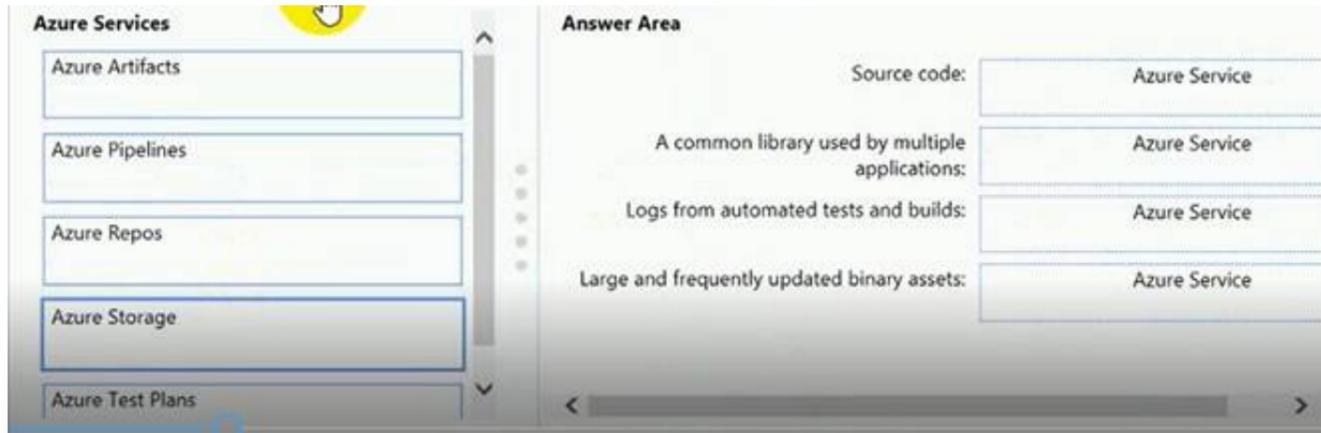
A. Mastered
B. Not Mastered

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 186
SIMULATION - (Topic 4)
You need to ensure that an Azure web app named az400-9940427-main supports rolling upgrades. The solution must ensure that only 10 percent of users who connect to az400- 9940427-main use update versions of the app.
The solution must minimize administrative effort.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Set up staging environments in Azure App Service
* 1. Open Microsoft Azure Portal
* 2. Log into your Azure account, select your app's resource page, in the left pane, select Deployment slots > Add Slot.
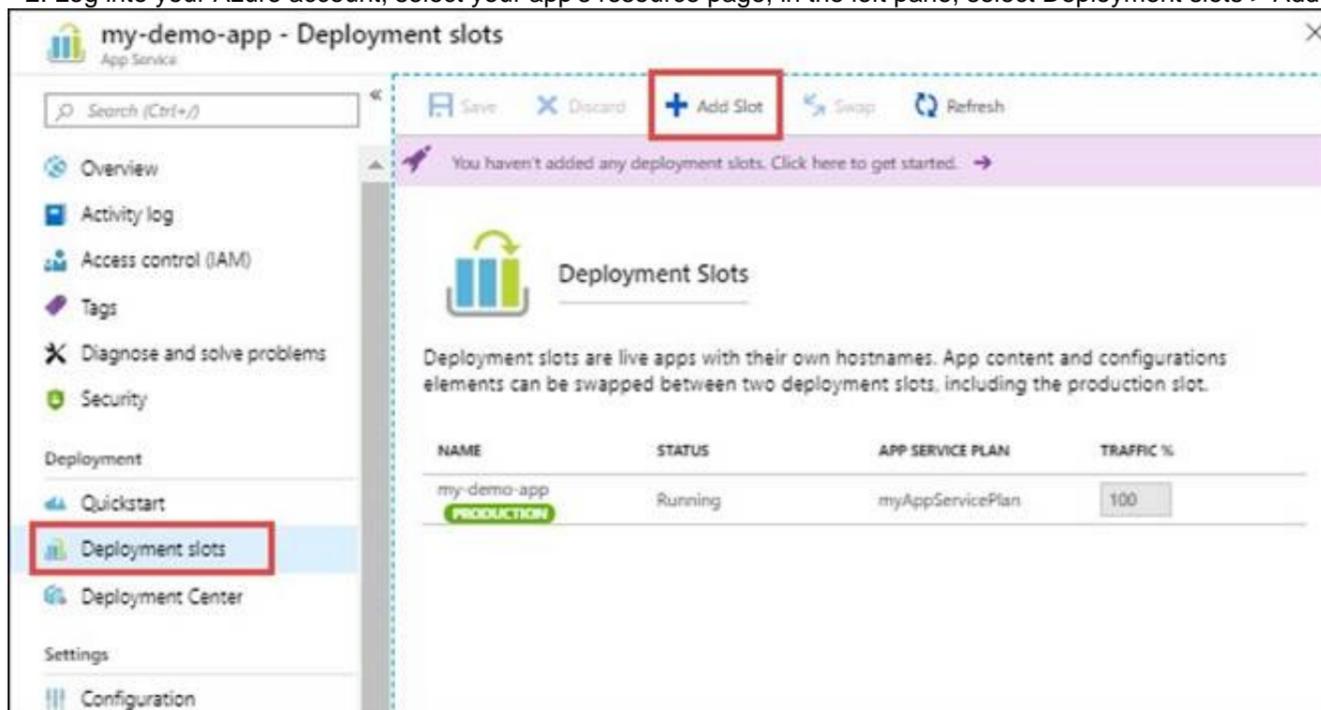
* 3. In the Add a slot dialog box, give the slot a name, and select whether to clone an app configuration from another deployment slot. Select Add to continue.
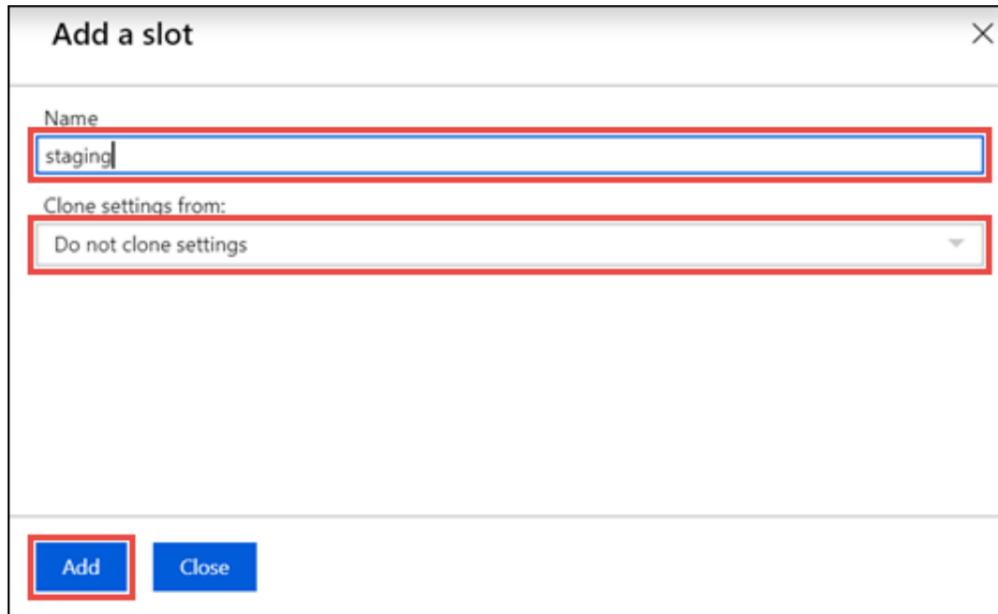
* 4. After the slot is added, select Close to close the dialog box. The new slot is now shown on the Deployment slots page. By default, Traffic % is set to 0 for the new slot, with all customer traffic routed to the production slot.
* 5. Select the new deployment slot to open that slot's resource page.
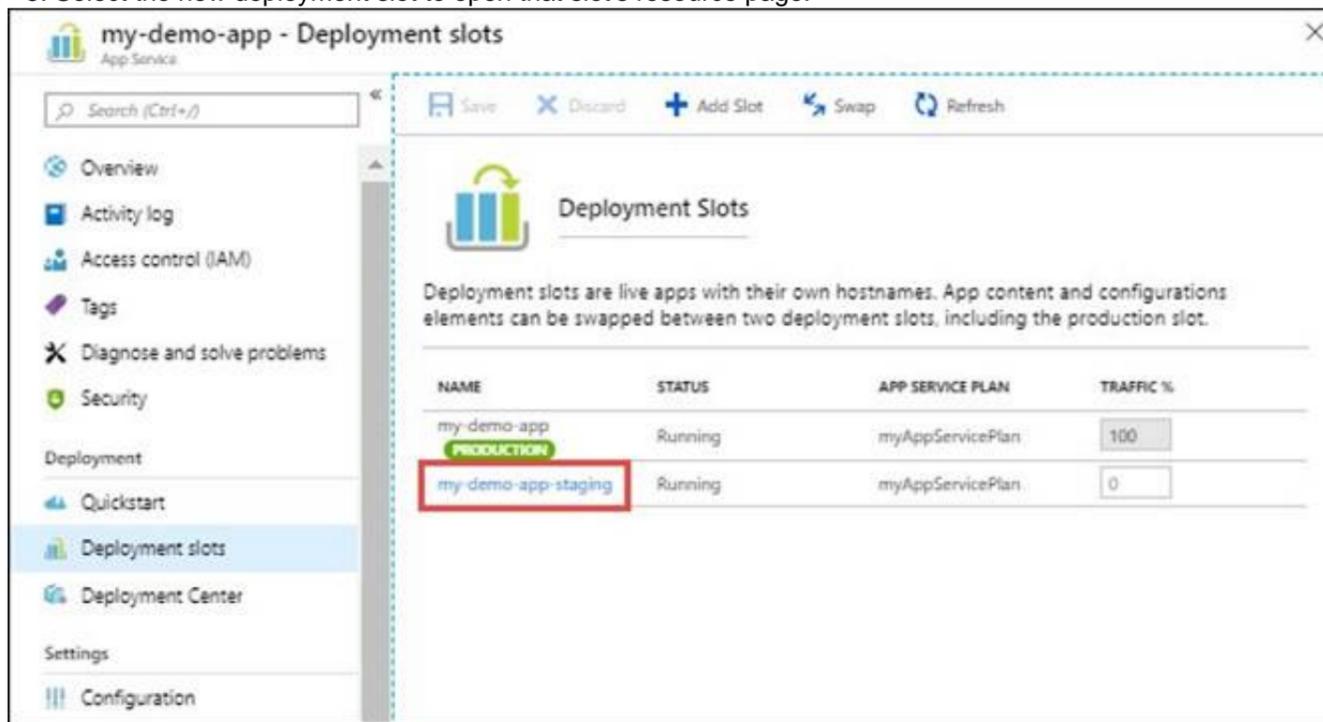
* 6. Change TRAFFIC % to 10 References:
https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots

NEW QUESTION 187
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.
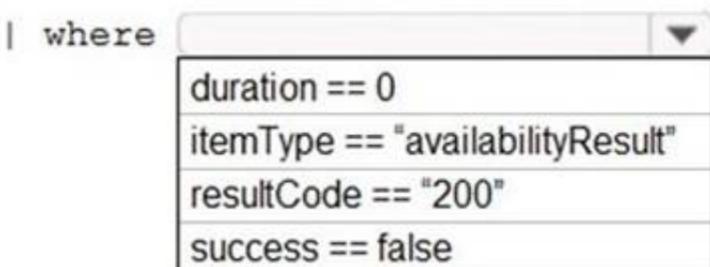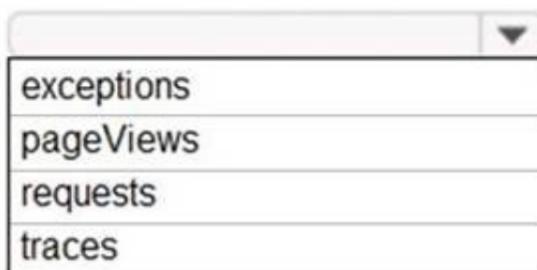
A. Mastered
B. Not Mastered

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 188
- (Topic 4)
You are monitoring the health and performance of an Azure web app by using Azure Application Insights. You need to ensure that an alert is sent when the web app has a sudden rise in performance issues and failures. What should you use?

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

Answer: C

Explanation:
Smart Detection automatically warns you of potential performance problems and failure anomalies in your web application. It performs proactive analysis of the telemetry that your app sends to Application Insights. If there is a sudden rise in failure rates, or abnormal patterns in client or server performance, you get an alert.
Reference:
https://docs.microsoft.com/en-us/azure/azure-monitor/app/proactive-diagnostics

NEW QUESTION 189
- (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 191
DRAG DROP - (Topic 4)
You are configuring an Azure DevOps deployment pipeline. The deployed application will authenticate to a web service by using a secret stored in an Azure key vault.
You need to use the secret in the deployment pipeline.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

| Actions	Answer Area
Export a certificate from the key vault.	Entra.
Add an app registration in Microsoft Azure Active Directory (Azure AD), part of Microsoft	
Generate a self-signed certificate.	Generate a self-signed certificate.
Create a service principal in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.	
Configure an access policy in the key vault.	
Add an Azure Resource Manager service connection to the pipeline.	
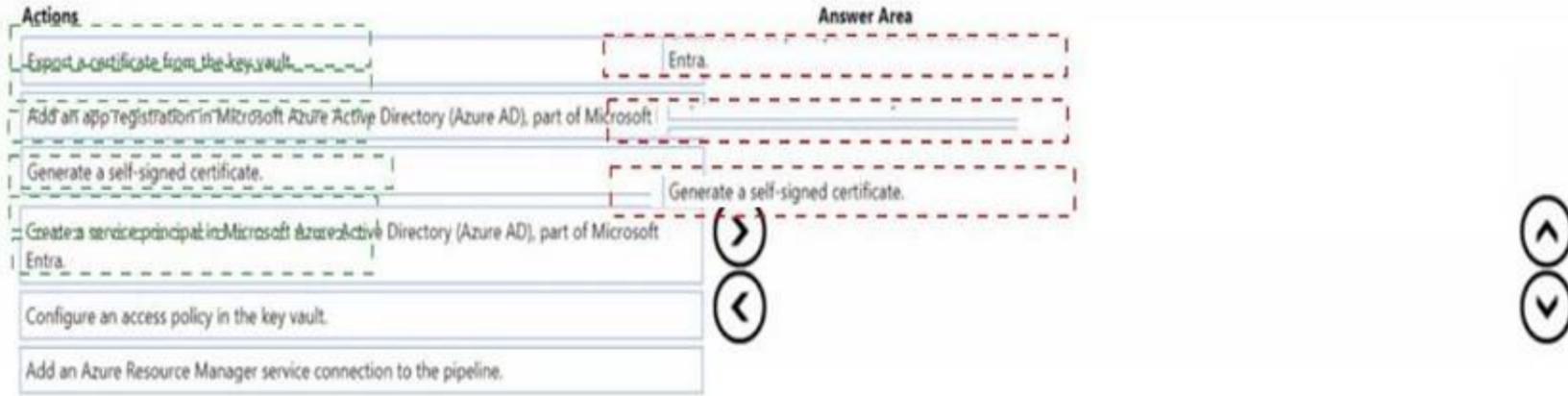
NEW QUESTION 196
- (Topic 3)
You need to configure Azure Pipelines to control App2 builds. Which authentication method should you use?

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 198
- (Topic 3)
You need to perform the GitHub code migration. The solution must support the planned changes for the DevOps environment.
What should you use?

A. git clone
B. GitHub Importer
C. Import repository in Azure Repos
D. git-tfs

Answer: A

Explanation:
Woodgrove Bank plans to implement the following changes to the DevOps environment:
? Migrate all the source code from TFS1 to GitHub.
The Git-TFS tool is a two-way bridge between Team Foundation Version Control and Git, and can be used to perform a migration.
Reference:
https://docs.microsoft.com/en-us/devops/develop/git/migrate-from-tfvc-to-git

NEW QUESTION 201
DRAG DROP - (Topic 3)
You need to replace the existing DevOps tools to support the planned changes.
What should you use? To answer, drag the appropriate tools to the correct targets. 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.

Tools

Tools
Azure Boards
Azure Artifacts
GitHub Actions
Azure Pipelines
Azure Test Plans
GitHub repositories

Answer Area

Trello:	Tool
Bamboo:	Tool
BitBucket:	Tool

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Azure Boards
Azure Boards can be used to track work with Kanban boards, backlogs, team dashboards, and custom reporting
You can create multiple Trello boards, which are spaces to store tasks (for different work contexts, or even private boards)
You can easily share Trello boards with another person.
Box 2: Azure Pipelines
You can use Bamboo to implement CI/CD (Continuous Integration and Continuous Delivery) for a simple Azure function app using Atlassian Bamboo. Bamboo does continuous delivery of the project from source code to deployment. It has stages including Build, Test and Deploy.
Software teams in every industry are upgrading their continuous delivery pipeline with Bamboo. Easy build import from popular open source tools, user and group import from JIRA, seamless integration with Bitbucket, and native support for Git, Hg, and SVN means you'll be building and deploying like a champ.
Box 3: GitHub repositories
Bitbucket can be used as the Git repository, but you can use any other Git repository (Like TFS Git) for source control of the code.

NEW QUESTION 206
- (Topic 3)
You need to meet the technical requirements for controlling access to Azure DevOps.
What should you use?

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

Answer: B

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

NEW QUESTION 211
DRAG DROP - (Topic 2)
You need to implement Project6.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them m the correct order.

A. Mastered
B. Not Mastered

Answer: A

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

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

Step 1: Open the release pipeline editor.
In the Releases tab of Azure Pipelines, select your release pipeline and choose Edit to open the pipeline editor.
Step 2: Enable Gates.
Choose the pre-deployment conditions icon for the Production stage to open the conditions panel. Enable gates by using the switch control in the Gates section.
Step 3: Add Query Work items.
Choose + Add and select the Query Work Items gate. Configure the gate by selecting an existing work item query.

Deployment gates ⓘ   + Add ⌄

🖅 Query Work Items   ⬤ Enabled 🗑

Query Work Items ⓘ

Task version   0.*   ⌄

Display name *

Query Work Items

Query *   ⓘ

Active Bugs   ⌄

Upper threshold *   ⓘ

0

Advanced ⌃

Lower threshold *   ⓘ

0

Output Variables ⌃

Reference name   ⓘ

Variables list

There are no output variables associated with this task more information 🡕

Evaluation options ⌄

Note: A case for release gate is:
Incident and issues management. Ensure the required status for work items, incidents, and issues. For example, ensure deployment occurs only if no priority zero bugs exist, and validation that there are no active incidents takes place after deployment.
References:
https://docs.microsoft.com/en-us/azure/devops/pipelines/release/deploy-using- approvals?view=azure-devops#configure-gate

NEW QUESTION 215
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 them in the correct order.

Actions   **Answer Area**

Create a repository

Add a build policy for the fork.

Create a branch.

Add a build policy for the master branch.

Add an application access policy.

Create a fork.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Actions

| Create a repository |
| Add a build policy for the fork. |
| Create a branch. |
| Add a build policy for the master branch. |
| Add an application access policy. |
| Create a fork. |

Answer Area

| Create a repository |
| Add a build policy for the master branch. |
| Create a branch. |

NEW QUESTION 217

HOTSPOT - (Topic 1)

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

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

Required secrets:

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

Storage location:

| Azure Data Lake |
| Azure Key Vault |
| Azure Storage with HTTP access |
| Azure Storage with HTTPS access |

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

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

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

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

NEW QUESTION 218

HOTSPOT - (Topic 1)

How should you complete the code to initialize App Center in the mobile application? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection a worth one point.

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

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

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Scenario: Visual Studio App Center must be used to centralize the reporting of mobile application crashes and device types in use.

In order to use App Center, you need to opt in to the service(s) that you want to use, meaning by default no services are started and you will have to explicitly call each of them when starting the SDK.

Insert the following line to start the SDK in your app's App Delete class in the didFinishLaunchingWithOptions method.

MSAppCenter.start("{Your App Secret}", withServices: [MSAnalytics.self, MSCrashes.self]) References: https://docs.microsoft.com/en-us/appcenter/sdk/getting-started/ios

NEW QUESTION 219
- (Topic 1)
You are using GitHub as a source code repository.
You create a client-side Git hook on the commit-msg event. The hook requires that each commit message contain a custom work item tag.
You need to make a commit that does not have a work item tag. Which git commit parameter should you use?

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

Answer: B

Explanation:
The commit-msg hook is invoked by git-commit and git-merge, and can be bypassed with the --no-verify option.
Reference:
https://git-scm.com/docs/githooks

NEW QUESTION 224
- (Topic 4)
You have an Azure web app named webapp1 that uses the .NET Core runtime stack. You have an Azure Application Insights resource named AppInsight1.
Webapp1 sends telemetry data to AppInsights1.
You need to ensure that webapp1 sends the telemetry data at a fixed sampling rate. What should you do?

A. From the code repository of webapp1, modify the ApplicationInsights.config file.
B. From the code repository of webapp1, modify the Startup.cs file.
C. From AppInsights1. modify the Usage and estimated costs settings.
D. From AppInsights1, configure the Continuous export settings.

Answer: B

NEW QUESTION 225
- (Topic 4)
You have an app named App1 that you release by using Azure Pipelines. App1 has the versions shown in the following table.
You complete a code change to fix a bug that was introduced in version 3.4.3. Which version number should you assign to the release?

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

Answer: D

NEW QUESTION 227
- (Topic 4)
You have a build pipeline in Azure Pipelines that occasionally fails.
You discover that a test measuring the response time of an API endpoint causes the failures.
You need to prevent the build pipeline from failing due to The test.
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point

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

Answer: CE

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

NEW QUESTION 231
HOTSPOT - (Topic 4)
You use Azure Pipelines lo manage the build and deployment of apps.
You are planning the release strategies for a new app. You need to choose strategies for the following scenarios:
• Releases will be made available to users who are grouped by their tolerance for software faults.
• Code will be deployed to enable functionality that will be available in later releases of the app.
• When a new release occurs, the existing deployment will remain active to minimize recovery time if a return to the previous version is required.

Answer Area

Releases will be made available to users who are grouped by their tolerance for software faults:
```
Progressive exposure
Blue/green
Feature flags
```

Code will be deployed to enable functionality that will be available in later releases of the app:
```
Progressive exposure
Blue/green
Feature flags
```

When a new release occurs, the existing deployment will remain active to minimize recovery time if a return to the previous version is required:
```
Progressive exposure
Blue/green
Feature flags
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: Progressive exposure

Continuous Delivery may sequence multiple deployment "rings" for progressive exposure (also known as "controlling the blast radius"). Progressive exposure groups users who get to try new releases to monitor their experience in "rings." The first deployment ring is often a "canary" used to test new versions in production before a broader rollout. CD automates deployment from one ring to the next and may optionally depend on an approval step, in which a decision maker signs off on the changes electronically. CD may create an auditable record of the approval in order to satisfy regulatory procedures or other control objectives.
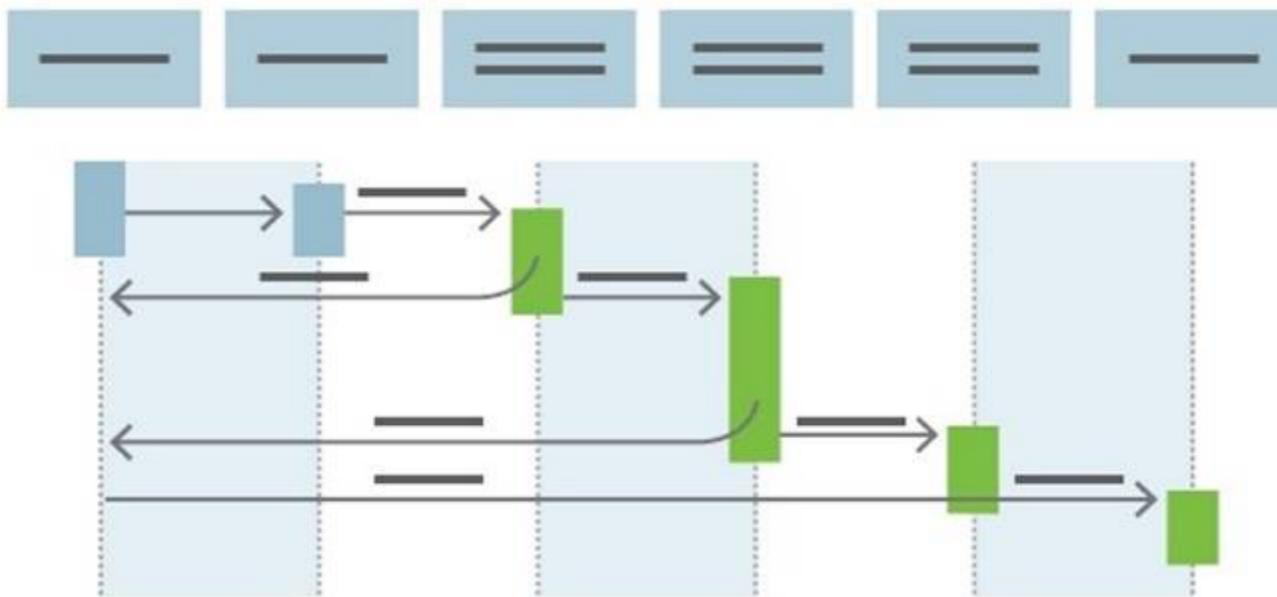
Box 2: Feature flags

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

Box 3: Blue/green

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

NEW QUESTION 234

- (Topic 4)

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

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

What should you enable in DevOps?

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

Answer: C

NEW QUESTION 238

- (Topic 4)

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

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

Answer: AD

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

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

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

NEW QUESTION 239
- (Topic 4)
You are deploying a server application that will run on a Server Core installation of Windows Server 2019.
You create an Azure key vault and a secret.
You need to use the key vault to secure API secrets for third-party integrations. Which three actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point. D18912E1457D5D1DDCBD40AB3BF70D5D

A. Configure RBAC for the key vault.
B. Modify the application to access the key vault.
C. Configure a Key Vault access policy.
D. Deploy an Azure Desired State Configuration (DSC) extension.
E. Deploy a virtual machine that uses a system-assigned managed identity.

Answer: BCE

Explanation:
BE: An app deployed to Azure can take advantage of Managed identities for Azure resources, which allows the app to authenticate with Azure Key Vault using Azure AD authentication without credentials (Application ID and Password/Client Secret) stored in the app.
? Select Add Access Policy.
? Open Secret permissions and provide the app with Get and List permissions.
? Select Select principal and select the registered app by name. Select the Select button.
? Select OK.
? Select Save.
? Deploy the app.
References:
https://docs.microsoft.com/en-us/aspnet/core/security/key-vault-configuration https://docs.microsoft.com/en-us/azure/key-vault/general/tutorial-net-virtual-machine

NEW QUESTION 240
DRAG DROP - (Topic 4)
You have an app named App1. You have a Log Analytics workspace named Workspace 1 that contains two tables named Events and Logs. App1 manages events in multiple locations and writes togs to Workspace1.
You need to query Workspace1 for all log entries related to Asia that occurred during the last two days.
In which order should you arrange the query statements? To answer, move all statements from the let of statements to the answer area and arrange them in the correct order.
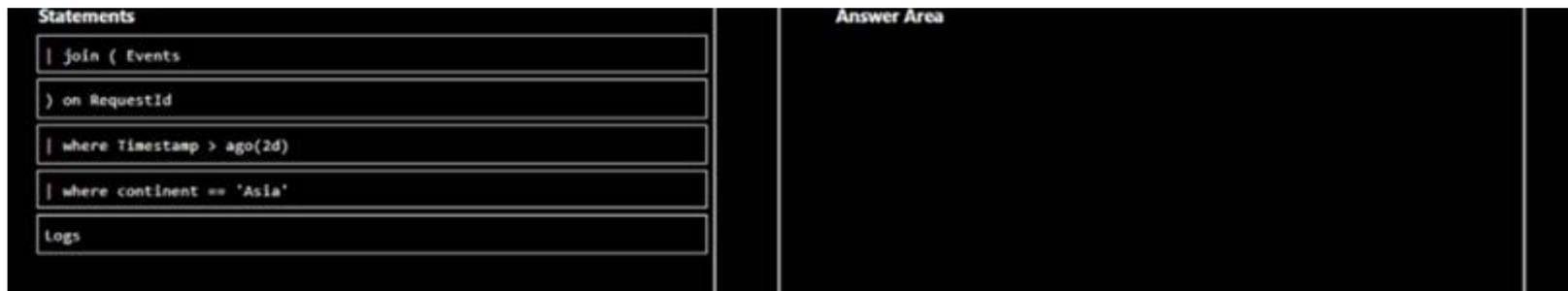
A. Mastered
B. Not Mastered

Answer: A

Explanation:
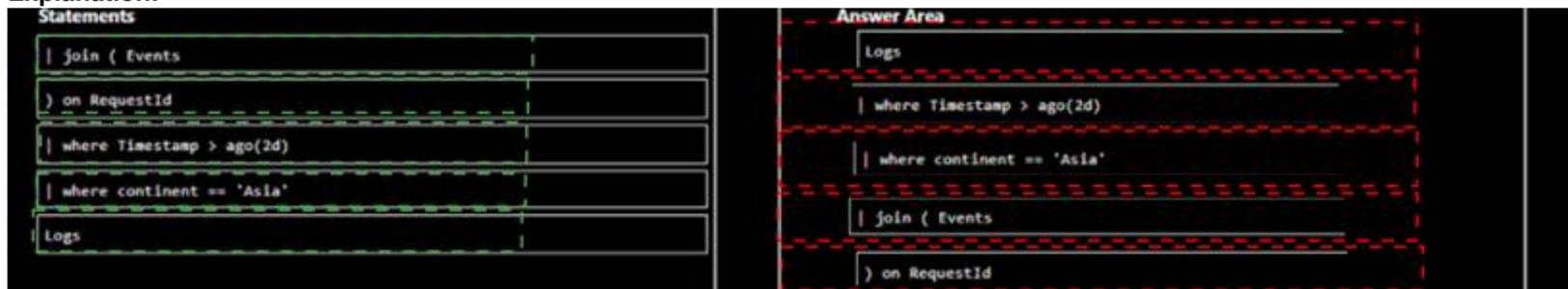
NEW QUESTION 241
SIMULATION - (Topic 4)
You need to create and configure an Azure Storage account named az400lod11566895stor in a resource group named RG1lod11566895 to store the boot diagnostics for a virtual machine named VM1.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

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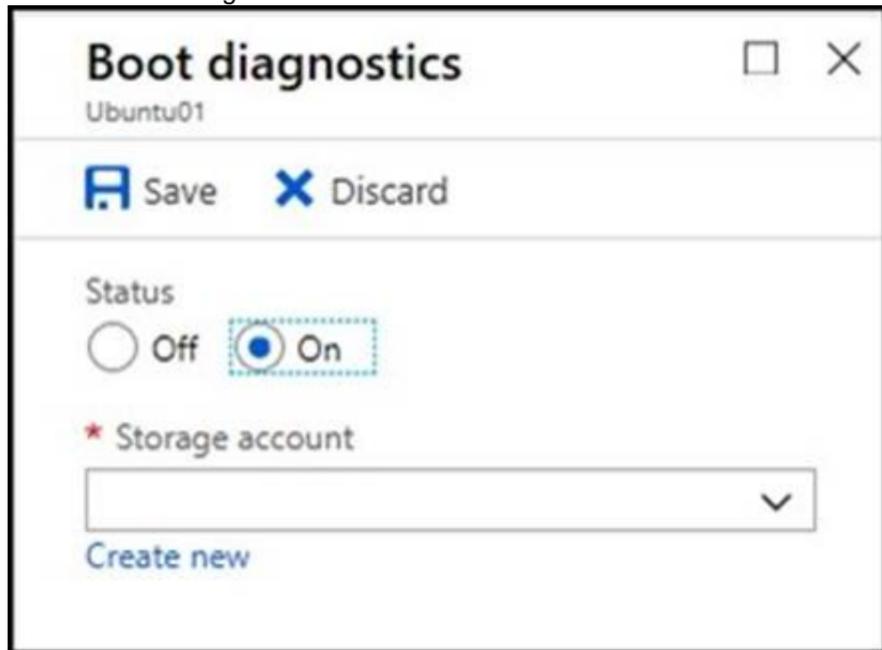
You must restart the virtual machine for the change to take effect.

NEW QUESTION 242
- (Topic 4)
You have an Azure subscription that contains multiple Azure pipelines.
You need to deploy a monitoring solution for the pipelines. The solution must meet the following requirements:

• Parse togs from multiple sources
• Identify the root cause of issues.
What advanced feature of a monitoring tool should you include in the solution?

A. synthetic monitoring
B. Alert Management
C. analytics
D. directed monitoring

Answer: C

Explanation:
 An analytics feature in a monitoring solution would allow you to parse logs from multiple sources and analyze them to identify the root cause of issues in your Azure pipelines. This feature would typically provide tools for searching, filtering, and visualizing log data, as well as for identifying patterns and anomalies. With analytics, you can also create custom dashboards and alerts to monitor your pipelines and quickly identify and troubleshoot any issues.

NEW QUESTION 246
- (Topic 4)
You have a web app hosted on Azure App Service. The web app stores data in an Azure SQL database.
You need to generate an alert when there are 10,000 simultaneous connections to the database. The solution must minimize development effort.
Which option should you select in the Diagnostics settings of the database?

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

Answer: A

Explanation:
ENABLE DIAGNOSTICS TO LOG ANALYTICS
This configuration is done PER DATABASE
* 1. Click on Diagnostics Settings and then Turn On Diagnostics
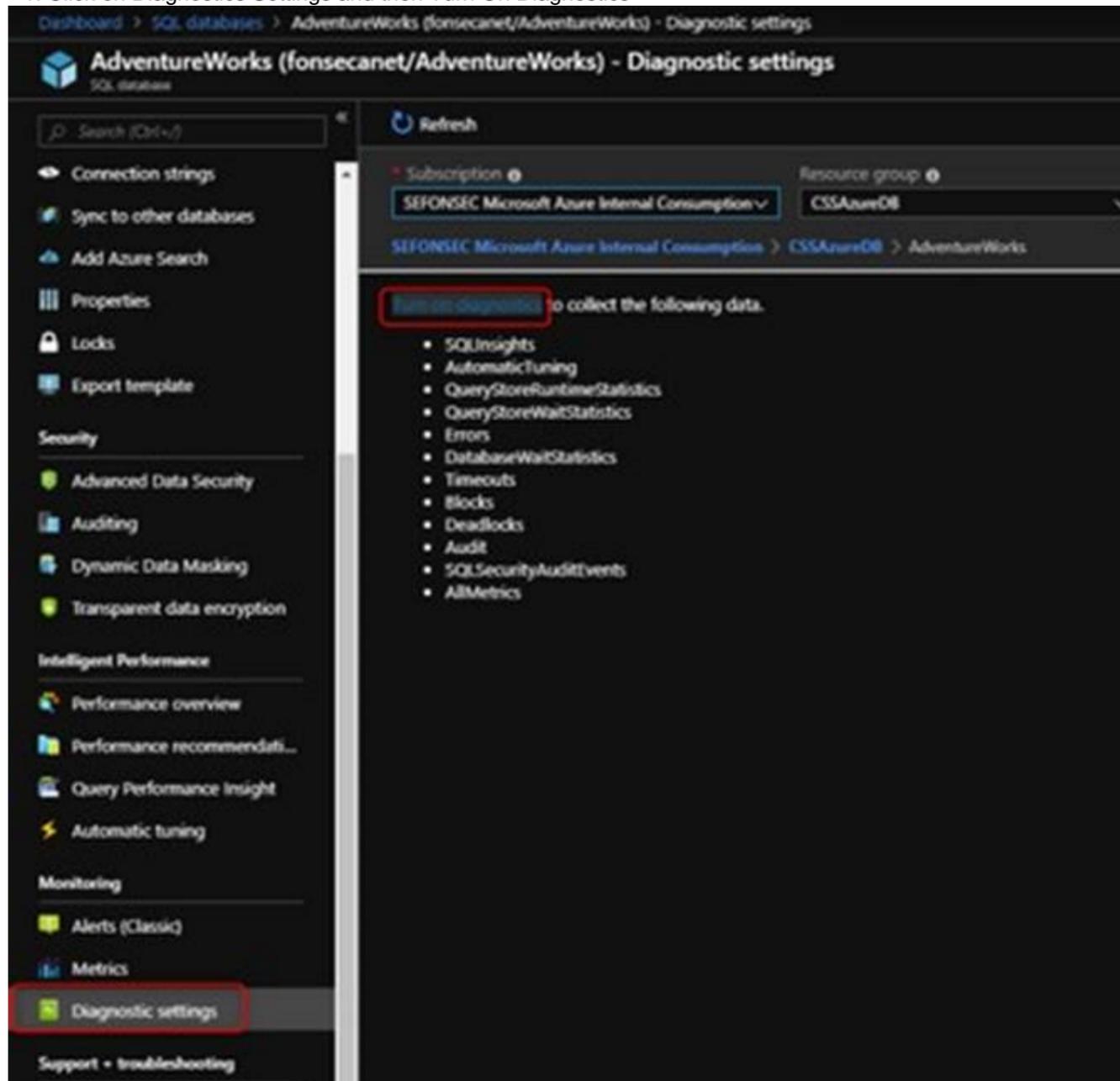
* 2. Select to Send to Log Analytics and select the Log Analytics workspace. For this sample I will selected only Errors
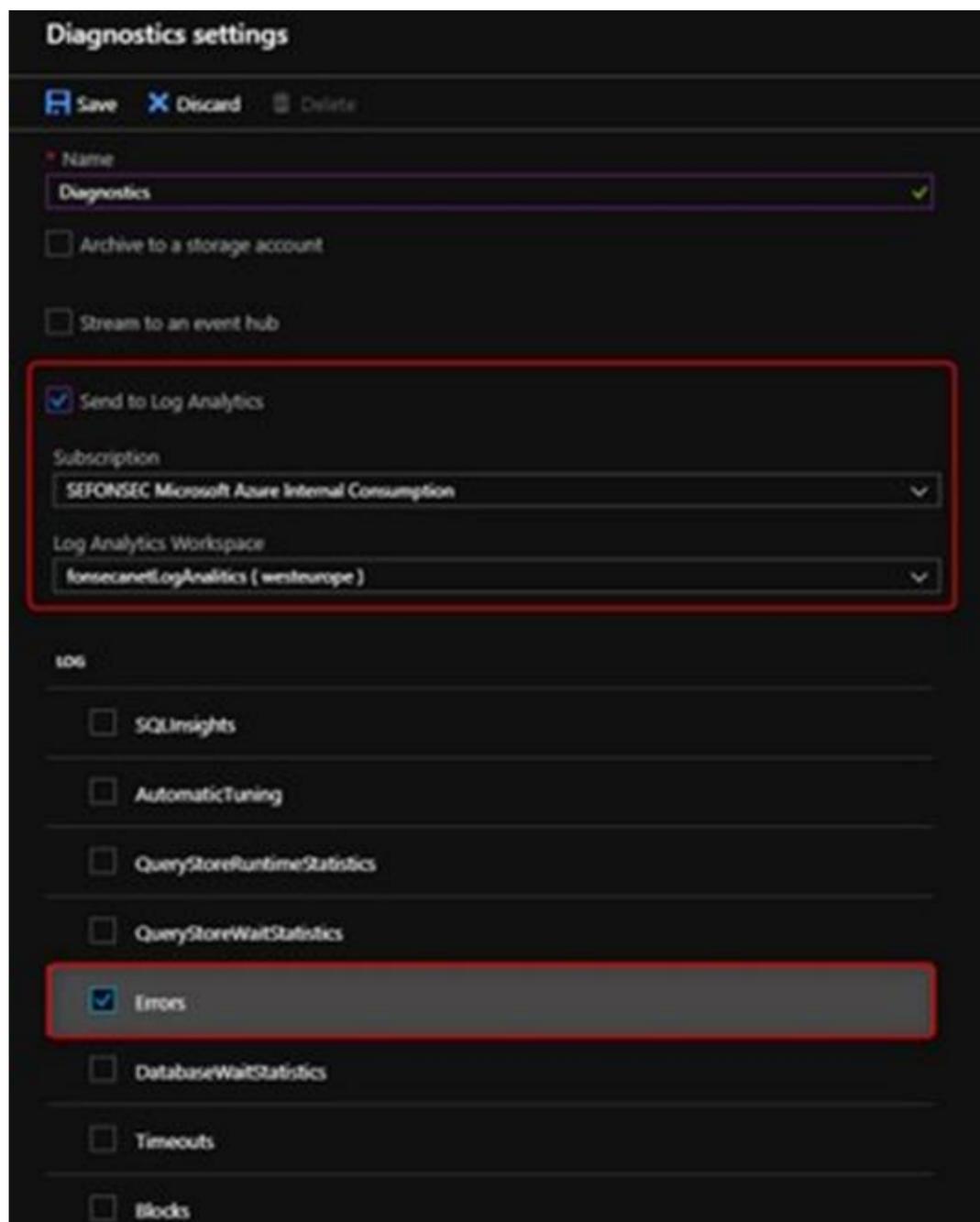
Graphical user interface Description automatically generated with medium confidence
Reference:
https://techcommunity.microsoft.com/t5/azure-database-support-blog/azure-sql-db-and-log-analytics-better-together-part-1/ba-p/794833

NEW QUESTION 249
- (Topic 4)
Your company is building a mobile app that targets Android devices and OS devices. Your team uses Azure DevOps to manage all work items and release cycles.
You need to recommend a solution to perform the following tasks:
• Collect crash reports for issue analysis
• Distribute beta releases to your testers.
• Get user feedback on the functionality of new apps. What should you include in the recommendation?

A. Jenkins integration
B. Azure Application Insights widgets
C. the Microsoft Test & Feedback extension
D. Microsoft Visual Studio App Center integration

Answer: D

Explanation:
The "Exploratory Testing" extension is now "Test & Feedback" and is now Generally Available.
Anyone can now test web apps and give feedback, all directly from the browser on any platform: Windows, Mac, or Linux. Available for Google Chrome and Mozilla Firefox (required version 50.0 or above) currently. Support for Microsoft Edge is in the pipeline and will be enabled once Edge moves to a Chromium-compatible web platform.
References:
https://marketplace.visualstudio.com/items?itemName=ms.vss-exploratorytesting-web

NEW QUESTION 252
- (Topic 4)
You haw an Azure subscription that contains multiple Azure services. You need to send an SMS alert when scheduled maintenance is planned for the Azure services. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Create an Azure Service Health alert.
B. Enable Azure Security Center.
C. Create and configure an action group
D. Create and configure an Azure Monitor alert rule

Answer: AD

NEW QUESTION 257
HOTSPOT - (Topic 4)
Your company uses Git as a source code control system for a complex app named App1. You plan to add a new functionality to App1.
You need to design a branching model for the new functionality.
Which branch lifetime and branch time should you use in the branching model? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Branch lifetime:
- Long-lived
- Short-lived

Branch type:
- Master
- Feature
- Integration

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Branch lifetime: Short-lived
Branch type: Feature
Feature branches are used when developing a new feature or enhancement which has the potential of a development lifespan longer than a single deployment. When starting development, the deployment in which this feature will be released may not be known. No matter when the feature branch will be finished, it will always be merged back into the master branch.
References: https://gist.github.com/digitaljhelms/4287848

NEW QUESTION 258
- (Topic 4)
You have an Azure subscription that contains resources in several resource groups.
You need to design a monitoring strategy that will provide a consolidated view. The solution must support the following requirements:
• Support role-based access control (RBAC) by using Azure Active Directory (Azure AD) identities.
• Include visuals from Azure Monitor that are generated by using the Kusto query language.
• Support documentation written in markdown.
• Use the latest data available for each visual.
What should you use to create the consolidated view?

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

Answer: A

Explanation:
There are several tools available for running queries in Azure Data Explorer, including Kusto.
Kusto uses a role-based access control (RBAC) model, under which authenticated principals are mapped to roles, and get access according to the roles they're assigned.
Note: Azure Data Explorer is a highly scalable and secure analytics service that enables you to do rich exploration of structured and unstructured data for instant insights. Optimized for ad-hoc queries, Azure Data Explorer enables rich data exploration over raw, structured,
and semi-structured data delivering fast time to insight. Query with a modern, intuitive query language that offers fast, ad-hoc, and advanced query capabilities over high-rate data volumes and varieties
Reference:
https://docs.microsoft.com/en-us/azure/data-explorer/tools-integrations-overview

NEW QUESTION 261
DRAG DROP - (Topic 4)
You plan to use Azure Kubernetes Service (AKS) to host containers deployed from images hosted in a Docker Trusted Registry.
You need to recommend a solution for provisioning and connecting to AKS. The solution must ensure that AKS is RBAC-enaWed and uses a custom service principal.
Which three commands should you recommend be run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the coned order.

Commands		Answer Area
kubectl create		1
az role assignment create		2
az aks get-credentials		3
az ad sp create-for-rbac		
az aks create		

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 266
- (Topic 4)
You use GitHub for source control of .NET applications.
You need to deploy a documentation solution that meets the following requirements:
? Documents will be written in Markdown as developers make code changes
? Changes to the documents will trigger the recompilation of a static website.
? Users will access the documents from the static websites
? Documents will be stored in a GitHub repository
Which two tools can you use to compile the website? Each correct answer presents a complete solution.

A. Jeky11
B. Medium
C. caret
D. WordPress
E. Doc FX

Answer: AD

Explanation:
 A. Jekyll is a static site generator that can be used to generate a static website from Markdown files stored in a GitHub repository. Jekyll supports the use of Markdown for writing documentation, and it can automatically recompile the website whenever changes are made to the documentation.
* E. Doc FX is another tool that can be used to compile a static website from Markdown files stored in a GitHub repository. It is an open-source tool that can be used to generate API documentation, reference documentation, and other types of documentation from source code and other files. Doc FX supports the use of Markdown for writing documentation and it can automatically recompile the website whenever changes are made to the documentation.

NEW QUESTION 269
- (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 action should you include in the recommendation?

A. Configure post-deployment approvals in the deployment pipeline.
B. Integrate Azure DevOps and Sonar Rube.
C. Integrate Azure DevOps and Azure Dev Test Labs.

Answer: B

Explanation:
You can manage technical debt with Sonar Rube and Azure DevOps.
Note: Technical debt is the set of problems in a development effort that make forward progress on customer value inefficient. Technical debt saps productivity by

making code hard to understand, fragile, time-consuming to change, difficult to validate, and creates unplanned work that blocks progress. Unless they are managed, technical debt can accumulate and hurt the overall quality of the software and the productivity of the development team in the long term SonarQube an open source platform for continuous inspection of code quality to perform automatic reviews with static analysis of code to:
? Detect Bugs
? Code Smells
? Security Vulnerabilities
? Centralize Quality
? What's covered in this lab
Reference: https://azuredevopslabs.com/labs/vstsextend/sonarqube/

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 pipeline that is used to deploy a web app. The pipeline includes a test suite named TestSuite1. TestSuite1 is used to validate the operations of the web app.
TestSuite1 fails intermittently.
You identify that the failures are unrelated to changes in the source code and execution environment.
You need to minimize troubleshooting effort for the TestSuite1 failures. Solution: You implement the Test Results Trend widget.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 277
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it as a result, these questions will not appear in the review screen.
You have an Azure pipeline that is used to deploy a web app. The pipeline includes a test suite named TestSuite1. TestSuite1 is used to validate the operations of the web app.
TestSuite1 fails intermittently.
You identify that the failures are unrelated to changes in the source code and execution environment.
You need to minimize troubleshooting effort for the TestSuite1 failures. Solution: You enable flaky test management.
Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 282
DRAG DROP - (Topic 4)
You are implementing an Azure DevOps strategy for mobile devices using App Center. You plan to use distribution groups to control access to releases.
You need to create the distribution groups shown in the following table.

Name	Use
Group1	Application testers who are invited by email
Group2	Early release users who use unauthenticated public links
Group3	Application testers for all the apps of your company

Which type of distribution group should you use for each group? To answer, drag the appropriate group types to the correct locations. Each group type may be used once, more
than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box1: Private
In App Center, distribution groups are private by default. Only testers invited via email can access the releases available to this group.
Box 2: Public
Distribution groups must be public to enable unauthenticated installs from public links.
Box 3: Shared
Shared distribution groups are private or public distribution groups that are shared across multiple apps in a single organization.

NEW QUESTION 284
- (Topic 4)
You use a Git repository in Azure Repos to manage the source code of a web application. Developers commit changes directly to the master branch.
You need to implement a change management procedure that meets the following requirements:
The master branch must be protected, and new changes must be built in the feature branches first.
Changes must be reviewed and approved by at least one release manager before each merge.
Changes must be brought into the master branch by using pull requests. What should you configure in Azure Repos? D18912E1457D5D1DDCBD40AB3BF70D5D

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

Answer: A

Explanation:
 Branch policies help teams protect their important branches of development.
Policies enforce your team's code quality and change management standards. Reference:
https://docs.microsoft.com/en-us/azure/devops/repos/git/branch-policies

NEW QUESTION 285
HOTSPOT - (Topic 4)
You use Azure DevOps to manage the build and deployment of an app named App1. You have a release pipeline that deploys a virtual machine named VM1.
You plan to monitor the release pipeline by using Azure Monitor
You need to create an alert to monitor the performance of VM1. The alert must be triggered when the average CPU usage exceeds 70 percent for five minutes. The alert must calculate the average once every minute.
How should you configure the alert rule? To answer, select the appropriate options in the answer area.

Answer Area

Aggregation granularity (Period):	1 minute / 5 minutes
Threshold value:	Static / Dynamic
Operator:	Greater than / Greater than or equal to / Less than or equal to / Less than

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: 5 minutes
The alert must calculate the average once every minute.
Note: We [Microsoft] recommend choosing an Aggregation granularity (Period) that is larger than the Frequency of evaluation, to reduce the likelihood of missing the first
evaluation of added time series Box 2: Static
Box 3: Greater than
Example, say you have an App Service plan for your website. You want to monitor CPU usage on multiple instances running your web site/app. You can do that using a metric alert rule as follows:
? Target resource: myAppServicePlan
? Metric: Percentage CPU
? Condition Type: Static
? Dimensions
? Instance = InstanceName1, InstanceName2
? Time Aggregation: Average
? Period: Over the last 5 mins
? Frequency: 1 min
? Operator: GreaterThan
? Threshold: 70
? Like before, this rule monitors if the average CPU usage for the last 5 minutes exceeds 70%.
? Aggregation granularity

NEW QUESTION 290
DRAG DROP - (Topic 4)
You have an Azure DevOps release pipeline as shown in the following exhibit.

Create Resource Group (if not created)
Azure CLI

Create Storage Account (if not created)
Azure CLI

Create OWASP Container
Azure CLI
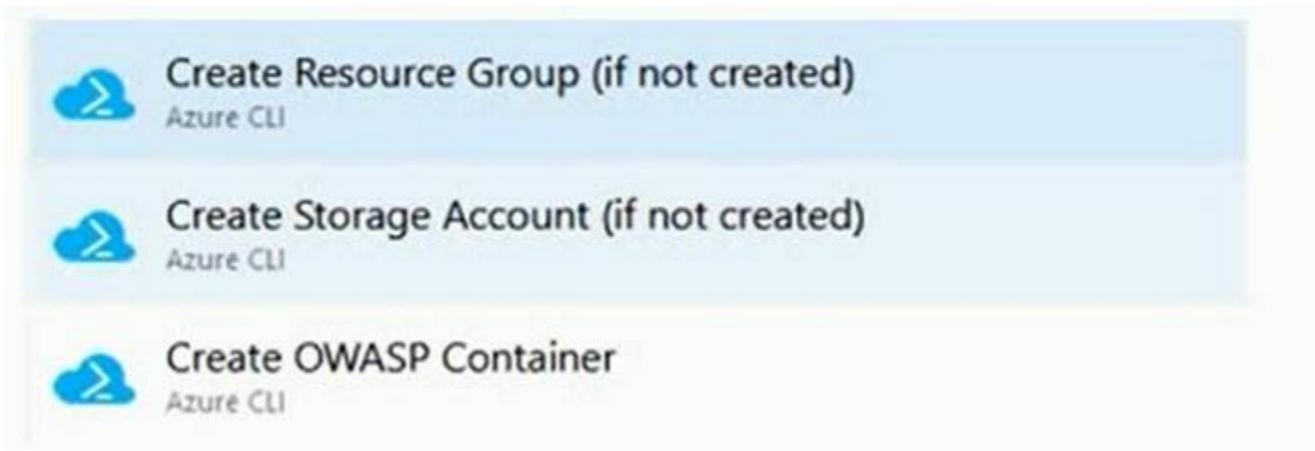
You need to complete the pipeline to configure OWASP ZAP for security testing.
Which five Azure CLI tasks should you add in sequence? To answer, move the tasks from the list of tasks to the answer area and arrange them in the correct order.

Tasks

Build machine image
Convert Report Format
Download the file
Publish Test Results
Docker CLI installer
Destroy OWASP Container
Call the Baseline Scan

Answer Area
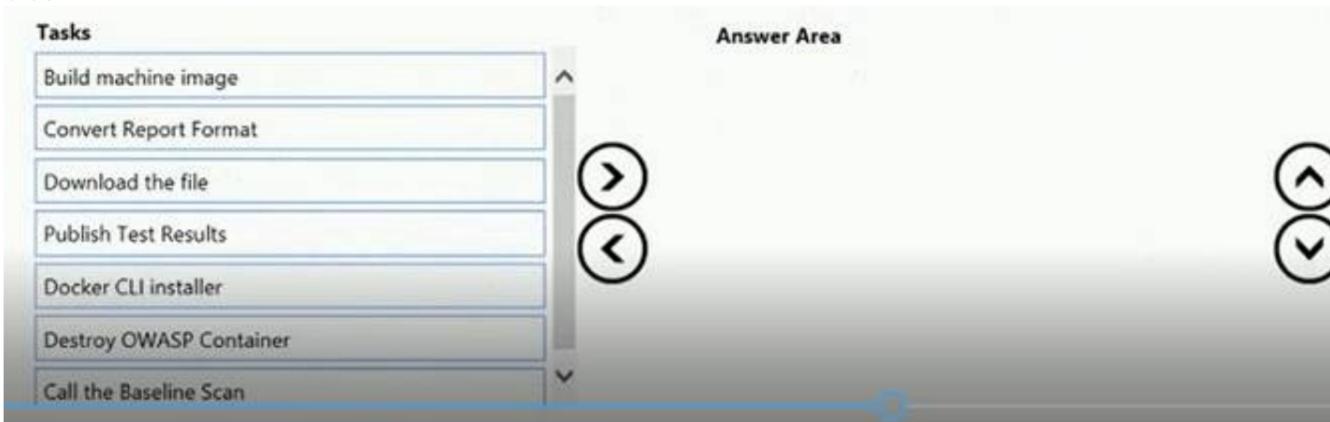
A. Mastered
B. Not Mastered

Answer: A

Explanation:
Defining the Release Pipeline
Once the application portion of the Release pipeline has been configured, the security scan
portion can be defined. In our example, this consists of 8 tasks, primarily using the Azure CLI task to create and use the ACI instance (and supporting structures).
Otherwise specified, all the Azure CLI tasks are Inline tasks, using the default configuration options.

Create Resource Group (if not created)
Azure CLI

Create Storage Account (if not created)
Azure CLI

Create OWASP Container
Azure CLI

Call the Baseline Scan
Azure CLI

Download the file
Azure CLI

Convert Report Format
PowerShell

Publish Test Results
Publish Test Results

Destroy OWASP Container
Azure CLI
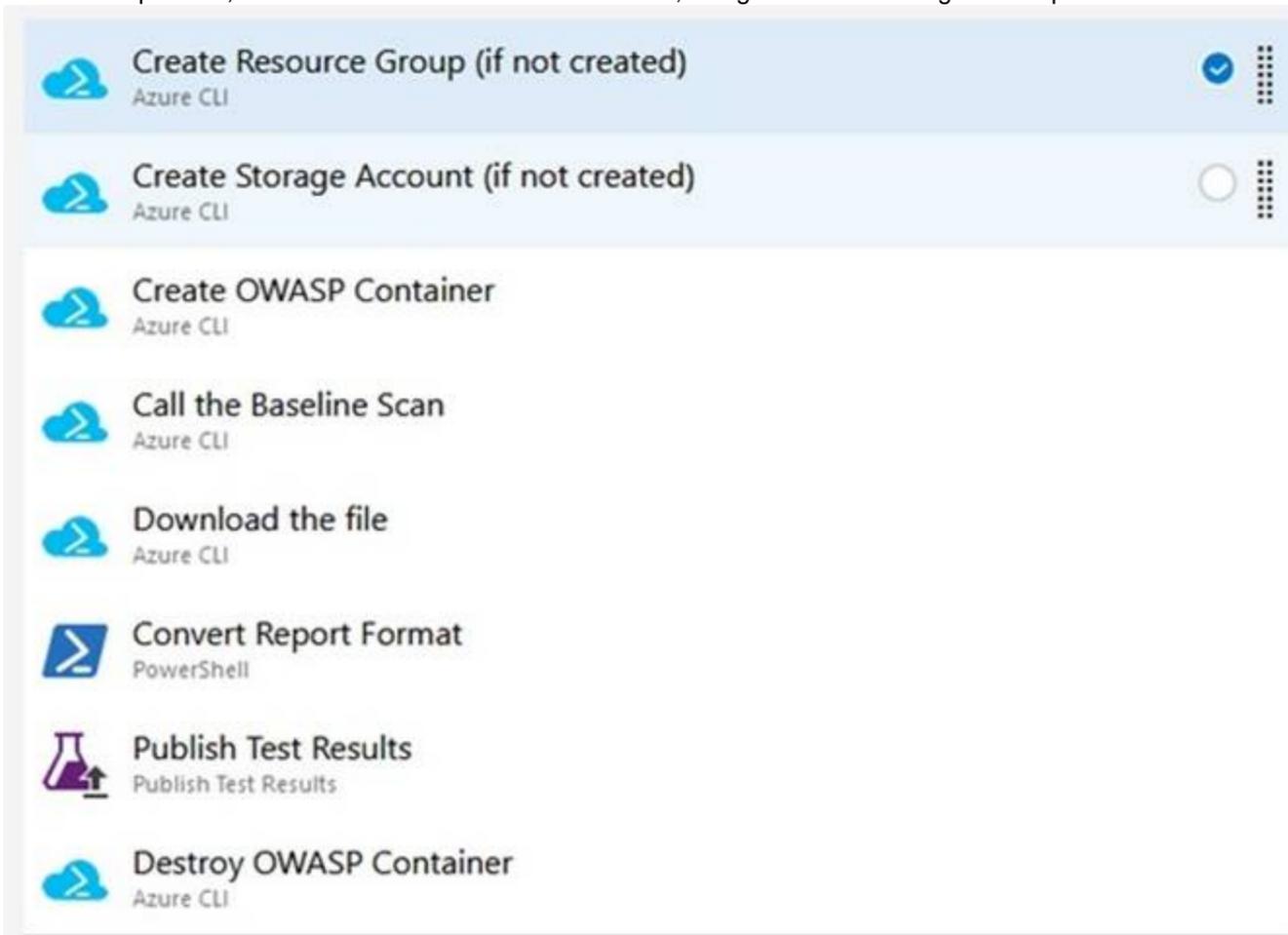
NEW QUESTION 293
SIMULATION - (Topic 4)
You need to configure a virtual machine named VM1 to securely access stored secrets in an Azure Key Vault named az400-11566895-kv.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
You can use a system-assigned managed identity for a Windows virtual machine (VM) to access Azure Key Vault.
? Sign in to Azure portal
? Locate virtual machine VM1.
? Select Identity
? Enable the system-assigned identity for VM1 by setting the Status to On.
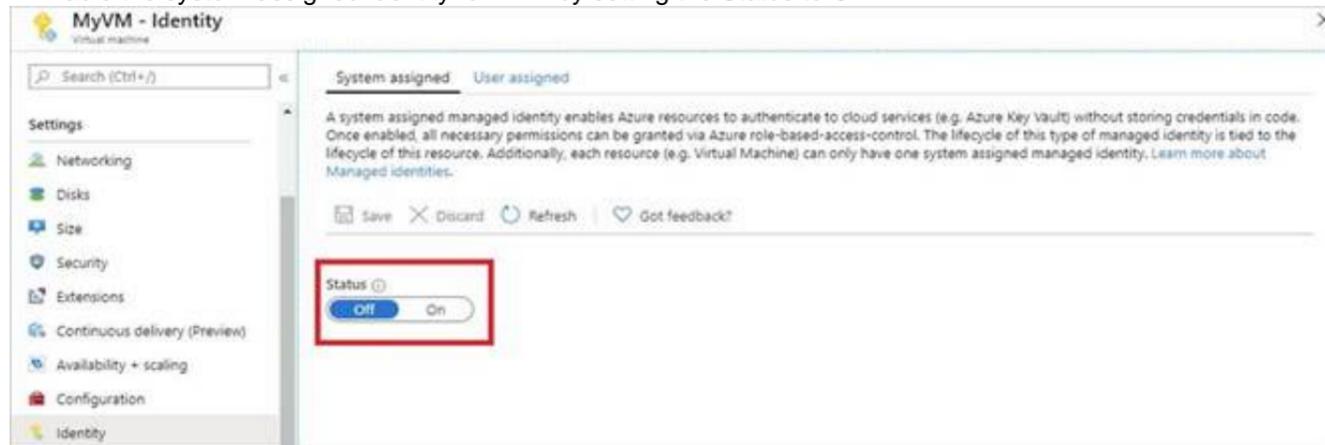
Note: Enabling a system-assigned managed identity is a one-click experience. You can either enable it during the creation of a VM or in the properties of an existing VM.

NEW QUESTION 294
- (Topic 4)
You have a containerized solution that runs in Azure Container Instances. The solution contains a frontend container named App1 and a backend container named DB1. DB1 loads a large amount of data during startup.
You need to verify that DB1 can handle incoming requests before users can submit requests to Appl.
What should you configure?

A. a liveness probe
B. an Azure Load Balancer health probe
C. a readiness probe
D. a performance log

Answer: C

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

NEW QUESTION 296
- (Topic 4)
You are creating a build pipeline in Azure Pipelines.
You define several tests that might fail due to third-party applications.
You need to ensure that the build pipeline completes successfully if the third-party applications are unavailable.
What should you do?

A. Configure the build pipeline to use parallel jobs
B. Configure flaky tests
C. Increase the test pass percentage
D. Add the Requirements quality widget to your dashboard

Answer: B

NEW QUESTION 299
- (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 300
- (Topic 4)
You have an Azure subscription that contains four Azure virtual machines
You need to configure the virtual machines to use a single identity. The solution must meet the following requirements:
• Ensure that the credentials for the identity are managed automatically.
• Support granting privileges to the identity. Which type of identity should you use?

A. a service principal
B. a user-assigned managed identity
C. a system-assigned managed identity
D. a user account

Answer: C

Explanation:
System-assigned managed identities enable Azure resources to authenticate to cloud services without storing credentials in code. They also support granting privileges to the identity, making them the ideal choice for this scenario. Source: Microsoft

NEW QUESTION 302
- (Topic 4)
This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an Azure DevOps project.
Your build process creates several artifacts.
You need to deploy the artifacts to on-premises servers.
Solution: You deploy an Azure self-hosted agent to an on-premises server. You add a Copy and Publish Build Artifacts task to the deployment pipeline.
Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
To build your code or deploy your software using Azure Pipelines, you need at least one agent.
If your on-premises environments do not have connectivity to a Microsoft-hosted agent pool (which is typically the case due to intermediate firewalls), you'll need to manually configure a self-hosted agent on on-premises computer(s). The agents must have connectivity to the target on-premises environments, and access to the Internet to connect to Azure Pipelines or Team Foundation Server.
References:
https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/agents?view=azure- devops

NEW QUESTION 305
- (Topic 4)
You have a GitHub Enterprise account.
You need to enable push protection for secret scanning of the account repositories. What should you do first?

A. Purchase Premium Plus support.
B. Enforce multi-factor authentication (MFA).
C. Purchase a GitHub Advanced Security license.
D. Create an access policy for secrets.

Answer: C

NEW QUESTION 306
- (Topic 4)
You have an Azure DevOps project named Project1 and an Azure subscription named Sub1.
You need to prevent releases from being deployed unless the releases comply with the Azure Policy rules assigned to Sub1.
What should you do in the release pipeline of Project1?

A. Create a pipeline variable.
B. Add a deployment gate.
C. Configure a deployment trigger.
D. Modify the Deployment queue settings.

Answer: B

Explanation:
You can check policy compliance with gates.
You can extend the approval process for the release by adding a gate. Gates allow you to configure automated calls to external services, where the results are used to approve or reject a deployment.
You can use gates to ensure that the release meets a wide range or criteria, without requiring user intervention.
Reference:
https://docs.microsoft.com/en-us/azure/devops/pipelines/release/deploy-using-approvals

NEW QUESTION 311
DRAG DROP - (Topic 4)
You have a GitHub organization named org1 and an Azure tenant named Tenant1.
You need to enable single sign-on (SSO) in Azure Active Directory (Azure AD) for the users in org1.

Which URIs should you use for the SAML configuration in Azure AD? To answer, drag the appropriate URIs to the correct settings. Each URI 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.

URIs

https://github.com/orgs/org1
https://github.com/orgs/org1/sso
https://login.microsoftonline.com/tenant1
https://github.com/orgs/org1/saml/consume
https://login.microsoftonline.com/tenant1.com

Answer Area

Identifier (Entity ID):

Reply URL (Assertion Consumer Service URL):

Sign on URL:

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated

NEW QUESTION 313
HOTSPOT - (Topic 4)
You have an Azure Kubernetes Service (AKS) pod.
You need to configure a probe to perform the following actions:
? Confirm that the pod is responding to service requests.
? Check the status of the pod four times a minute.
? Initiate a shutdown if the pod is unresponsive.
How should you complete the YAML configuration file? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

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

livenessProbe:
readinessProbe:
ShutdownProbe:
startupProbe:

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

initialDelaySeconds: 15
periodSeconds: 15
timeoutSeconds: 15

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 318
- (Topic 4)

You have an app named App1 that uses Application Insights to monitor application performance.
You need to analyze how often a page in App1 is accessed. Which pane in Application Insights should you use?

A. Events
B. Sessions
C. Impact
D. Users

Answer: B

NEW QUESTION 320
DRAG DROP - (Topic 4)
You have an app named App1. You have a Log Analytics workspace named Workspace 1 that contains two tables named Events and Logs. App1 manages events in multiple locations and writes logs to Workspace1.
You need to query Workspace1 for all log entries related to Asia that occurred during the last two days.
In which order should you arrange the query statements? To answer, move all statements from the list of statements to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 325
- (Topic 4)
You have the services shown in the following table.

Name	Interface type
Service1	HTTP
Service2	HTTPS

You manage a project by using Azure Boards.
You need to notify the services Of build Status changes. Which services can be notified by using a web hook?

A. Service1 only
B. Service2 only
C. Service1 and Service2 only

Answer: C

NEW QUESTION 329
- (Topic 4)
You use Azure DevOps processes to build and deploy code.
You need to compare how much time is spent troubleshooting issues found during development and how much time is spent troubleshooting issues found in released code.
Which KPI should you use?

A. defect escape rate
B. unplanned work rate
C. defect rate
D. rework rate

Answer: A

Explanation:
The defect escape rate is a metric that assesses the collective quality of software releases by evaluating how often errors are discovered and rectified in the pre-production process versus during production.
The defect escape rate is a KPI (Key Performance Indicator) that measures how many defects are found in released code versus how many are found during development. This KPI can help you to compare how much time is spent troubleshooting issues found during development versus how much time is spent troubleshooting issues found in released code. The higher the defect escape rate, the more defects are found in released code, and thus more time is spent troubleshooting issues in released code.

NEW QUESTION 333
- (Topic 4)
Your company « concerned that when developers introduce open source Libraries, it creates licensing compliance issues.
You need to add an automated process to the build pipeline to detect when common open source libraries are added to the code base.
What should you use?

A. Code Style
B. Microsoft Visual SourceSafe
C. Black Duck
D. Jenkins

Answer: C

Explanation:
Secure and Manage Open Source Software
Black Duck helps organizations identify and mitigate open source security, license compliance and code-quality risks across application and container portfolios.
Black Duck Hub and its plugin for Team Foundation Server (TFS) allows you to automatically find and fix open source security vulnerabilities during the build process, so you can proactively manage risk. The integration allows you to receive alerts and fail builds when any Black Duck Hub policy violations are met.
Note: WhiteSource would also be a good answer, but it is not an option here. References:
https://marketplace.visualstudio.com/items?itemName=black-duck-software.hub-tfs

NEW QUESTION 338
- (Topic 4)
You have an Azure Resource Manager template that deploys a multi-tier application.
You need to prevent the user who performs the deployment from viewing the account credentials and connection strings used by the application.
What should you use?

A. an Azure Resource Manager parameter file
B. an Azure Storage table
C. an Appsettings.json files
D. Azure Key Vault
E. a Web.config file

Answer: D

Explanation:
When you need to pass a secure value (like a password) as a parameter during deployment, you can retrieve the value from an Azure Key Vault. You retrieve the value by referencing the key vault and secret in your parameter file. The value is never exposed because you only reference its key vault ID. The key vault can exist in a different subscription than the resource group you are deploying to.
References: https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-keyvault-parameter

NEW QUESTION 339
- (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 Kubernetes cluster on-premises. You deploy a Helm agent to the
cluster. 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).
Note 2: As we [Microsoft] are launching this new experience in preview, we are currently optimizing it for Azure Kubernetes Service (AKS) and Azure Container Registry (ACR). Other Kubernetes clusters, for example running on-premises or in other clouds, as well as other container registries, can be used, but require setting up a Service Account and connection manually.
References:
https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/agents?view=azure- devops

NEW QUESTION 341
DRAG DROP - (Topic 4)
You have several Azure virtual machines that run Windows Server 2019.
You need to identify the distinct event IDs of each virtual machine as shown in the following table.

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

How should you complete the Azure Monitor query? To answer, drag the appropriate values to the correct locations. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
You can use makelist to pivot data by the order of values in a particular column. For example, you may want to explore the most common order events take place on your machines. You can essentially pivot the data by the order of EventIDs on each machine.
Example: Event
| where TimeGenerated > ago(12h)
| order by TimeGenerated desc
| summarize makelist(EventID) by Computer

NEW QUESTION 342
......

THANKS FOR TRYING THE DEMO OF OUR PRODUCT

Visit Our Site to Purchase the Full Set of Actual AZ-400 Exam Questions With Answers.

We Also Provide Practice Exam Software That Simulates Real Exam Environment And Has Many Self-Assessment Features. Order the AZ-400 Product From:

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

Money Back Guarantee

AZ-400 Practice Exam Features:

* AZ-400 Questions and Answers Updated Frequently

* AZ-400 Practice Questions Verified by Expert Senior Certified Staff

* AZ-400 Most Realistic Questions that Guarantee you a Pass on Your FirstTry

* AZ-400 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year