Microsoft

Exam Questions AZ-400

Microsoft Azure DevOps Solutions (beta)

NEW QUESTION 1
SIMULATION - (Topic 4)
You need to create an instance of Azure Application Insights named az400-9940427-main and configure the instance to receive telemetry data from an Azure web app named az400- 9940427-main.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: Create an instance of Azure Application Insights
* 1. Open Microsoft Azure Portal
* 2. Log into your Azure account, Select Create a resource > Developer tools > Application Insights.

* 3. Enter the following settings, and then select Review + create. Name: az400-9940427-main
Step 2: Configure App Insights SDK
* 4. Open your ASP.NET Core Web App project in Visual Studio > Right-click on the AppName in the Solution Explorer > Select Add > Application Insights Telemetry.
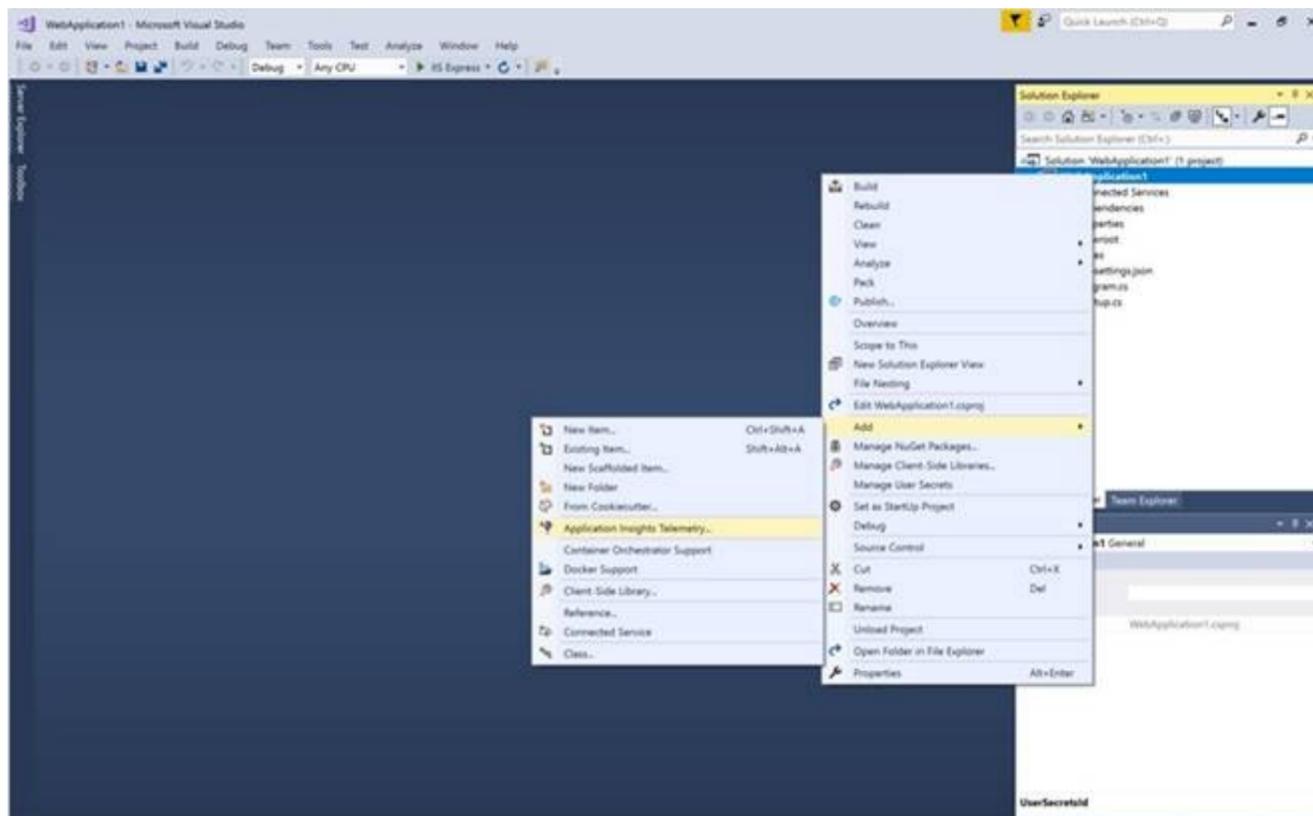
* 5. Click the Get Started button
* 6. Select your account and subscription > Select the Existing resource you created in the Azure portal > Click Register.
References:
https://docs.microsoft.com/bs-latn-ba/azure/azure-monitor/learn/dotnetcore-quick- start?view=vs-2017

NEW QUESTION 2
- (Topic 4)
You have a multi-tier application. The front end of the application is hosted in Azure App Service.
You need to identify the average load times of the application pages. What should you use?

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

Answer: A

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

NEW QUESTION 3
- (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
DRAG DROP - (Topic 4)
You need to recommend project metrics for dashboards in Azure DevOps.
Which chart widgets should you recommend for each metric? To answer, drag the appropriate chart widgets to the correct metrics. Each chart widget may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Chart Widgets

Burndown

Cycle Time

Lead Time

Velocity

Answer Area

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

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

The remaining work:

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Lead time
Lead time measures the total time elapsed from the creation of work items to their completion.
Box 2: Cycle time
Cycle time measures the time it takes for your team to complete work items once they begin actively working on them.
Box 3: Burndown
Burndown charts focus on remaining work within a specific time period.

NEW QUESTION 6
- (Topic 4)
You are developing an iOS application by using Azure DevOps.
You need to test the application manually on 10 devices without releasing the application to the public.
Which two actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

Answer: EF

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

NEW QUESTION 7
- (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 8
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that m.ght meet the stated goals. Some question sets might have more than one correct solution, while others might not have a
correct solution.
After you answer a question in this section, you win NOT be able to return to it. As a result, these questions win not appear in the review screen.
You integrate a cloud- hosted Jenkins server and a new Azure DevOps deployment You need Azure DevOps to send a notification to Jenkins when a developer commits
changes to a branch in Azure Repos.
Solution: You create a service hook subscription that uses the code pushed event. Does this meet the goal?

A. Yes
B. NO

Answer: A

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

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

A. Yes
B. No

Answer: B

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

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

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

Answer: ABD

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

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

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

Answer: A

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

NEW QUESTION 14
HOTSPOT - (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 the project can be scanned for known security vulnerabilities in the open source libraries.
What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Object to create:
- A build task
- A deployment task
- An artifacts repository

Service to use:
- WhiteSource Bolt
- Bamboo
- CMake
- Chef

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: A Build task Trigger a build
You have a Java code provisioned by the Azure DevOps demo generator. You will use WhiteSource Bolt extension to check the vulnerable components present in this code.
? Go to Builds section under Pipelines tab, select the build definition WhiteSourceBolt and click on Queue to trigger a build.
? To view the build in progress status, click on ellipsis and select View build results.
Box 2: WhiteSource Bolt
WhiteSource is the leader in continuous open source software security and compliance management. WhiteSource integrates into your build process, irrespective of your programming languages, build tools, or development environments. It works automatically, continuously, and silently in the background, checking the security, licensing, and quality of your open source components against WhiteSource constantly-updated denitive database of open source repositories.
References: https://www.azuredevopslabs.com/labs/vstsextend/whitesource/

NEW QUESTION 19
- (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 24
- (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 fall to meet the performance baseline?

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

Answer: C

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

NEW QUESTION 27
- (Topic 4)
You have an Azure DevOps organization named Contoso.
You need to recommend an authentication mechanism that meets the following requirements:
• Supports authentication from Get
• Minimizes the need to provide credentials during authentication What should you recommend?

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

Answer: B

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

NEW QUESTION 30
- (Topic 4)
You store source code in a Git repository in Azure repos. You use a third-party continuous integration (CI) tool to control builds.
What will Azure DevOps use to authenticate with the tool?

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

Answer: B

Explanation:
Personal access tokens (PATs) give you access to Azure DevOps and Team Foundation Server (TFS), without using your username and password directly.
Reference:
https://docs.microsoft.com/en-us/azure/devops/repos/git/auth-overview

NEW QUESTION 32
- (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 37
- (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 42
SIMULATION - (Topic 4)
You need to ensure that an Azure web app named az400-9940427-main can retrieve secrets from an Azure key vault named az400-9940427-kv1 by using a system managed identity.
The solution must use the principle of least privilege.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

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

References:
https://docs.microsoft.com/en-us/azure/app-service/overview-managed-identity
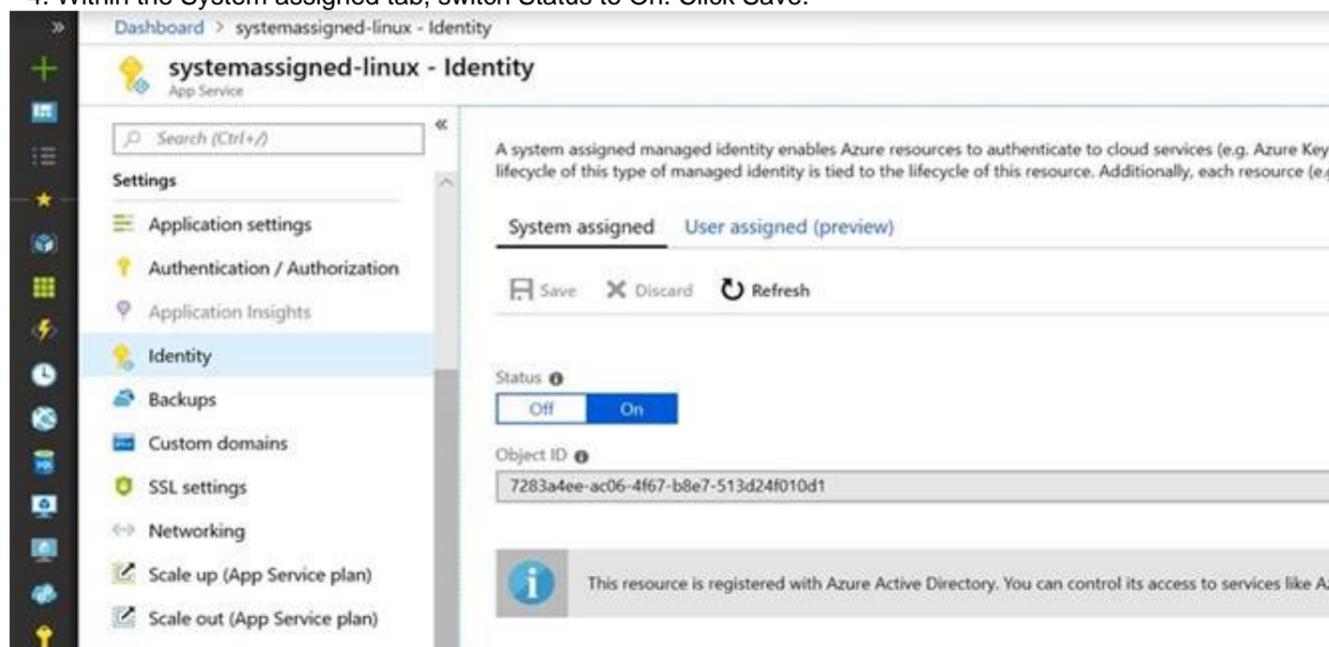
NEW QUESTION 44
- (Topic 4)
You use Azure Pipelines to manage build pipelines. GitHub to store source code, and Dependabot to manage dependencies.
You have an app named App1.
Dependabot detects a dependency in App1 that requires an update. What should you do first to apply the update?

A. Perform a commit.
B. Create a pull request.
C. Approve the pull request
D. Create a branch.

Answer: C

Explanation:
DependaBot is a useful tool to regularly check for dependency updates. By helping to keep your project up to date, DependaBot can reduce technical debt and immediately apply security vulnerabilities when patches are released. How does DependaBot work?
? DependaBot regularly checks dependencies for updates
? If an update is found, DependaBot creates a new branch with this upgrade and Pull Request for approval
? You review the new Pull Request, ensure the tests passed, review the code, and decide if you can merge the change
Reference:
https://samlearnsazure.blog/2019/12/20/github-using-dependabot/

NEW QUESTION 46
- (Topic 4)
Your company uses a Git repository in Azure Repos lo manage the source code of a web application. The master branch is protected from direct updates.
Developers work on new features in the topic branches.
Because of the high volume of requested features, it is difficult to follow the history of the changes to the master branch.
You need to enforce a pull request merge strategy. The strategy must meet the following requirements:
• Consolidate commit histories
• Merge tie changes into a tingle commit
Which merge strategy should you use in the branch policy?

A. Git fetch
B. no-fast-forward merge
C. squash merge
D. fast-forward merge

Answer: C

Explanation:
Squash merging is a merge option that allows you to condense the Git history of topic branches when you complete a pull request. Instead of each commit on the topic branch being added to the history of the default branch, a squash merge takes all the file changes and adds them to a single new commit on the default branch.
A simple way to think about this is that squash merge gives you just the file changes, and a regular merge gives you the file changes and the commit history.
Note: Squash merging keeps your default branch histories clean and easy to follow without demanding any workflow changes on your team. Contributors to the topic branch work how they want in the topic branch, and the default branches keep a linear history through the use of squash merges. The commit history of a master branch updated with squash merges will have one commit for each merged branch. You can step through this history commit by commit to find out exactly when work was done.
References: https://docs.microsoft.com/en-us/azure/devops/repos/git/merging-with-squash

NEW QUESTION 50
HOTSPOT - (Topic 4)
Your company uses a Git source-code repository.
You plan to implement GitFlow as a workflow strategy.
You need to identify which branch types are used for production code and preproduction code in the strategy.
Which branch type should you identify for each code type? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Production code:
| Master |
| Feature |
| Develop |

Preproduction code:
| Master |
| Feature |
| Develop |

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 55
- (Topic 4)
You have a project in Azure DevOps named Project that contains a Kanban board named Board1.
You create a Microsoft Teams channel and add the Azure Boards app to the channel. You need to ensure that users can create work items in Board1 from Microsoft Teams. Which command should you run?

A. @azure boards sign in
B. @azure boards link
C. @azure boards create
D. @azure boards subscriptions

Answer: B

NEW QUESTION 58
- (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 59
HOTSPOT - (Topic 4)
You have an Azure subscription.
You need to create a storage account by using a Bicep file.
How should you complete the file? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

```
param storageAccount string

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

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

  name: storageAccountNameToUse

  location: 'eastus'

  sku: {

      name: 'Standard_GRS'

  }

  kind:         ▼      'StorageV2'
    kind:
    param:
    properties:
    type:
    var:
  properties:  ▼   {
    kind:             fficOnly: true
    param:
    properties:
    type:
    var:
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

```
param storageAccount string

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

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

  name: storageAccountNameToUse

  location: 'eastus'

  sku: {

      name: 'Standard_GRS'

  }

  kind:         ▼      'StorageV2'
    kind:
    param:
    properties:
    type:
    var:
  properties:  ▼   {
    kind:             fficOnly: true
    param:
  t properties:
    type:
    var:
```

NEW QUESTION 60
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You plan to create a release pipeline that will deploy Azure resources by using Azure Resource Manager templates. The release pipeline will create the following resources:
? Two resource groups
? Four Azure virtual machines in one resource group
? Two Azure SQL databases in other resource group
You need to recommend a solution to deploy the resources.
Solution: Create a main template that will deploy the resources in one resource group and a nested template that will deploy the resources in the other resource group.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Use two linked templates, instead of the nested template.

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

NEW QUESTION 62
- (Topic 4)
You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 that is configured for auto scaling.
You have a project m Azure DevOps named Project 1. Project! is used to build a web app named App1 and deploy App1 to VMSSt.
You need to ensure that an email alert is generated whenever VMSS1 scales in or out. Solution: From Azure Monitor, configure the auto scale settings.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 65
- (Topic 4)
You administer an Azure DevOps project that includes package feeds.
You need to ensure that developers can unlist and deprecate packages. The solution must use the principle of least privilege.
Which access level should you grant to the developers?

A. Collaborator
B. Contributor
C. Owner

Answer: B

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

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

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

NEW QUESTION 66
- (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 deve4opment effort.
Which option should you select in the Diagnostics settings of the database?

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

Answer: A

Explanation:
ENABLE DIAGNOSTICS TO LOG ANALYTICS
This configuration is done PER DATABASE
* 1. Click on Diagnostics Settings and then Turn On Diagnostics
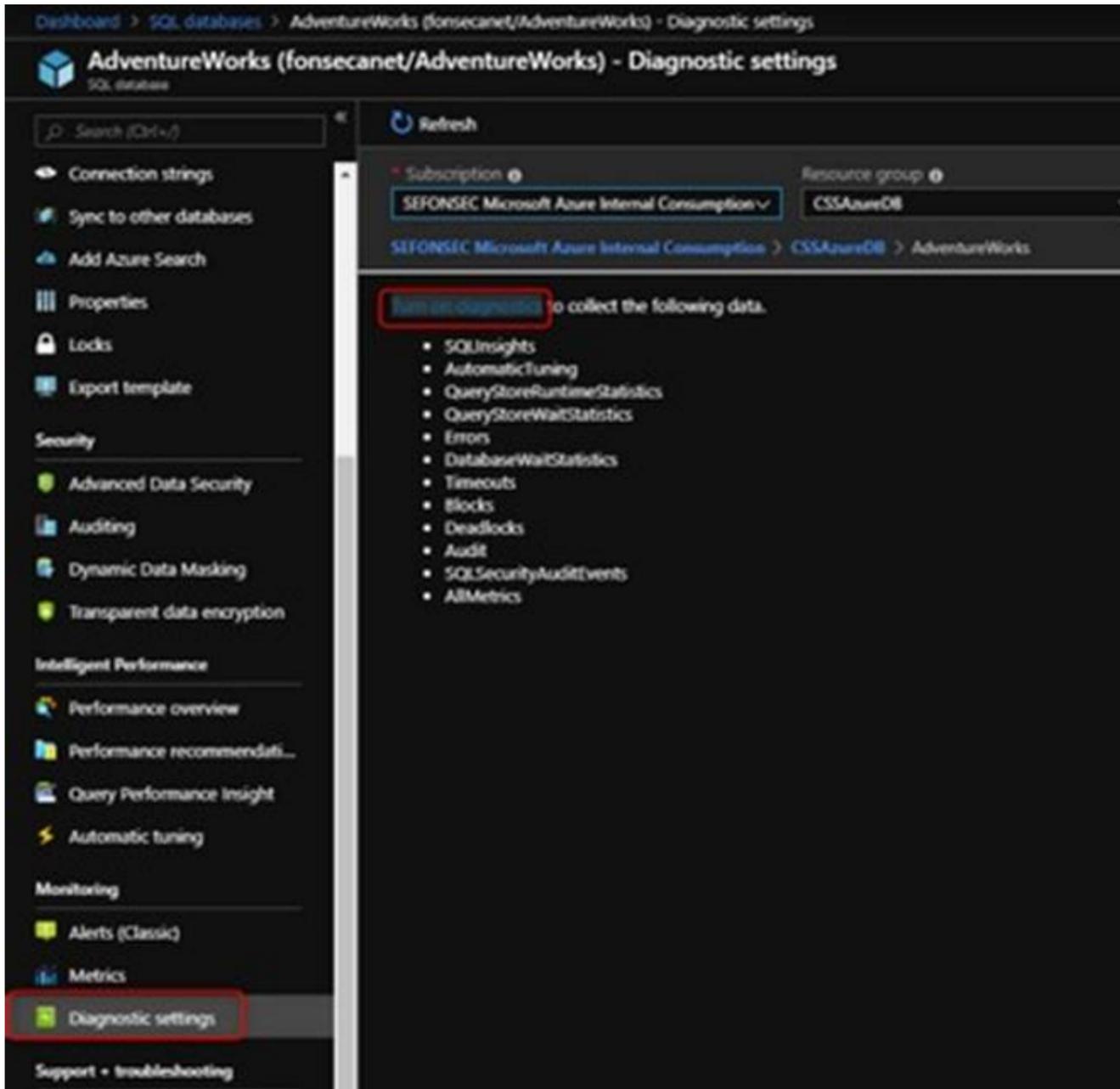
* 2. Select to Send to Log Analytics and select the Log Analytics workspace. For this sample I will selected only Errors

Reference:
https://techcommunity.microsoft.com/t5/azure-database-support-blog/azure-sql-db-and-log-analytics-better-together-part-1/ba-p/794833
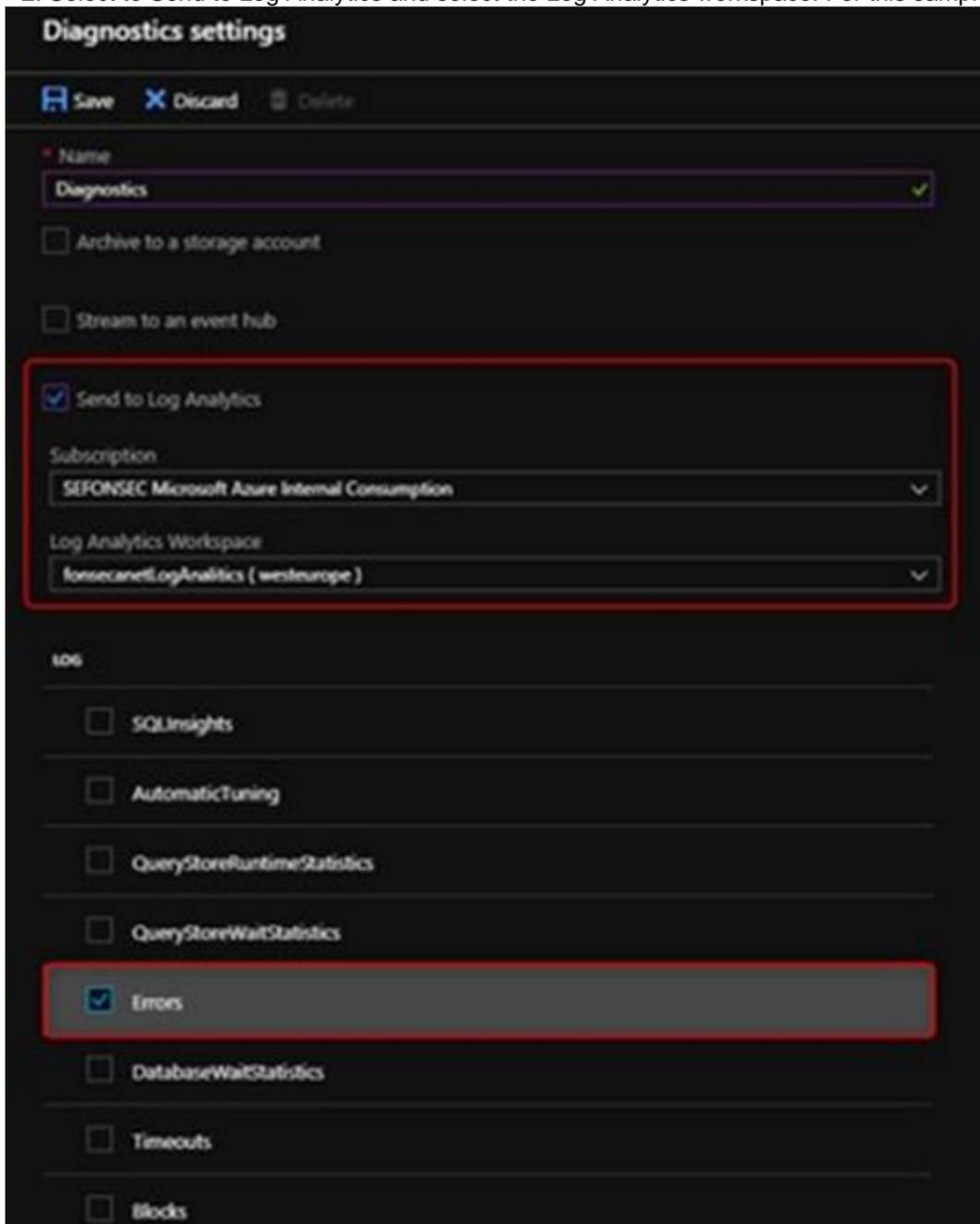
NEW QUESTION 71
HOTSPOT - (Topic 4)
Your company is building a new web application.
You plan to collect feedback from pilot users on the features being delivered.
All the pilot users have a corporate computer that has Google Chrome and the Microsoft
Test & Feedback extension installed. The pilot users will test the application by using Chrome.
You need to identify which access levels are required to ensure that developers can request and gather feedback from the pilot users. The solution must use the principle of least privilege.
Which access levels m Azure DevOps should you identify? To answer, select the appropriate options in the answer area
NOTE: Each correct selection is worth one point.

Developers:
- Basic
- Stakeholder

Pilot users:
- Basic
- Stakeholder

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Basic
Assign Basic to users with a TFS CAL, with a Visual Studio Professional subscription, and to users for whom you are paying for Azure Boards & Repos in an organization.
Box 2: Stakeholder
Assign Stakeholders to users with no license or subscriptions who need access to a limited set of features.
Note:
You assign users or groups of users to one of the following access levels:
Basic: provides access to most features
VS Enterprise: provides access to premium features
Stakeholders: provides partial access, can be assigned to unlimited users for free
References: https://docs.microsoft.com/en-us/azure/devops/organizations/security/access-levels?view=vsts

NEW QUESTION 72
- (Topic 4)
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The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.
You need to recommend changes to reduce the accumulated technical debt. Solution: You recommend reducing the code complexity.
Does this meet the goal?

A. Yes
B. No

Answer: A

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

NEW QUESTION 73
- (Topic 4)
You need to make a custom package available to all the developers. The package must be managed centrally, and the latest version must be available for consumption in Visual Studio automatically.
Which three actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

Answer: ABE

NEW QUESTION 74
HOTSPOT - (Topic 4)
You have an Azure subscription that contains an Azure key vault named Vault1. an Azure pipeline named Pipeline1, and an Azure SQL database named DB1.
Pipeline1 is used to deploy an app that will authenticate to DB1 by using a password.
You need to store the password in Vault1. The solution must ensure that the password can be accessed by Pipeline1.
What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 77
- (Topic 4)
You have a Microsoft ASP.NET Core web app in Azure that is accessed worldwide.
You need to run a URL ping test once every five minutes and create an alert when the web app is unavailable from specific Azure regions. The solution must minimize development time.
What should you do?

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

Answer: B

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

NEW QUESTION 78
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 80
- (Topic 4)
You use WhiteSource Bolt to scan a Node.js application.
The WhiteSource Bolt scan identifies numerous libraries that have invalid licenses. The libraries are used only during development and are not part of a production deployment.
You need to ensure that WhiteSource Bolt only scans production dependencies.
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Run npm install and specify the --production flag.
B. Modify the WhiteSource Bolt policy and set the action for the licenses used by the development tools to Reassign.
C. Modify the devDependencies section of the project's Package.json file.
D. Configure WhiteSource Bolt to scan the node_modules directory only.

Answer: AC

Explanation:
A: To resolve NPM dependencies, you should first run "npm install" command on the relevant folders before executing the plugin.
C: All npm packages contain a file, usually in the project root, called package.json - this file holds various metadata relevant to the project. This file is used to give information to npm that allows it to identify the project as well as handle the project's dependencies. It can also contain other metadata such as a project description, the version of the project in a particular distribution, license information, even configuration data - all of which can be vital to both npm and to the end users of the package.
Reference: https://whitesource.atlassian.net/wiki/spaces/WD/pages/34209870/NPM+Plugin
https://nodejs.org/en/knowledge/getting-started/npm/what-is-the-file-package-json

NEW QUESTION 83
- (Topic 4)
Your company has a project in Azure DevOps for a new web application. The company identifies security as one of the highest priorities.
You need to recommend a solution to minimize the likelihood that infrastructure credentials will be leaked.
What should you recommend?

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

Answer: B

Explanation:

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

NEW QUESTION 88
HOTSPOT - (Topic 4)
You manage the Git repository for a large enterprise application. You need to minimize the data size of the repository.
How should you complete the commands? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Answer Area
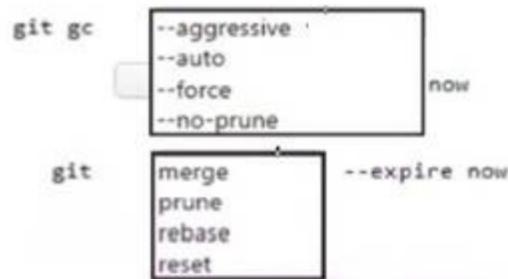
A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: --aggressive
Cleanup unnecessary files and optimize the local repository: get gc --aggressive
Box 2: prune
Prune all unreachable objects from the object database: git prune

NEW QUESTION 91
HOTSPOT - (Topic 4)
You currently use JIRA, Jenkins, and Octopus as part of your DevOps processes. You plan to use Azure DevOps to replace these tools.
Which Azure DevOps service should you use to replace each tool? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
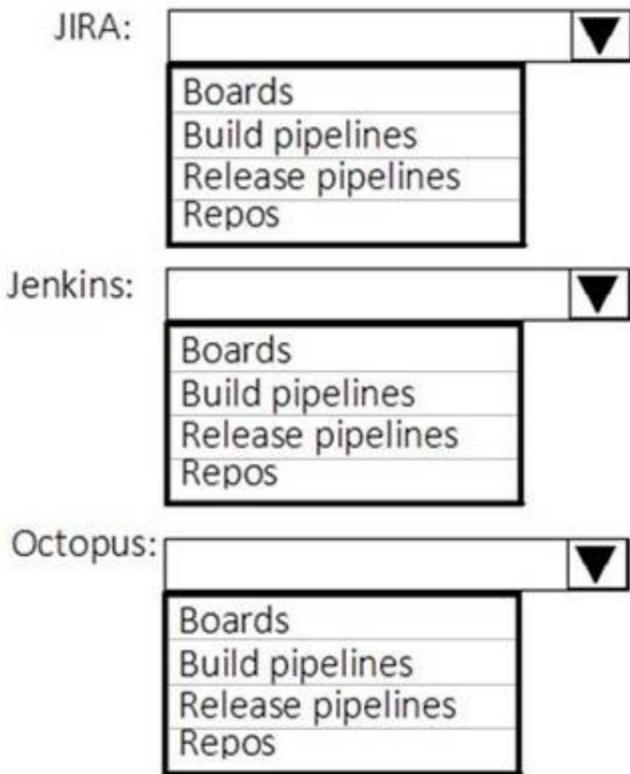
A. Mastered
B. Not Mastered

Answer: A

Explanation:
JIRA- BoardJenkins- Build PipelinesOctopus- Release pipelines

NEW QUESTION 92
- (Topic 4)
You have an Azure virtual machine that is monitored by using Azure Monitor. The virtual machine has the Azure Log Analytics agent installed.
You plan to deploy the Service Map solution from Azure Marketplace.
What should you deploy to the virtual machine to support the Service Map solution?

A. the Telegraf agent

B. the Azure Monitor agent
C. the Dependency agent
D. the Windows Azure diagnostics extension (WAD)

Answer: C

NEW QUESTION 97
- (Topic 4)
You have a project in Azure DevOps named Project1 that references an Azure Artifacts feed named Feed1. You have a package named Package1 that has the versions shown in the following table.

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

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

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

Answer: D

NEW QUESTION 102
- (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 103
DRAG DROP - (Topic 4)
You are creating a NuGet package.
You plan to distribute the package to your development team privately.
You need to share the package and test that the package can be consumed.
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Create a new Azure Artifacts feed.	
Configure a self-hosted agent.	
Publish a package.	
Install a package.	
Connect to an Azure Artifacts feed.	

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: Configure a self-hosted agent.
The build will run on a Microsoft hosted agent.
Step 2: Create a new Azure Artifacts feed
Microsoft offers an official extension for publishing and managing your private NuGet feeds.
Step 3: Publish the package.
Publish, pack and push the built project to your NuGet feed.
Step 4: Connect to an Azure Artifacts feed.
With the package now available, you can point Visual Studio to the feed, and download the newly published package
References:
https://medium.com/@dan.cokely/creating-nuget-packages-in-azure-devops-with-azure-pipelines-and-yaml-d6fa30f0f15e

NEW QUESTION 108
- (Topic 4)
You have an Azure DevOps project named Project1 and an Azure subscription named Sub1. Sub1 contains an Azure SQL database named DB1.
You need to create a release pipeline that uses the Azure SQL Database Deployment task to update DB1.
Which artifact should you deploy?

A. a BACPAC
B. a DACPAC
C. an LDF file
D. an MDF file

Answer: B

Explanation:
Use Azure SQL Database Deployment task in a build or release pipeline to deploy to Azure SQL DB using a DACPAC or run scripts using SQLCMD.
Reference:
https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/deploy/sql-azure-dacpac- deployment

NEW QUESTION 109
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.
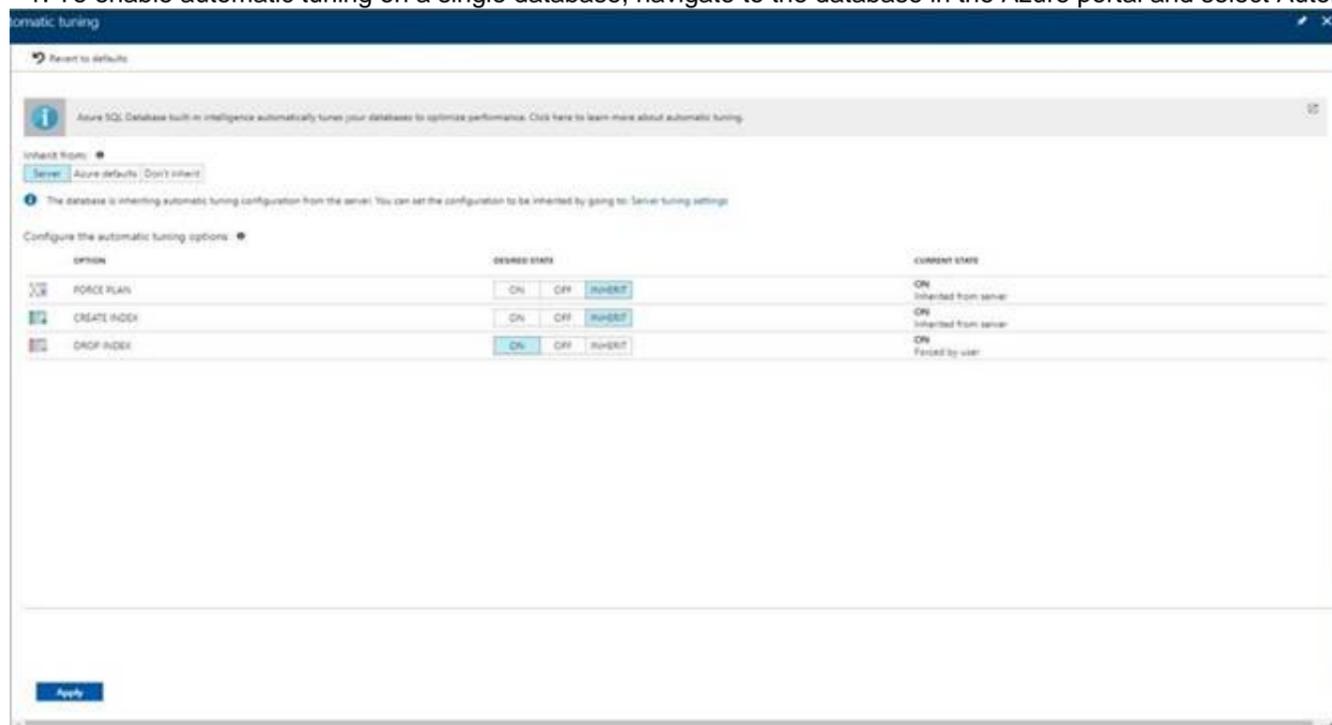
* 2. Select the automatic tuning options you want to enable and select Apply.
Note: Individual automatic tuning settings can be separately configured for each database. You can manually configure an individual automatic tuning option, or specify that an option inherits its settings from the server.

NEW QUESTION 114
- (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. Ansible
B. Maven

C. WhiteSource Bolt
D. Helm

Answer: C

Explanation:
WhiteSource provides WhiteSource Bolt, a lightweight open source security and management solution developed specifically for integration with Azure DevOps and Azure DevOps Server.
Note: WhiteSource is the leader in continuous open source software security and compliance management. WhiteSource integrates into your build process, irrespective of your programming languages, build tools, or development environments. It works automatically, continuously, and silently in the background, checking the security, licensing, and quality of your open source components against WhiteSource constantly-updated denitive database of open source repositories.
Note: Blackduck would also be a good answer, but it is not an option here. Reference:
https://www.azuredevopslabs.com/labs/vstsextend/whitesource/

NEW QUESTION 119
DRAG DROP - (Topic 4)
You have a private project in Azure DevOps and two users named User1 and User2. You need to add User1 and User2 to groups to meet the following requirements:
? User1 must be able to create a code wiki.
? User2 must be able to edit wiki pages.
? The solution must use the principle of least privilege.
To which group should you add each user? To answer, drag the appropriate groups to the correct users. Each group may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Groups

| Build Administrators |
| Contributors |
| Project Administrators |
| Project Valid Users |
| Stakeholders |

Answer Area

User1: _____

User2: _____

A. Mastered
B. Not Mastered

Answer: A

Explanation:
User1: Project Administrators
You must have the permission Create Repository to publish code as wiki. By default, this permission is set for members of the Project Administrators group.
User2: Contributors
Anyone who is a member of the Contributors security group can add or edit wiki pages. Anyone with access to the team project, including stakeholders, can view the wiki.

NEW QUESTION 123
- (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 127
- (Topic 4)
You create a Microsoft ASP.NET Core application.
You plan to use Azure Key Vault to provide secrets to the application as configuration data. You need to create a Key Vault access policy to assign secret permissions to the
application. The solution must use the principle of least privilege. Which secret permissions should you use?

A. List only

B. Get only
C. Get and List

Answer: B

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

**NEW QUESTION 129**
DRAG DROP - (Topic 4)
You have a project in Azure DevOps.
You need to configure a dashboard. The solution must include the following metrics:
• Bottlenecks in the software development process
• A burndown chart for the work in a single iteration
• How long it takes to close a work item after the item was started
Which type of widget should you use for each metric? To answer, drag the appropriate widget types to the correct metrics. Each widget 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.
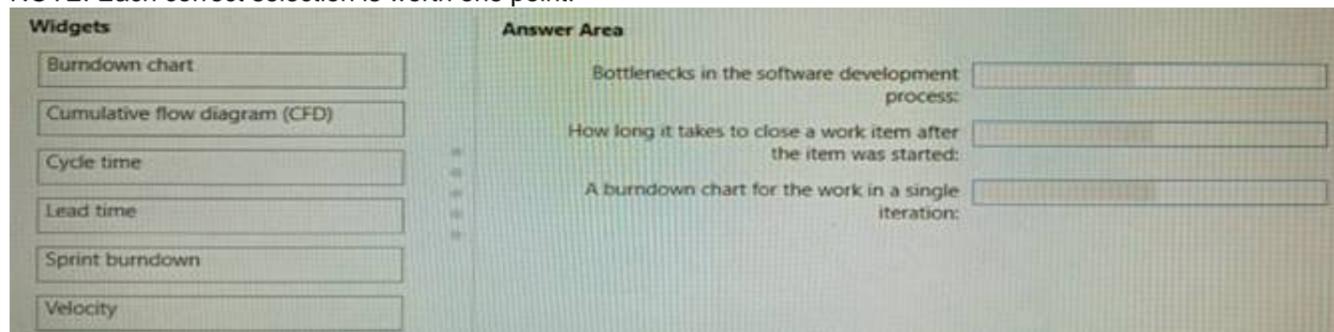
A. Mastered
B. Not Mastered

Answer: A

Explanation:
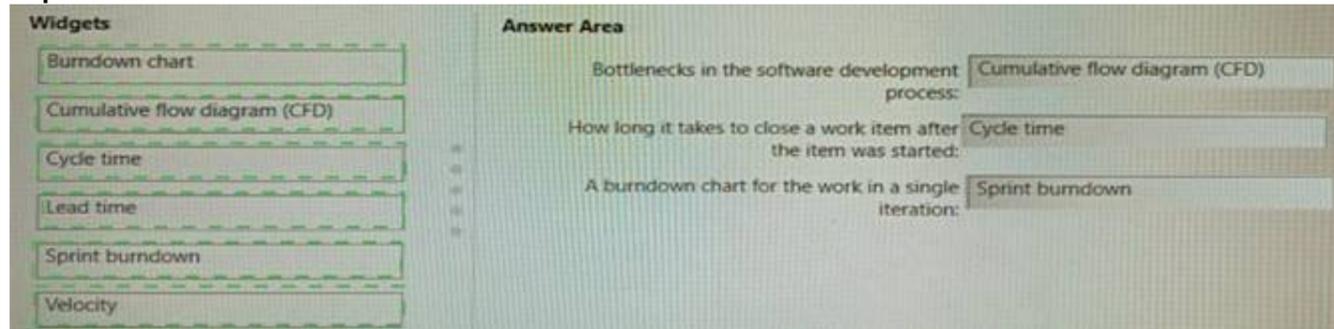
NEW QUESTION 134
- (Topic 4)
You manage an Azure web app that supports an e-commerce website.
You need to increase the logging level when the web app exceeds normal usage patterns. The solution must minimize administrative overhead.
Which two resources should you include in the solution? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

Answer: BC

NEW QUESTION 136
- (Topic 4)
You plan to use Terraform to deploy an Azure resource group.
You need to install the required frameworks to support the planned deployment. Which two frameworks should you install? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

E. Tiller

Answer: BD

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

NEW QUESTION 141
DRAG DROP - (Topic 4)
You are configuring the settings of a new Git repository in Azure Repos.
You need to ensure that pull requests in a branch meet the following criteria before they
are merged:
? Committed code must compile successfully.
? Pull requests must have a Quality Gate status of Passed in SonarCloud.
Which policy type should you configure for each requirement? To answer, drag the appropriate policy types to the correct requirements. Each policy type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Policy Types

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

Committed code must compile successfully:

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: A check-in policy
Administrators of Team Foundation version control can add check-in policy requirements. These check-in policies require the user to take actions when they conduct a check-in to source control.
By default, the following check-in policy types are available:
? Builds Requires that the last build was successful before a check-in.
? Code Analysis Requires that code analysis is run before check-in.
? Work Items Requires that one or more work items be associated with the check-in.
Box 2: Build policy

NEW QUESTION 142
- (Topic 4)
You have a Microsoft ASP.NET Core web app in Azure that is accessed worldwide.
You need to run a URL ping test once every five minutes and create an alert when the web app is unavailable from specific Azure regions. The solution must minimize development time.
What should you do?

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

Answer: A

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

NEW QUESTION 146
- (Topic 4)
You use Azure SQL Database Intelligent Insights and Azure Application Insights for monitoring.
You need to write ad-hoc queries against the monitoring data. Which query language should you use?

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

Answer: A

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

NEW QUESTION 148
- (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 153
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.

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 155
- (Topic 4)
You have an existing build pipeline in Azure Pipelines.
You need to use incremental builds without purging the environment between pipeline executions.
What should you use?

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

Answer: B

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

NEW QUESTION 160
DRAG DROP - (Topic 4)
You are implementing a package management solution for a Node.js application by using Azure Artifacts.
You need to configure the development environment to connect to the package repository. The solution must minimize the likelihood that credentials will be leaked. Which file should you use to configure each connection? To answer, drag the appropriate files to the correct connections. Each file may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content
NOTE: Each correct selection is worth one point.
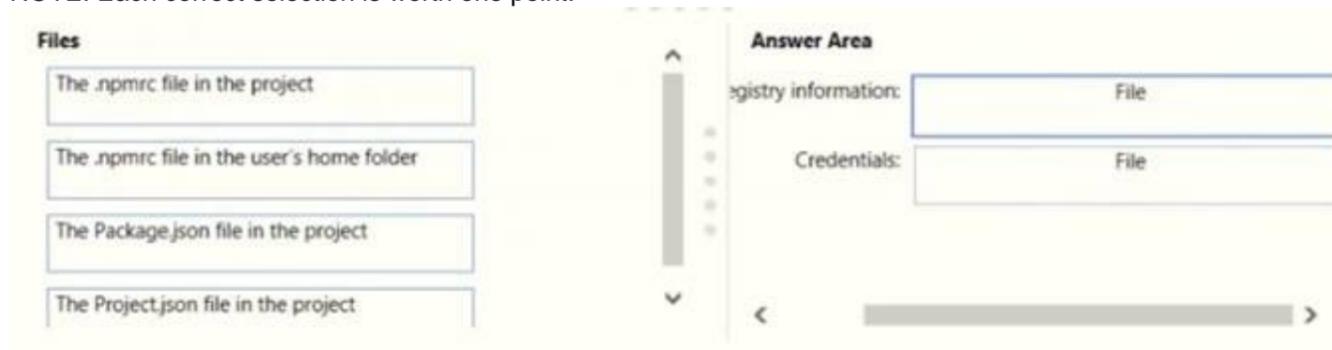
A. Mastered
B. Not Mastered

Answer: A

Explanation:
All Azure Artifacts feeds require authentication, so you'll need to store credentials for the feed before you can install or publish packages. npm uses .npmrc configuration files to store feed URLs and credentials. Azure DevOps Services recommends using two .npmrc files.
Feed registry information: The .npmrc file in the project
One .npmrc should live at the root of your git repo adjacent to your project's package.json. It should contain a "registry" line for your feed and it should not contain credentials since it will be checked into git.
Credentials: The .npmrc file in the user's home folder
On your development machine, you will also have a .npmrc in $home for Linux or Mac systems or $env.HOME for win systems. This .npmrc should contain credentials for all of the registries that you need to connect to. The NPM client will look at your project's .npmrc, discover the registry, and fetch matching credentials from $home/.npmrc or
$env.HOME/.npmrc.
References:
https://docs.microsoft.com/en-us/azure/devops/artifacts/npm/npmrc?view=azure- devops&tabs=windows

NEW QUESTION 161
- (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 165
DRAG DROP - (Topic 4)
You have a large repository named Repo1 that contains a directory named directory 1. You plan to modify files in directory1.
You need to create a clone of Repo1. The solution must minimize the amount of transferred data.

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 split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 169
SIMULATION - (Topic 4)
You need to create an instance of Azure Application Insights named az400-9940427-main and configure the instance to receive telemetry data from an Azure web app named az400- 9940427-main.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: Create an instance of Azure Application Insights
* 1. Open Microsoft Azure Portal
* 2. Log into your Azure account, Select Create a resource > Developer tools > Application Insights.
* 3. Enter the following settings, and then select Review + create. Name: az400-9940427-main
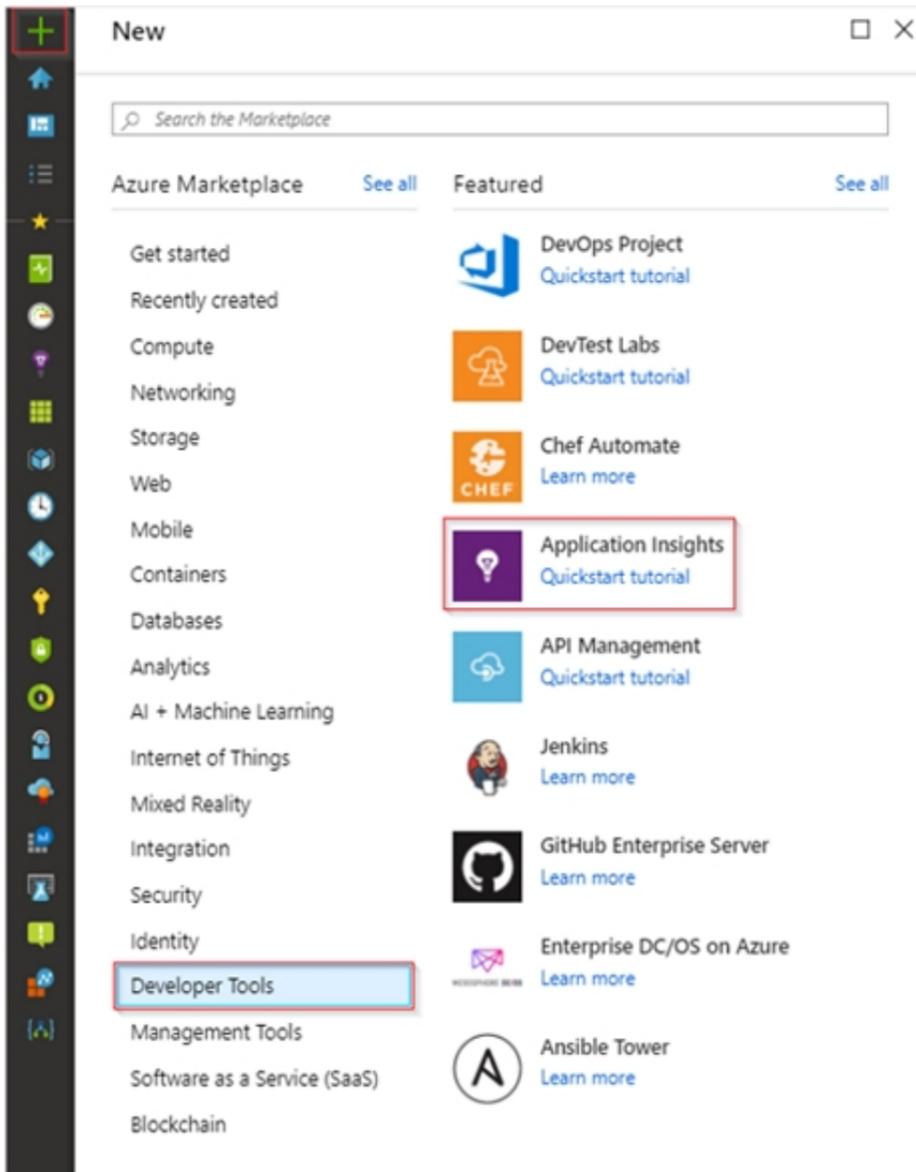
Step 2: Configure App Insights SDK
* 1. Open your ASP.NET Core Web App project in Visual Studio > Right-click on the AppName in the Solution Explorer > Select Add > Application Insights Telemetry.
* 2. Click the Get Started button
* 3. Select your account and subscription > Select the Existing resource you created in the Azure portal > Click Register.
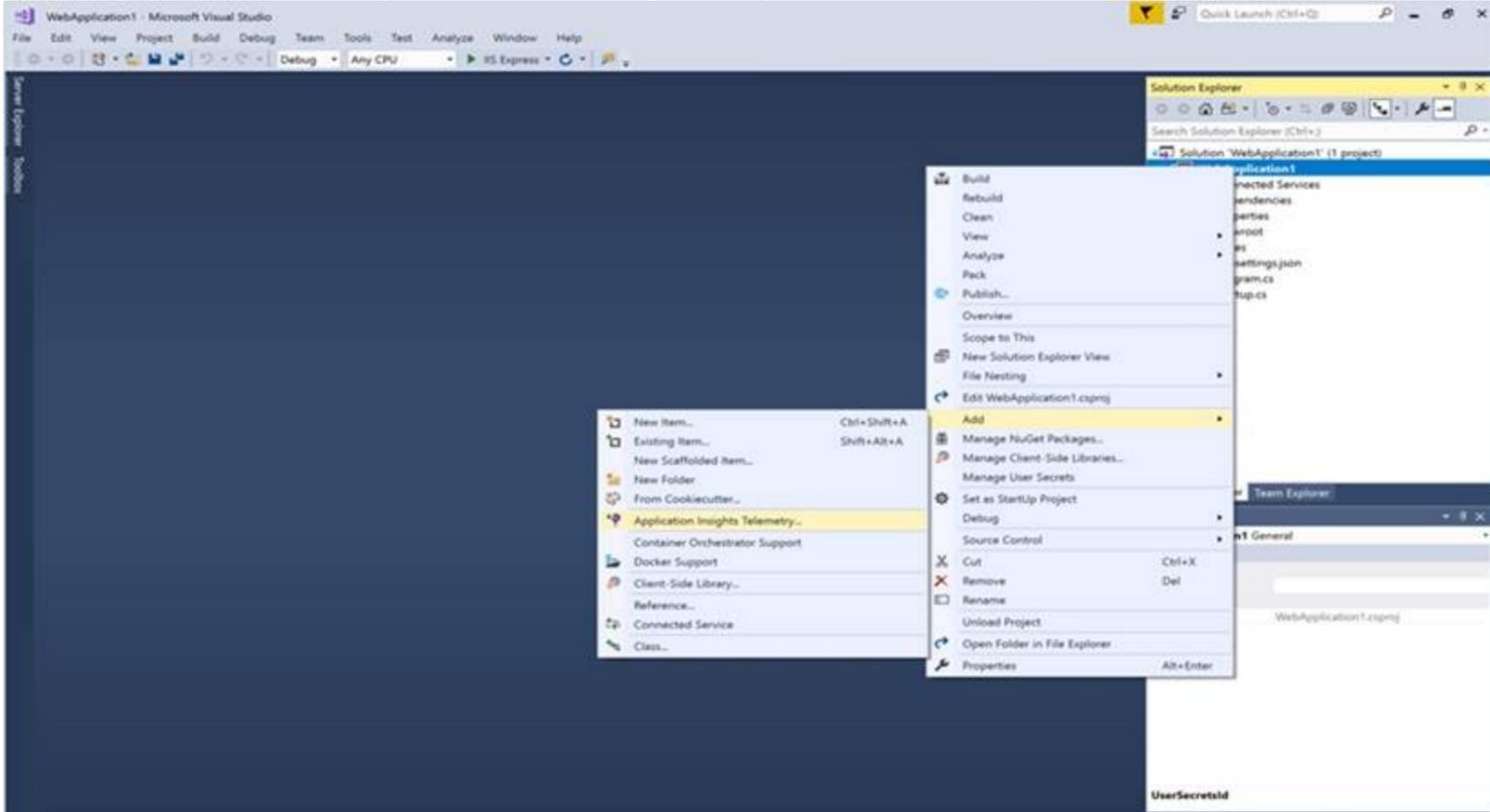
NEW QUESTION 174
- (Topic 4)
Your company uses the following resources:
? Windows Server 2019 container images hosted in an Azure Container Registry
? Azure virtual machines that run the latest version of Ubuntu An Azure
? Log Analytics workspace Azure Active Directory (Azure AD)
? An Azure key vault
For which two resources can you receive vulnerability assessments in Azure Security Center? Each correct answer presents part of the solution.

A. the Azure Log Analytics workspace
B. the Azure key vault

C. the Azure virtual machines that run the latest version of Ubuntu
D. Azure Active Directory (Azure AD)
E. the Windows Server 2019 container images hosted in the Azure Container Registry

Answer: CE

Explanation:

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

NEW QUESTION 178
- (Topic 4)
You have a private GitHub repository.
You need to display the commit status of the repository on Azure Boards. What should you do first?

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

Answer: D

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

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

NEW QUESTION 182
- (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 185
- (Topic 4)
You are creating a dashboard in Azure Boards.
You need to visualize the time from when work starts on a work item until the work item is closed.
Which type of widget should you use?

A. cycle time
B. velocity
C. cumulative flow
D. lead time

Answer: D

NEW QUESTION 189
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 191
- (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 194**
DRAG DROP - (Topic 4)
Your company has two virtual machines that run Linux in a third-party public cloud.
You plan to use the company's Azure Automation State Configuration implementation to manage the two virtual machines and detect configuration drift.
You need to onboard the Linux virtual machines.
You install PowerShell Desired State Configuration (DSC) on the virtual machines, and then run register.py.
Which three actions should you perform next in sequence? To answer, move the actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Install Windows Management Framework 5.1 on the virtual machines.	
From the virtual machines, run `setdsclocalconfigurationmanager.py`.	
Create a DSC metaconfiguration.	
Copy the metaconfiguration to the virtual machines.	
Add the virtual machines as DSC nodes in Azure Automation.	

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: Create a DSC metaconfiguration
Load up the DSC Configuration into Azure Automation.
Step 2: Copy the metaconfiguration to the virtual machines. Linking the Node Configuration to the Linux Host
Step 3: Add the virtual machines as DSC nodes in Azure Automation.
go to DSC Nodes, select your node, and then click Assign node configuration. This step assigns the DSC configuration to the Linux machine.
Next up will be to link the node configuration to the host. Go to the host and press the "Assign node…"-button. Next up you can select your node configuration.

NEW QUESTION 198
- (Topic 4)
You are developing an open source solution that uses a GitHub repository. You create a new public project in Azure DevOps.
You plan to use Azure Pipelines for continuous build. The solution will use the GitHub
Checks API.
Which authentication type should you use?

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

Answer: C

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

NEW QUESTION 202
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.
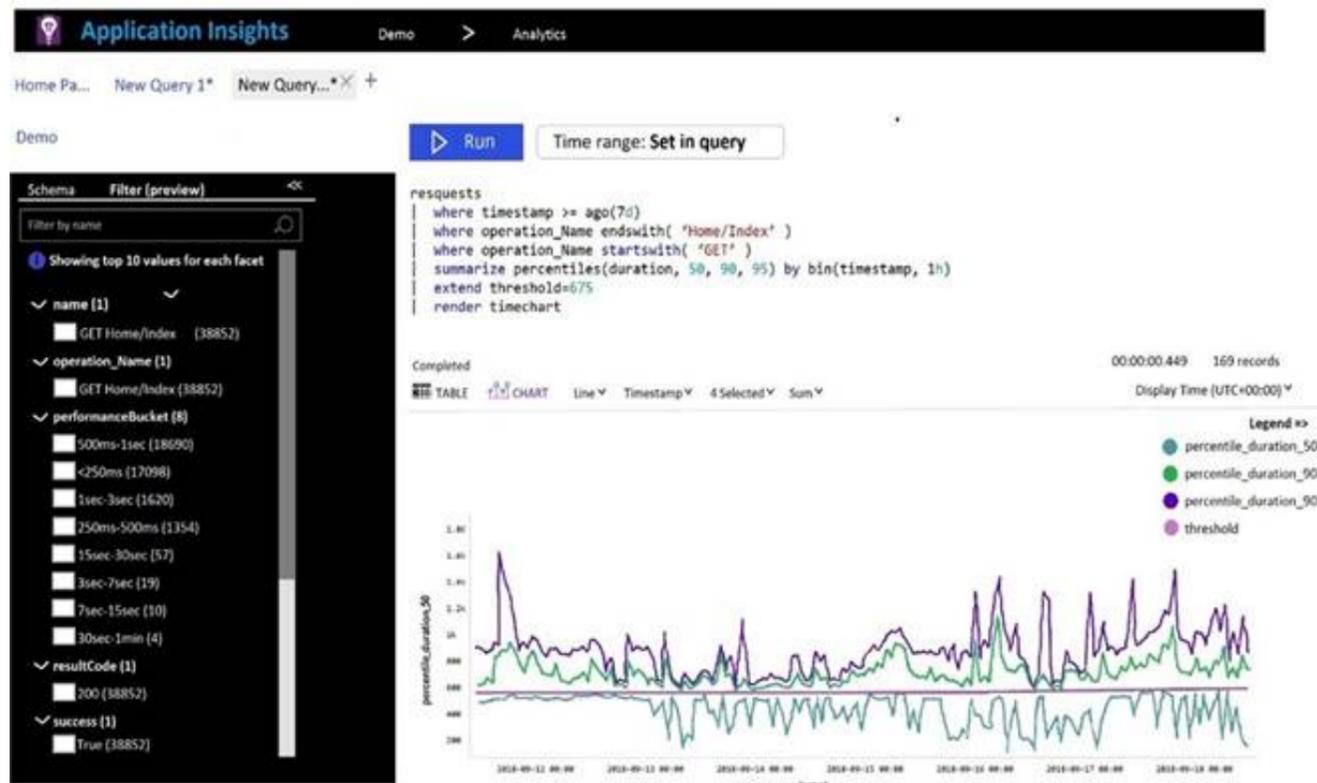
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

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 207
- (Topic 4)
You use GitHub for source control and Azure Boards for project management. GitHub and Azure Boards are integrated.
You plan to create a pull request in GitHub.
You need to automatically link the request to an existing Azure Boards work item by using the text of AB#<WORKITEMNUMBER>.
To which two elements can you add the text? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

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

Answer: CD

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

NEW QUESTION 208
- (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 212
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.
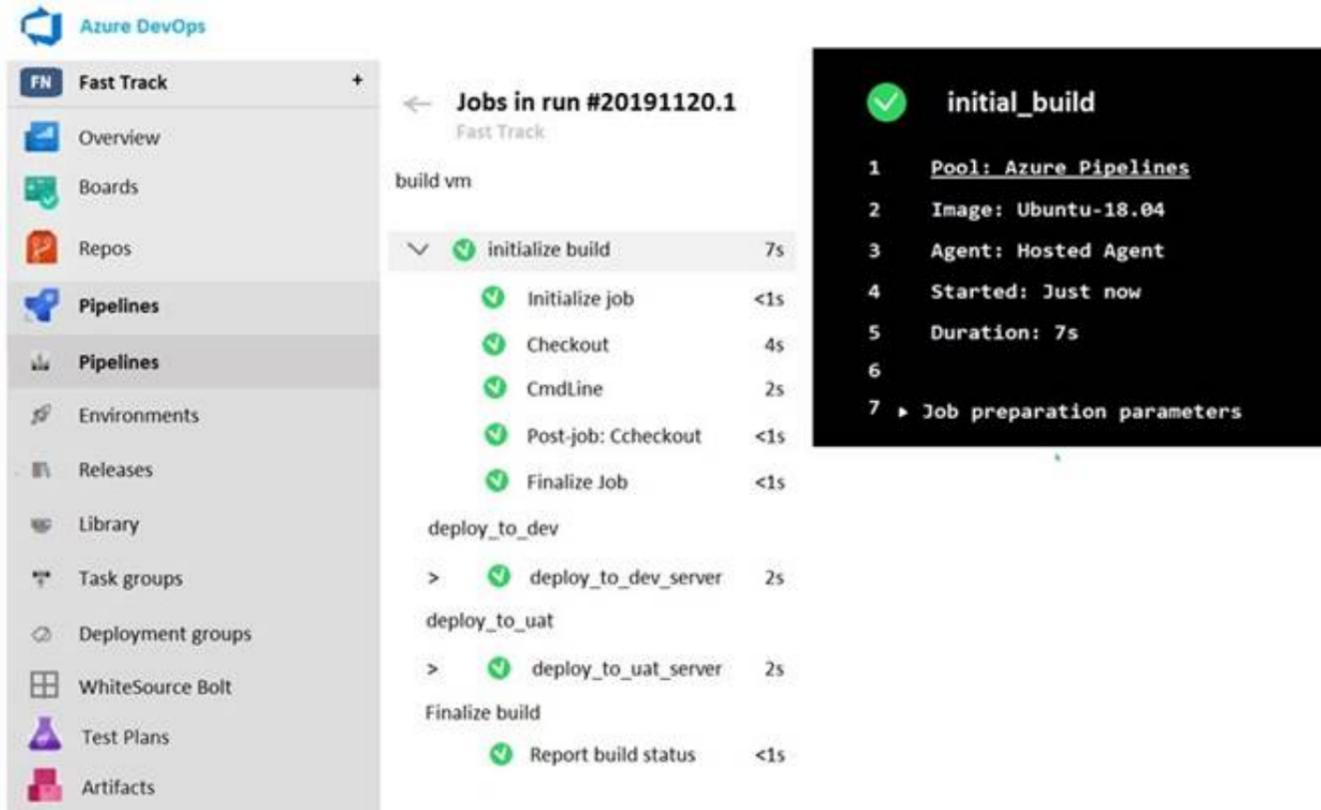
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

The pipeline contains [▼]

one stage
two stages
three stages
four stages
five stages

Build_vm contains [▼]

one job
two jobs
three jobs
four jobs
five jobs

NEW QUESTION 216
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 221
- (Topic 4)
Your company uses cloud-hosted Jenkins for builds.
You need to ensure that Jenkins can retrieve source code from Azure Repos.
Which three actions should you perform? Each correct answer presents part of the solution NOTE: Each correct answer selection is worth one point

A. Add the Team Foundation Server (TFS) plug-in to Jenkins.
B. Create a personal access token m your Azure DevOps account.
C. Create a webhook in Jenkins.
D. Add a domain to your Jenkins account.
E. Create a service hook m Azure DevOps.

Answer: ABE

Explanation:
References:
https://blogs.msdn.microsoft.com/devops/2017/04/25/vsts-visual-studio-team-services-integration-with-jenkins/
http://www.aisoftwarellc.com/blog/post/how-to-setup-automated-builds-using-jenkins-and-visual-studio-team-foundation-server/2044

NEW QUESTION 224
HOTSPOT - (Topic 4)
You are finalizing a release in GitHub.
You need to apply the following labels to the release:
? Name
? Email
? Release v3.0
? Release date
How should you complete the get command? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

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

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 226
- (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 229
- (Topic 4)
You have several Azure Active Directory (Azure AD) accounts.
You need to ensure that users use multi-factor authentication (MFA) to access Azure apps from untrusted networks.
What should you configure in Azure AD?

A. access reviews
B. managed identities
C. entitlement management
D. conditional access

Answer: D

Explanation:
You can configure a Conditional Access policy that requires MFA for access from untrusted networks.
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/howto-conditional-access-policy-all-users-mfa

NEW QUESTION 234
DRAG DROP - (Topic 4)
Your company has four projects. The version control requirements for each project are shown in the following table.

Project	Requirement
Project 1	Project leads must be able to restrict access to individual files and folders in the repository.
Project 2	The version control system must enforce the following rules before merging any changes to the main branch: • Changes must be reviewed by at least two project members. • Changes must be associated to at least one work team.
Project 3	The project members must be able to work in Azure Repos directly from Xcode.
Project 4	The release branch must only be viewable or editable by the project leads.

You plan to use Azure Repos for all the projects.
Which version control system should you use for each project? To answer, drag the appropriate version control systems to the correct projects. Each version control system may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Version Control Systems

| Git |
| Perforce |
| Subversion |
| Team Foundation Version Control |

Answer Area

Project 1: [   ]
Project 2: [   ]
Project 3: [   ]
Project 4: [   ]

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 236
DRAG DROP - (Topic 4)
Your company wants to use Azure Application Insights to understand how user behaviors affect an application.
Which Application Insights tool should you use to analyze each behavior? To answer, drag the appropriate tools to the correct behaviors. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

| Impact |
| User Flows |
| Users |

Feature usage: [   ]

Number of people who used the actions and its features: [   ]

The effect that the performance of the application has on the usage of a page or a feature: [   ]

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: User Flows
The User Flows tool visualizes how users navigate between the pages and features of your site. It's great for answering questions like:
How do users navigate away from a page on your site? What do users click on a page on your site?
Where are the places that users churn most from your site?
Are there places where users repeat the same action over and over? Box 2: Users

Counting Users: The user behavior analytics tools don't currently support counting users or sessions based on properties other than anonymous user ID, authenticated user ID, or session ID.
Box 3: Impact
Impact analyzes how load times and other properties influence conversion rates for various parts of your app. To put it more precisely, it discovers how any dimension of a page view, custom event, or request affects the usage of a different page view or custom event.

NEW QUESTION 241
- (Topic 4)
You are designing the development process for your company.
You need to recommend a solution for continuous inspection of the company's code base to locate common code patterns that are known to be problematic.
What should you include in the recommendation?

A. Microsoft Visual Studio test plans
B. Gradle wrapper scripts
C. SonarCloud analysis
D. the JavaScript task runner

Answer: C

Explanation:
SonarCloud is a cloud service offered by SonarSource and based on SonarQube.
SonarQube is a widely
adopted open source platform to inspect continuously the quality of source code and detect bugs,
vulnerabilities and code smells in more than 20 different languages.
Note: The SonarCloud Azure DevOps extension brings everything you need to have your projects analyzed on SonarCloud very quickly.

NEW QUESTION 244
DRAG DROP - (Topic 4)
You use GitHub Enterprise Server as a source code repository. You create an Azure DevOps organization named Contoso.
In the Contoso organization, you create a project named Project 1.
You need to link GitHub commits, pull requests, and issues to the work items of Project 1. The solution must use OAuth-based authentication
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: From Developer settings in GitHub Enterprise Server, register a new OAuth app. If you plan to use OAuth to connect Azure DevOps Services or Azure DevOps Server with your GitHub Enterprise Server, you first need to register the application as an OAuth App
Step 2: Organization settings in Azure DevOps, add an OAuth configuration Register your OAuth configuration in Azure DevOps Services.
Note:
? Sign into the web portal for Azure DevOps Services.
? Add the GitHub Enterprise Oauth configuration to your organization.
? Open Organization settings>Oauth configurations, and choose Add Oauth configuration.
? Fill in the form that appears, and then choose Create.
Step 3: From Project Settings in Azure DevOps, add a GitHub connection. Connect Azure DevOps Services to GitHub Enterprise Server
Choose the Azure DevOps logo to open Projects, and then choose the Azure Boards project you want to configure to connect to your GitHub Enterprise repositories.
Choose (1) Project Settings, choose (2) GitHub connections and then (3) Click here to connect to your GitHub Enterprise organization.

NEW QUESTION 245
- (Topic 4)
Note: This question is part of * series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sett might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an approval process that contains a condition. The condition requires that releases be approved by a team leader before they are deployed.
You have a poky stating that approvals must occur within eighthour.
You discover that deployments fail if the approvals take longer than two hours.
You need to ensure that the deployments only fail if the approvals take longer than eight
hours.
Solution: From Post-deployment conditions, you modify the Time between re-evaluation of gates option.
Does this meet the goal?

A. Yes

B. No

Answer: B

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

NEW QUESTION 250
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:

NEW QUESTION 253
- (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 255
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	https://dev.azure.com/contoso/contoso-app
signin	https://dev.azure.com/contoso/contoso-app/core-api
subscribe	https://dev.azure.com/contoso/contoso-app/core-db
subscriptions	https://dev.azure.com/contoso/contoso-app/core-spa

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: subscribe
To start monitoring all 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 259
HOTSPOT - (Topic 4)
Your company has an Azure subscription.
The company requires that all resource group in the subscription have a tag named organization set to a value of Contoso.
You need to implement a policy to meet the tagging requirement.
How should you complete the policy? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

```
{
  "policyRule": {
    "if": {
      "allOf": [
        {
          "field": "type",
          "equals":
          ▼
          [ "MicrosoftResources/deployments"
            "MicrosoftResources/subscriptions"
            "MicrosoftResources/subscriptions/resourceGroups" ]
          {
          "not": {
            "field": "tags['organization']",
            "equals": "Contoso"
          }
        }
      ]
    },
    "then": {
      "effect":
      ▼
      [ "Append",
        "Deny",
        "DeployIfNotExists", ]
      "details": [
        {
          "field": "tags['organization']",
          "value": "Contoso"
        }
      ]
    }
  }
}
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: " Microsoft.Resources/subscriptions/resourceGroups"

Box 2: "Deny",
Sample - Enforce tag and its value on resource groups
},
"policyRule": { "if": {
"allOf": [
{
"field": "type",
"equals": "Microsoft.Resources/subscriptions/resourceGroups"
},
{
"not": {
"field": "[concat('tags[',parameters('tagName'), ']')]", "equals": "[parameters('tagValue')]"
}
}
]
},
"then": {
"effect": "deny"
}
}
}
}
References:
https://docs.microsoft.com/en-us/azure/governance/policy/samples/enforce-tag-on- resource-groups

NEW QUESTION 260
- (Topic 4)
Your company creates a new Azure DevOps team. D18912E1457D5D1DDCBD40AB3BF70D5D
You plan to use Azure DevOps for sprint planning.
You need to visualize the flow of your work by using an agile methodology. Which Azure DevOps component should you use?

A. Kanban boards
B. sprint planning
C. delivery plans
D. portfolio backlogs

Answer: A

Explanation:
Customizing Kanban boards
To maximize a team's ability to consistently deliver high quality software, Kanban emphasize two main practices. The first, visualize the flow of work, requires you to map your team's workflow stages and configure your Kanban board to match. Your Kanban board turns your backlog into an interactive signboard, providing a visual flow of work.
Reference: https://azuredevopslabs.com/labs/azuredevops/agile/

NEW QUESTION 265
- (Topic 4)
Your company creates a web application.
You need to recommend a solution that automatically sends to Microsoft Teams a dairy summary of the exceptions that occur m the application.
Which two Azure services should you recommend? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

Answer: CE

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

NEW QUESTION 266
- (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 268
DRAG DROP - (Topic 4)
You have web app named App1 that uses Application Insights in Azure Monitor to Store log data. App1 has users in multiple locations.
You need to query App1 requests from London and Paris that return error. The solution must meet the following requirements:
? Return the timestamp, url, result Code, and duration fields.
? Only requests made the last hour. How shout you complete the query?

Values	Answer Area
extend	...
project	requests
select	| where [ ]
timestamp >= ago(1hr)	| where resultCode == "404" and (client_City == "London" or client_City == "Paris")
timestamp -gt ago(1hr)	| [ ] timestamp, url, resultCode, duration
	...

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Values	Answer Area
extend	...
project	requests
select	| where [i | timestamp -gt ago(1hr) |]
timestamp >= ago(1hr)	| where resultCode == "404" and (client_City == "London" or client_City == "Paris")
timestamp -gt ago(1hr)	| [select] timestamp, url, resultCode, duration
	...

NEW QUESTION 273
- (Topic 4)
You have an Azure DevOps organization named Contoso and an Azure DevOps project named Project1.
You plan to use Microsoft-hosted agents to build container images that will host full Microsoft .NET Framework apps in a YAML pipeline in Project1.
What are two possible virtual machine images that you can use for the Microsoft-hosted agent pool? Each
correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

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

Answer: AE

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

NEW QUESTION 274
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.
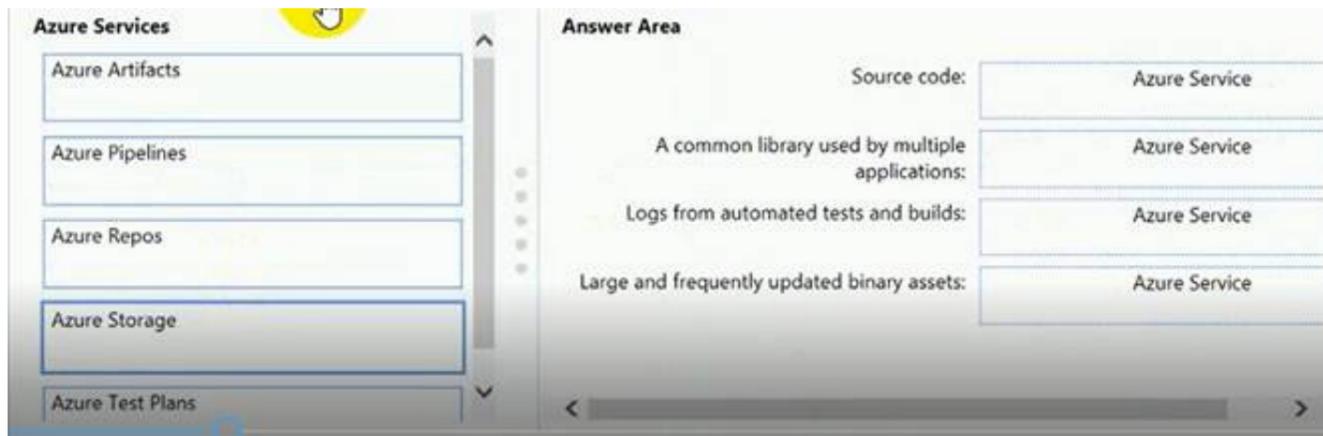
A. Mastered
B. Not Mastered

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 277
HOTSPOT - (Topic 4)
Your company is creating a suite of three mobile applications.
You need to control access to the application builds. The solution must be managed at the organization level
What should you use? To answer, select the appropriate options m the answer area. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Microsoft Visual Studio App Center distribution Groups
Distribution Groups are used to control access to releases. A Distribution Group represents a set of users that can be managed jointly and can have common access to releases. Example of Distribution Groups can be teams of users, like the QA Team or External Beta Testers or can represent stages or rings of releases, such as Staging.
Box 2: Shared
Shared distribution groups are private or public distribution groups that are shared across multiple apps in a single organization. Shared distribution groups eliminate the need to replicate distribution groups across multiple apps.
Note: With the Deploy with App Center Task in Visual Studio Team Services, you can deploy your apps from Azure DevOps (formerly known as VSTS) to App Center. By deploying to App Center, you will be able to distribute your builds to your users.
References: https://docs.microsoft.com/en-us/appcenter/distribution/groups

NEW QUESTION 280
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.
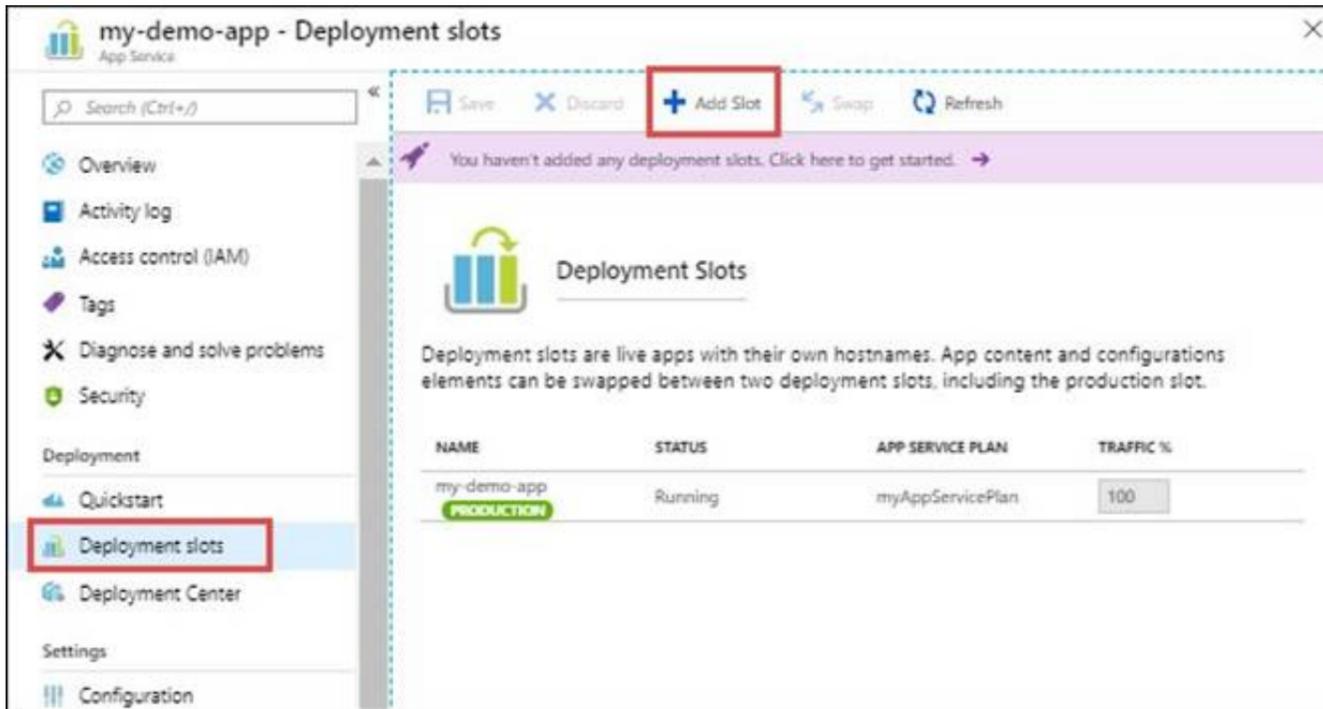
* 3. In the Add a slot dialog box, give the slot a name, and select whether to clone an app configuration from another deployment slot. Select Add to continue.
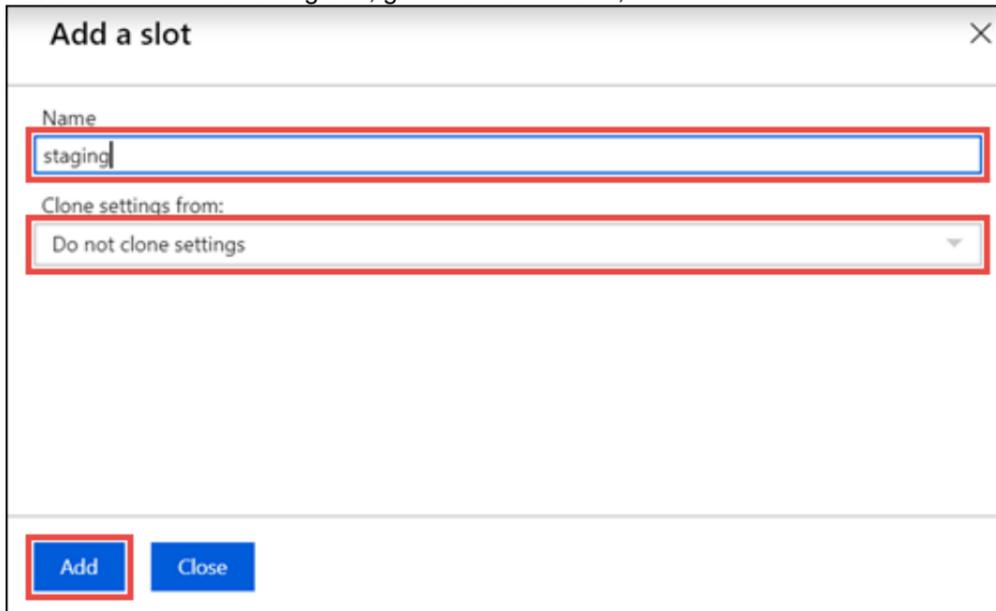
* 4. After the slot is added, select Close to close the dialog box. The new slot is now shown on the Deployment slots page. By default, Traffic % is set to 0 for the new slot, with all customer traffic routed to the production slot.
* 5. Select the new deployment slot to open that slot's resource page.
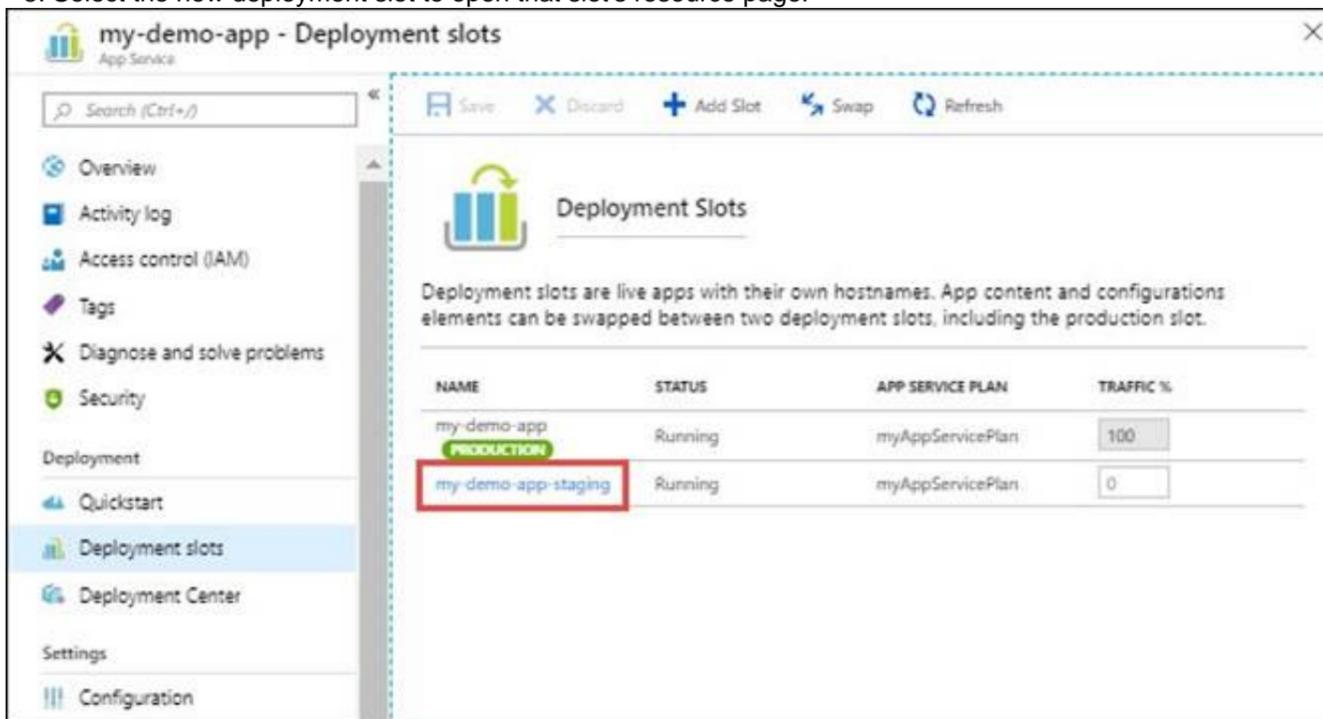
* 6. Change TRAFFIC % to 10 References:
https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots

NEW QUESTION 281
- (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 286
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:

NEW QUESTION 287
- (Topic 3)
You need !0 the merge the POC branch into the default branch. The solution must meet the technical requirements. Which command should you run?

A. it push
B. git merge -- allow-unrelated-histories
C. git rebase
D. git merge --squash

Answer: C

NEW QUESTION 290
DRAG DROP - (Topic 3)
You need to configure authentication for App1. The solution must support the planned changes.
Which three actions should you perform in sequence? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Woodgrove Bank plans to implement the following changes to the identity environment:
? Configure App1 to use a service principal.

NEW QUESTION 295
- (Topic 3)
You plan to deploy a new database environment. The solution must meet the technical requirements. You need to prepare the database for the deployment. How should you format the export?

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

Answer: D

NEW QUESTION 296
- (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 297
DRAG DROP - (Topic 2)
You need to recommend a procedure to implement the build agent for Project1.
Which three actions should you recommend be performed 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
Sign in to Azure DevOps by using an account that is assigned the Administrator service connection security role.	
Install the Azure Pipelines agent on on-premises virtual machine.	
Create a personal access token in the Azure DevOps organization of Contoso.	
Install and register the Azure Pipelines agent on an Azure virtual machine.	
Sign in to Azure DevOps by using an account that is assigned the agent pool administrator role.	

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Scenario:

Project 1	Project1 will provide support for incremental builds and third-party SDK components

Step 1: Sign in to Azure Develops by using an account that is assigned the Administrator service connection security role.
Note: Under Agent Phase, click Deploy Service Fabric Application. Click Docker Settings and then click Configure Docker settings. In Registry Credentials Source,

select Azure Resource Manager Service Connection. Then select your Azure subscription.
Step 2: Create a personal access token..
A personal access token or PAT is required so that a machine can join the pool created with the Agent Pools (read, manage) scope.
Step 3: Install and register the Azure Pipelines agent on an Azure virtual machine.
By running a Azure Pipeline agent in the cluster, we make it possible to test any service, regardless of type.
References:
https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-tutorial-deploy-container-app-with-cicd-vsts
https://mohitgoyal.co/2019/01/10/run-azure-devops-private-agents-in-kubernetes-clusters/

NEW QUESTION 302
- (Topic 2)
You need to implement Project4. What should you do first?

A. Add the FROM instruction in the Dockerfile file.
B. Add a Copy and Publish Build Artifacts task to the build pipeline.
C. Add a Docker task to the build pipeline.
D. Add the MAINTAINER instruction in the Dockerfile file.

Answer: C

Explanation:
Scenario: Implement Project4 and configure the project to push Docker images to Azure Container Registry.

Project 4	Project4 will provide support for a build pipeline that creates a Docker image and pushes the image to the Azure Container Registry. Project4 will use an existing Dockerfile.

You use Azure Container Registry Tasks commands to quickly build, push, and run a Docker container image natively within Azure, showing how to offload your "inner-loop" development cycle to the cloud. ACR Tasks is a suite of features within Azure Container Registry to help you manage and modify container images across the container lifecycle.
References:
https://docs.microsoft.com/en-us/azure/container-registry/container-registry-quickstart-task- cli

NEW QUESTION 306
HOTSPOT - (Topic 1)
HOTSPOT
You are using PowerShell to administer Azure Log Analytics workspaces. You need to list the available workspaces and their properties.
How should you complete the command? To answer, select the appropriate options in the
answer area.
NOTE: Each correct selection is worth one point.

Get-AzResource	-ResourceGroupName	Microsoft.OperationalInsights/workspaces - ExpandProperties
Get-AzResourceGroup	-ResourceId	
Get-AzResourceProvider	-ResourceType	

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Get-AzResource
Use the following command to examine the access control mode for all workspaces in the subscription:
PowerShell
Get-Az Resource –Resource Type Microsoft. Operational Insights/workspaces –Expand Properties | for each {s.Name + ": " +
$_.Properties.features.enableLogAccessUsingOnlyResourcePermissions Box 2: -Resource Type

NEW QUESTION 309
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,	MSAnalytics.self]
[MSDistribute.self,	MSCrashes.self]
[MSPush.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 310
- (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 312
HOTSPOT - (Topic 1)
How should you configure the release retention policy for the investment planning applications suite? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Global release:
- Set the default retention policy to 30 days.
- Set the maximum retention policy to 30 days.
- Set the stage retention policy to 30 days.
- Set the stage retention policy to 60 days.

Production stage:
- Set the default retention policy to 30 days.
- Set the maximum retention policy to 60 days.
- Set the stage retention policy to 30 days.
- Set the stage retention policy to 60 days.
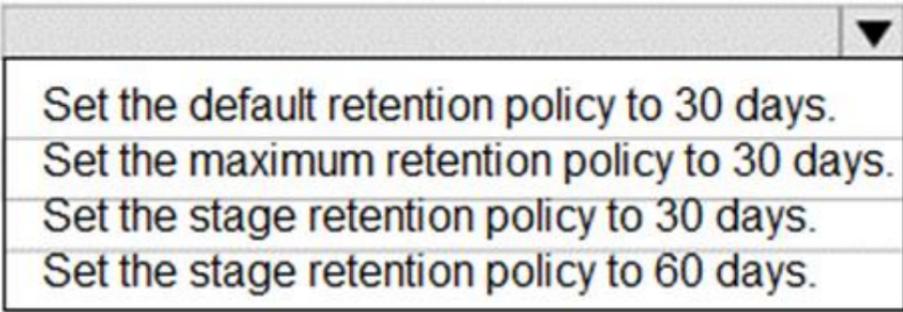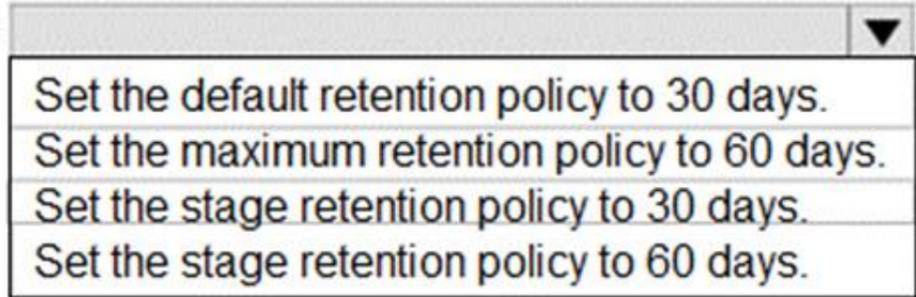
A. Mastered
B. Not Mastered

Answer: A

Explanation:
Scenario: By default, all releases must remain available for 30 days, except for production releases, which must be kept for 60 days.
Box 1: Set the default retention policy to 30 days
The Global default retention policy sets the default retention values for all the build pipelines. Authors of build pipelines can override these values.
Box 2: Set the stage retention policy to 60 days
You may want to retain more releases that have been deployed to specific stages. References: https://docs.microsoft.com/en-us/azure/devops/pipelines/policies/retention

NEW QUESTION 317
- (Topic 1)
You have a project in Azure DevOps.
You plan to deploy a self-hosted agent by using an unattended configuration script. Which two values should you define in the configuration script? Each correct answer
presents part of the solution.
NOTE: Each correct selection is worth one point.

A. authorization credentials
B. the project name
C. the deployment group name
D. the organization URL

E. the agent pool name

Answer: CE

Explanation:
 Unattended config:
The agent can be set up from a script with no human intervention. You must pass -- unattended and the answers to all questions.
To configure an agent, it must know the URL to your organization or collection and credentials of someone authorized to set up agents. All other responses are optional. Reference:
https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/v2-windows

NEW QUESTION 319
DRAG DROP - (Topic 1)
Which package feed access levels should be assigned to the Developers and Team Leaders groups for the investment planning applications suite? To answer, drag the appropriate access levels to the correct groups. Each access level 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.

Access Levels

| Collaborator |
| Contributor |
| Owner |
| Reader |

Answer Area

Developers: [   ]

Team Leaders: [   ]

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Reader
Members of a group named Developers must be able to install packages.
Feeds have four levels of access: Owners, Contributors, Collaborators, and Readers. Owners can add any type of identity-individuals, teams, and groups-to any access level.
Box 2: Owner
Members of a group named Team Leaders must be able to create new packages and edit the permissions of package feeds.

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

NEW QUESTION 321
- (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 326
- (Topic 4)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Your company uses Azure DevOps to manage the build and release processes for applications.
You use a Git repository for applications source control.
You need to implement a pull request strategy that reduces the history volume in the master branch.
Solution: You implement a pull request strategy that uses an explicit merge. Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 327
- (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 329
- (Topic 4)
You have an Azure DevOps organization named Contoso that contains a project named Project 1.
You provision an Azure key vault name Keyvault1.
You need to reference Keyvault1 secrets in a build pipeline of Project1. What should you do first?

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

Answer: C

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

NEW QUESTION 332
- (Topic 4)
Your company uses GitHub for source control. The company has a team that performs code reviews.
You need to automate the assignment of the code reviews. The solution must meet the following requirements:
Prioritize the assignment of code reviews to team members who have the fewest outstanding assignments.
Ensure that each team member performs an equal number of code reviews in any 30-day period.
Prevent the assignment of code reviews to the team leader.
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Clear Never assign certain team members.
B. Select If assigning team members, don't notify the entire team.
C. Select Never assign certain team members.
D. Set Routing algorithm to Round robin.
E. Set Routing algorithm to Load balance.

Answer: AE

Explanation:
A: To always skip certain members of the team, select Never assign certain team members. Then, select one or more team members you'd like to always skip. In this case select the team leader.
E: The load balance algorithm chooses reviewers based on each member's total number of recent review requests and considers the number of outstanding reviews for each member. The load balance algorithm tries to ensure that each team member reviews an equal number of pull requests in any 30day period.
Reference:
https://docs.github.com/en/organizations/organizing-members-into-teams/managing-code-review-assignment-for-your-team

NEW QUESTION 333
SIMULATION - (Topic 4)
You plan to deploy a runbook that will create Azure AD user accounts.
You need to ensure that runbooks can run the Azure PowerShell cmdlets for Azure Active Directory.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Azure Automation now ships with the Azure PowerShell module of version 0.8.6, which introduced the ability to non-interactively authenticate to Azure using OrgId (Azure Active Directory user) credential-based authentication. Using the steps below, you can set up Azure Automation to talk to Azure using this authentication type.
Step 1: Find the Azure Active Directory associated with the Azure subscription to manage:
* 1. Log in to the Azure portal as the service administrator for the Azure subscription you want to manage using Azure Automation. You can find this user by logging in to the Azure portal as any user with access to this Azure subscription, then clicking Settings, then Administrators.

* 2. Note the name of the directory associated with the Azure subscription you want to manage. You can find this directory by clicking Settings, then Subscriptions.
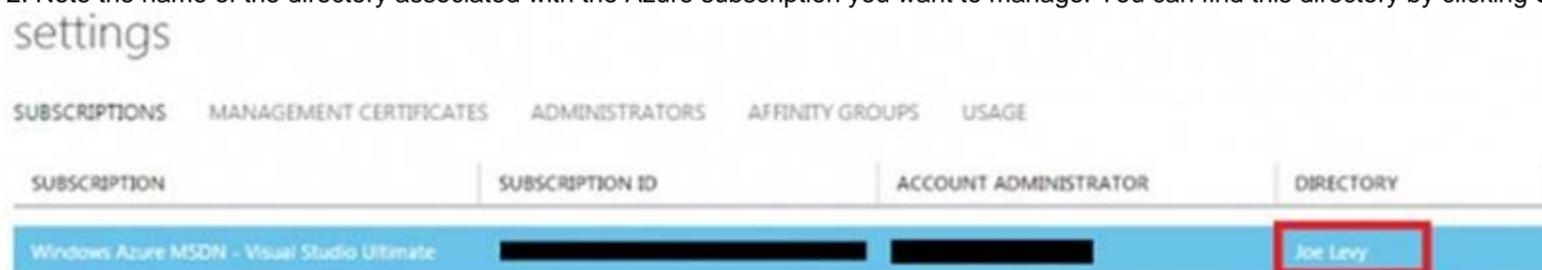
Step 2: Create an Azure Active Directory user in the directory associated with the Azure subscription to manage:
You can skip this step if you already have an Azure Active Directory user in this directory. and plan to use this OrgId to manage Azure.
* 1. In the Azure portal click on Active Directory service.

* 2. Click the directory name that is associated with this Azure subscription.
* 3. Click on the Users tab and then click the Add User button.
* 4. For type of user, select "New user in your organization." Enter a username for the user to create.
* 5. Fill out the user's profile. For role, pick "User." Don't enable multi-factor authentication. Multi-factor accounts cannot be used with Azure Automation.
* 6. Click Create.
* 7. Jot down the full username (including part after @ symbol) and temporary password.
Step 3: Allow this Azure Active Directory user to manage this Azure subscription.
* 1. Click on Settings (bottom Azure tab under StorSimple)

* 2. Click Administrators
* 3. Click the Add button. Type the full user name (including part after @ symbol) of the Azure Active Directory user you want to set up to manage Azure. For subscriptions, choose the Azure subscriptions you want this user to be able to manage. Click the check mark.

Step 4: Configure Azure Automation to use this Azure Active Directory user to manage this Azure subscription

Create an Azure Automation credential asset containing the username and password of the Azure Active Directory user that you have just created. You can create a credential asset in Azure Automation by clicking into an Automation Account and then clicking the Assets tab, then the Add Setting button.
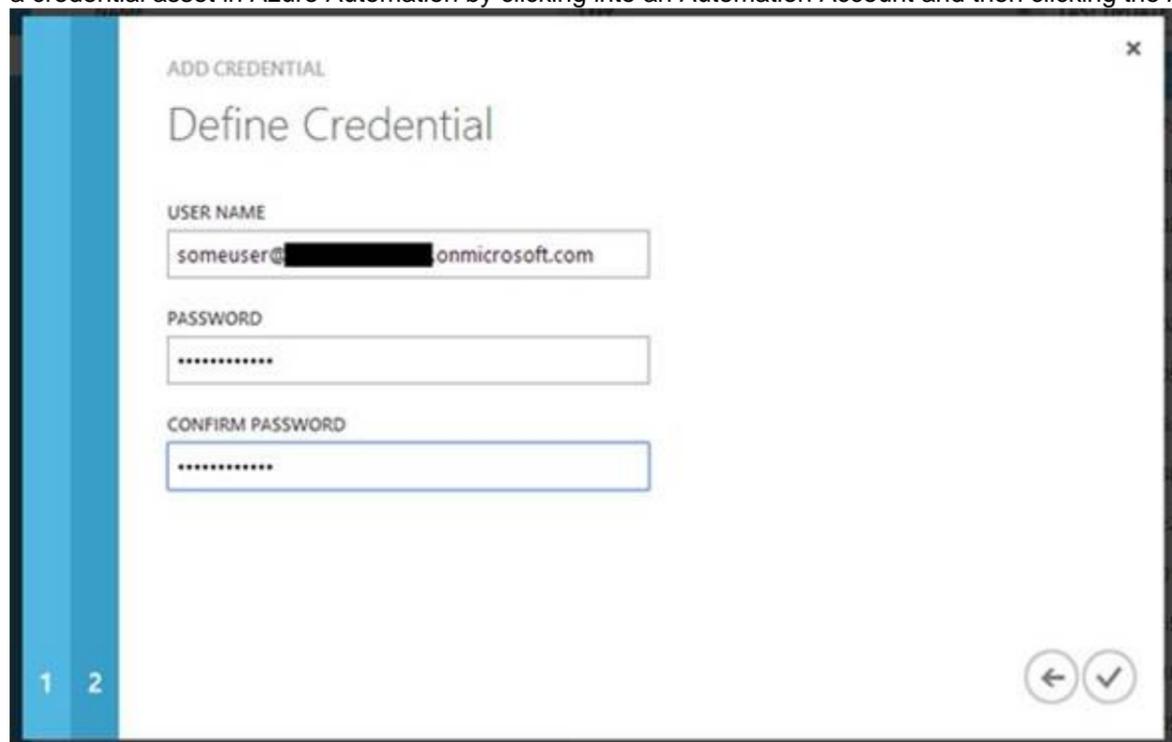
Note: Once you have set up the Azure Active Directory credential in Azure and Azure Automation, you can now manage Azure from Azure Automation runbooks using this credential.

References:

https://azure.microsoft.com/sv-se/blog/azure-automation-authenticating-to-azure-using-azure-active-directory/

NEW QUESTION 336
HOTSPOT - (Topic 4)
You are designing YAML-based Azure pipelines for the apps shown in the following table.

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

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

App1:
- canary
- rolling
- runonce

App2:
- canary
- rolling
- runonce

A. Mastered
B. Not Mastered

Answer: A

Explanation:
App1: rolling
A rolling deployment replaces instances of the previous version of an application with instances of the new version of the application on a fixed set of virtual machines (rolling set) in each iteration.
App2: canary
Canary deployment strategy is an advanced deployment strategy that helps mitigate the risk involved in rolling out new versions of applications. By using this strategy, you can roll out the changes to a small subset of servers first. As you gain more confidence in the new version, you can release it to more servers in your infrastructure and route more traffic to it.

NEW QUESTION 340
- (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 application must meet the following requirements:
• Provide the ability to isolate the members of efferent project teams into separate communication channels and to keep a history of the chats within those channels.
• Be available on Windows 10, Mac OS, iOS, and Android operating systems.
• Provide the ability to add external contractors and suppliers to projects.
• Integrate directly with Azure DevOps. What should you recommend?

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

Answer: D

Explanation:
Slack is a popular team collaboration service that helps teams be more productive by keeping all communications in one place and easily searchable from virtually anywhere. All your messages, your files, and everything from Twitter, Dropbox, Google Docs, Azure DevOps, and more all together. Slack also has fully native apps for iOS and Android to give you the full functionality of Slack wherever you go.
Integrated with Azure DevOps
This integration keeps your team informed of activity happening in its Azure DevOps projects. With this integration, code check-ins, pull requests, work item updates, and build events show up directly in your team's Slack channel.
Note: Microsoft Teams would also be a correct answer, but it is not an option here. References:
https://marketplace.visualstudio.com/items?itemName=ms-vsts.vss-services-slack

NEW QUESTION 345
- (Topic 4)
You are designing an Azure DevOps strategy for your company's development team. You suspect that the team's productivity is low due to accumulate technical debt. You need to recommend a metric to assess the amount of the team's technical debt. What should you recommend?

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

Answer: D

NEW QUESTION 348
- (Topic 4)
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You use Azure Pipelines to build and test a React js application. You have a pipeline that has a single job.
You discover thai installing JavaScript packages from npm takes approximately five minutes each time you run the pipeline.
You need to recommend a solution to reduce the pipeline execution time.
Solution: You recommend defining a container job that uses a custom container that has the JavaScript packages preinstalled.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead enable pipeline caching.
Note:
npm-cache is a command line utility that caches dependencies installed via npm, bower, jspm and composer.
It is useful for build processes that run [npm|bower|composer|jspm] install every time as part of their build process. Since dependencies don't change often, this often means slower build times. npm-cache helps alleviate this problem by caching previously installed dependencies on the build machine.
Reference: https://www.npmjs.com/package/npm-cache

NEW QUESTION 351
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