Microsoft

Exam Questions AZ-400

Microsoft Azure DevOps Solutions (beta)

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

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 2
- (Exam Topic 1)
Which branching strategy should you recommend for the investment planning applications suite?

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

Answer: C

Explanation:
Scenario: A branching strategy that supports developing new functionality in isolation must be used. Feature isolation is a special derivation of the development isolation, allowing you to branch one or more feature branches from main, as shown, or from your dev branches.

When you need to work on a particular feature, it might be a good idea to create a feature branch.

NEW QUESTION 3
- (Exam Topic 1)
You need to configure a cloud service to store the secrets required by the mobile applications to call the share. What should you include in the solution? To answer, select the appropriate options m the answer ate», NOTE:
Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Every request made against a storage service must be authorized, unless the request is for a blob or container resource that has been made available for public or signed access. One option for authorizing a request is by using Shared Key.
Scenario: The mobile applications must be able to call the share pricing service of the existing retirement fund management system. Until the system is upgraded, the service will only support basic authentication over HTTPS.
The investment planning applications suite will include one multi-tier web application and two iOS mobile application. One mobile application will be used by employees; the other will be used by customers.
References: https://docs.microsoft.com/en-us/rest/api/storageservices/authorize-with-shared-key

NEW QUESTION 4
- (Exam Topic 1)
To resolve the current technical issue, what should you do to the Register-AzureRmAutomationDscNode command?

A. Change the value of the ConfigurationMode parameter.
B. Replace the Register-AzureRmAutomationDscNode cmdlet with Register-AzureRmAutomationScheduledRunbook
C. Add the AllowModuleOverwrite parameter.
D. Add the DefaultProfile parameter.

Answer: A

Explanation:
Change the ConfigurationMode parameter from ApplyOnly to ApplyAndAutocorrect.
The Register-AzureRmAutomationDscNode cmdlet registers an Azure virtual machine as an APS Desired State Configuration (DSC) node in an Azure Automation account.
Scenario: Current Technical Issue
The test servers are configured correctly when first deployed, but they experience configuration drift over time. Azure Automation State Configuration fails to correct the configurations.
Azure Automation State Configuration nodes are registered by using the following command.

References:
https://docs.microsoft.com/en-us/powershell/module/azurerm.automation/register-azurermautomationdscnode?v

NEW QUESTION 5
- (Exam Topic 1)
How should you confrere the release retention policy for the investment planning depletions suite? 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:
Every request made against a storage service must be authorized, unless the request is for a blob or container resource that has been made available for public or signed access. One option for authorizing a request is by using Shared Key.
Scenario: The mobile applications must be able to call the share pricing service of the existing retirement fund management system. Until the system is upgraded, the service will only support basic authentication over HTTPS.
The investment planning applications suite will include one multi-tier web application and two iOS mobile application. One mobile application will be used by employees; the other will be used by customers.
References: https://docs.microsoft.com/en-us/rest/api/storageservices/authorize-with-shared-key

NEW QUESTION 6
- (Exam Topic 1)
What should you use to implement the code quality restriction on the release pipeline for the investment planning applications suite?

A. a trigger
B. a pre deployment approval
C. a post-deployment approval
D. a deployment gate

Answer: D

NEW QUESTION 7
- (Exam Topic 2)

You have an Azure DevOps organization named Contoso that contains a project named Project 1. You provision an Azure key vault name Keyvault1.
You need to reference Keyvault1 secrets in a build pipeline of Project1. What should you do first?

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

Answer: B

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

NEW QUESTION 8
- (Exam Topic 2)
This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an Azure DevOps project.
Your build process creates several artifacts.
You need to deploy the artifacts to on-premises servers.
Solution: You deploy an Azure self-hosted agent to an on-premises server. You add a Copy and Publish Build Artifacts task to the deployment pipeline. Does this meet the goal?

A. Yes
B. No

Answer: A

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

NEW QUESTION 9
- (Exam Topic 2)
You need to deploy Internet Information Services (IIS) to an Azure virtual machine that runs Windows Server 2019.
How should you complete the Desired State Configuration (DSQ configuration script? To answer, drag the appropriate values to the correct locations. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 10
- (Exam Topic 2)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution

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

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

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

Does the meet the goal?

A. Yes
B. No

Answer: B

Explanation:
In Visual Designer you enable continuous integration (CI) by:

Select the Triggers tab.
Enable Continuous integration. References:
https://docs.microsoft.com/en-us/azure/devops/pipelines/get-started-designer

NEW QUESTION 10
- (Exam Topic 2)
You are automating the testing process for your company. You need to automate UI testing of a web application. Which framework should you use?

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

Answer: B

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

NEW QUESTION 14
- (Exam Topic 2)
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: BF

Explanation:
References:
https://docs.microsoft.com/en-us/appcenter/distribution/auto-provisioning

NEW QUESTION 15
- (Exam Topic 2)
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.

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 20
- (Exam Topic 2)
You have a private project in Azure DevOps.
You need to ensure that a project manager can create custom work item queries to report on the project's progress. The solution must use the principle of least privilege.
To which security group should you add the project manager?

A. Project Collection Administrators
B. Reader
C. Project Administrators
D. Contributor

Answer: D

Explanation:
Contributors have permissions to contribute fully to the project code base and work item tracking. The main permissions they don't have or those that manage or administer resources.
Reference:
https://docs.microsoft.com/en-us/azure/devops/organizations/security/permissions
https://docs.microsoft.com/en-us/azure/devops/organizations/security/permissions-access-work-tracking?view=a

NEW QUESTION 25
- (Exam Topic 2)
Your company is building a new solution in Java.
The company currently uses a SonarQube server to analyze the code of .NET solutions. You need to analyze and monitor the code quality of the Java solution.
Which task types should you add to the build pipeline?

A. Chef
B. Gradle
C. Octopus

D. Gulp

Answer: B

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

NEW QUESTION 28
- (Exam Topic 2)
You plan to create a project in Azure DevOps. Multiple developers will work on the project. The developers will work offline frequently and will require access to the full project history while they are offline.
Which version control solution should you use?

A. TortotseSVN
B. Team Foundation Version Control
C. Subversion
D. Git

Answer: D

Explanation:
Git history: File history is replicated on the client dev machine and can be viewed even when not connected to the server. You can view history in Visual Studio and on the web portal.
Note: Azure Repos supports two types of version control: Git and Team Foundation Version Control (TFVC). Reference:
https://docs.microsoft.com/en-us/azure/devops/repos/tfvc/comparison-git-tfvc

NEW QUESTION 29
- (Exam Topic 2)
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 34
- (Exam Topic 2)
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 35
- (Exam Topic 2)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You plan to create a release pipeline that will deploy Azure resources by using Azure Resource Manager templates. The release pipeline will create the following resources:
 Two resource groups
 Four Azure virtual machines in one resource group
 Two Azure SQL databases in other resource group
You need to recommend a solution to deploy the resources.
Solution: Create two standalone templates, each of which will deploy the resources in its respective group. Does this meet the goal?

A. Yes

B. No

Answer: A

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

NEW QUESTION 38
- (Exam Topic 2)
You have a containerized solution that runs in Azure Container Instances. The solution contains a frontend container named App1 and a backend container named DB1. DB1 loads a large amount of data during startup.
You need to verify that DB1 can handle incoming requests before users can submit requests to Appl. What should you configure?

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

Answer: C

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

NEW QUESTION 39
- (Exam Topic 2)
During a code review, you discover many quality issues. Many modules contain unused variables and empty catch Modes. You need to recommend a solution to improve the quality o' the code. What should you recommend?

A. In a Gradle build task, select Run Checkstyle.
B. In an Xcode build task, select Use xcpretty from Advanced
C. In a Grunt build task, select Enabled from Control Options.
D. In a Maven build task, select Run PMD.

Answer: D

Explanation:
PMD is a source code analyzer. It finds common programming flaws like unused variables, empty catch blocks, unnecessary object creation, and so forth.
There is an Apache Maven PMD Plugin which allows you to automatically run the PMD code analysis tool on your project's source code and generate a site report with its results.
References: https://pmd.github.io/

NEW QUESTION 42
- (Exam Topic 2)
You are designing a build pipeline in Azure Pipelines.
The pipeline requires a self-hosted agent. The build pipeline will run once daily and will take 30 minutes to complete.
You need to recommend a compute type for the agent. The solution must minimize costs. What should you recommend?

A. Azure virtual machines
B. an Azure virtual machine scale set
C. an Azure Kubernetes Service (AKS) cluster
D. Azure Container Instances

Answer: B

Explanation:
https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/agents?view=azure-devops&tabs=browser#faq

NEW QUESTION 45
- (Exam Topic 2)
You have an Azure Kubernetes Service (AKS) pod.
You need to configure a probe to perform the following actions:
 Confirm that the pod is responding to service requests.
 Check the status of the pod four times a minute.
 Initiate a shutdown if the pod is unresponsive.
How should you complete the YAML configuration file? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 49
- (Exam Topic 2)
You are developing an application. The application source has multiple branches. You make several changes to a branch used for experimentation.
You need to update the main branch to capture the changes made to the experimentation branch and override the history of the Git repository.
Which Git option should you use?

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

Answer: C

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

NEW QUESTION 54
- (Exam Topic 2)
You have a build pipeline in Azure Pipelines that occasionally fails.
You discover that a test measuring the response time of an API endpoint causes the failures. You need to prevent the build pipeline from failing due to The test.
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point

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

Answer: CE

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

NEW QUESTION 55
- (Exam Topic 2)
You have an Azure DevOps project that uses many package feeds.
You need to simplify the project by using a single feed that stores packages produced by your company and packages consumed from remote feeds. The solution must support public feeds and authenticated feeds.
What should you enable in DevOps?

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

Answer: B

NEW QUESTION 58
- (Exam Topic 2)
You company uses Azure DevOps to deploy infrastructures to Azure. Pipelines are developed by using YAML.
You execute a pipeline and receive the results in the web portal for Azure Pipelines as shown in the following exhibit.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Reference:
https://dev.to/rajikaimal/azure-devops-ci-cd-yaml-pipeline-4glj

NEW QUESTION 63
- (Exam Topic 2)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Your company has a project in Azure DevOps for a new web application. You need to ensure that when code is checked in, a build runs automatically.
Solution: From the Pre-deployment conditions settings of the release pipeline, you select 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 65
- (Exam Topic 2)
You are implementing an Azure DevOps strategy for mobile devices using App Center. You plan to use distribution groups to control access to releases.
You need to create the distribution groups shown in the following table.

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

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 66
- (Exam Topic 2)
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 67
- (Exam Topic 2)
You have a project in Azure DevOps. You have an Azure Resource Group deployment project in Microsoft Visual Studio that is checked in to the Azure DevOps project.
You need to create a release pipeline that will deploy resources by using Azure Resource Manager templates. The solution must minimize administrative effort. Which task type should you include in the solution?

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

Answer: C

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

NEW QUESTION 69
- (Exam Topic 2)
You are designing YAML-based Azure pipelines for the apps shown in the following table.

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.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 70
- (Exam Topic 2)
Your company has an Azure subscription.
The company requires that all resource group in the subscription have a tag named organization set to a value of Contoso.
You need to implement a policy to meet the tagging requirement.
How should you complete the policy? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

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 75
- (Exam Topic 2)
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 Reference:
https://docs.microsoft.com/en-us/azure/devops/repos/get-started/what-is-repos https://azure.microsoft.com/en-us/services/devops/artifacts/
https://docs.microsoft.com/en-us/azure/devops/pipelines/test/review-continuous-test-results-after-build

NEW QUESTION 77
- (Exam Topic 2)
Your company uses GitHub for source control. GitHub repositories store source code and store process documentation. The process documentation is saved as
Microsoft Word documents that contain simple flow charts stored as .bmp files.
You need to optimize the integration and versioning of the process documentation and the flow charts. The solution must meet the following requirements:
• Store documents as plain text.
• Minimize the number of files that must be maintained.
• Simplify the modification, merging, and reuse of flow charts.
• Simplify the modification, merging, and reuse of documents.
What should you include in the solution? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 82
- (Exam Topic 2)
You are creating a build pipeline in Azure Pipelines.
You define several tests that might fail due to third-party applications.
You need to ensure that the build pipeline completes successfully if the third-party applications are unavailable.
What should you do?

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

Answer: B

NEW QUESTION 86
- (Exam Topic 2)
You have a project in Azure DevOps that has three teams as shown in the Teams exhibit. (Click the Teams tab.)

You create a new dashboard named Dash1.
You configure the dashboard permissions for the Contoso project as shown in the Permissions exhibit (Click the Permissions tab.)

All other permissions have the default values set.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 88
- (Exam Topic 2)
You are designing a configuration management solution to support five apps hosted on Azure App Service. Each app is available in the following three environments: development, test, and production.
You need to recommend a configuration management solution that meets the following requirements:
 Supports feature flags
 Tracks configuration changes from the past 30 days
 Stores hierarchically structured configuration values
 Controls access to the configurations by using role-based access control (RBAC) permission
 Stores shared values as key/value pairs that can be used by all the apps
Which Azure service should you recommend as the configuration management solution?

A. Azure Cosmos DB
B. Azure App Service
C. Azure App Configuration
D. Azure Key Vault

Answer: C

Explanation:
The Feature Manager in the Azure portal for App Configuration provides a UI for creating and managing the feature flags that you use in your applications.
App Configuration offers the following benefits:
 A fully managed service that can be set up in minutes
 Flexible key representations and mappings
 Tagging with labels
 Point-in-time replay of settings
 Dedicated UI for feature flag management
 Comparison of two sets of configurations on custom-defined dimensions
 Enhanced security through Azure-managed identities
 Encryption of sensitive information at rest and in transit
 Native integration with popular frameworks
App Configuration complements Azure Key Vault, which is used to store application secrets. Reference:
https://docs.microsoft.com/en-us/azure/azure-app-configuration/overview

NEW QUESTION 92
- (Exam Topic 2)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an approval process that contains a condition. The condition requires that releases be approved by a team leader before they are deployed.
You have a policy stating that approvals must occur within eight hours.
You discover that deployment fail if the approvals take longer than two hours.
You need to ensure that the deployments only fail if the approvals take longer than eight hours.
Solution: From Post-deployment conditions, you modify the Timeout setting for post-deployment approvals. Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 96
- (Exam Topic 2)
You manage build pipelines and deployment pipelines by using Azure DevOps.
Your company has a team of 500 developers. New members are added continual lo the team You need to automate me management of users and licenses whenever possible
Which task must you perform manually?

A. modifying group memberships
B. procuring licenses
C. adding users
D. assigning entitlements

Answer: B

Explanation:
 References:
https://docs.microsoft.com/en-us/azure/devops/organizations/accounts/migrate-to-group-based-resource-manage https://docs.microsoft.com/en-us/rest/api/azure/devops/memberentitlementmanagement/?view=azure-devops-res

NEW QUESTION 98
- (Exam Topic 2)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You manage a project in Azure DevOps.
You need to prevent the configuration of the project from changing over time. Solution: Perform a Subscription Health scan when packages are created.
Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 99
- (Exam Topic 2)
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 104
- (Exam Topic 2)
You manage a website that uses an Azure SQL Database named db1 in a resource group named RG1lod11566895.
You need to modify the SQL database to protect against SQL injection. To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

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

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

NEW QUESTION 109
- (Exam Topic 2)
You need to prepare a network security group (NSG) named az400-9940427-nsg1 to host an Azure DevOps pipeline agent. The solution must allow only the required outbound port for Azure DevOps and deny all other inbound and outbound access to the Internet.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

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

* 5. Change the following settings:
 Destination Port range: 8080
 Protocol. TCP
 Action: Allow
Note: By default, Azure DevOps Server uses TCP Port 8080. References:
https://robertsmit.wordpress.com/2017/09/11/step-by-step-azure-network-security-groups-nsg-security-center-az https://docs.microsoft.com/en-us/azure/devops/server/architecture/required-ports?view=azure-devops

NEW QUESTION 114
- (Exam Topic 2)
You need to configure GitHub to use Azure Active Directory (Azure AD) for authentication. What should you do first?

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

Answer: D

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

AD credentials.

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

Reference:

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

NEW QUESTION 115

- (Exam Topic 2)

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

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

You plan to create a release pipeline that will deploy Azure resources by using Azure Resource Manager templates. The release pipeline will create the following resources:

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

You need to recommend a solution to deploy the resources.

Solution: Create a main template that has two linked templates, each of which will deploy the resource in its respective group.

Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:

To deploy your solution, you can use either a single template or a main template with many related templates. The related template can be either a separate file that is linked to from the main template, or a template that is nested within the main template.

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

NEW QUESTION 120

- (Exam Topic 2)

Your company uses Git as a source code control system for a complex app named App1. You plan to add a new functionality to App1.

You need to design a branching model for the new functionality.

Which branch lifetime and branch time should you use in the branching model? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 121
- (Exam Topic 2)
Your company is building a new solution in Java.
The company currently uses a SonarQube server to analyze the code of .NET solutions. You need to analyze and monitor the code quality of the Java solution. Which task types should you add to the build pipeline?

A. Octopus
B. Chef
C. Maven
D. Grunt

Answer: A

NEW QUESTION 125
- (Exam Topic 2)
You manage build and release pipelines by using Azure DevOps. Your entire managed environment resides in Azure.
You need to configure a service endpoint for accessing Azure Key Vault secrets. The solution must meet the following requirements:

 Ensure that the secrets are retrieved by Azure DevOps.
 Avoid persisting credentials and tokens in Azure DevOps.
How should you configure the service endpoint? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Azure Pipelines service connection
Box 2: Managed Service Identity Authentication
The managed identities for Azure resources feature in Azure Active Directory (Azure AD) provides Azure services with an automatically managed identity in Azure AD. You can use the identity to authenticate to any service that supports Azure AD authentication, including Key Vault, without any credentials in your code.
Reference:
https://docs.microsoft.com/en-us/azure/devops/pipelines/tasks/deploy/azure-key-vault https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview

NEW QUESTION 126
- (Exam Topic 2)
You need to recommend project metrics for dashboards in Azure DevOps.
Which chart widgets should you recommend for each metric? To answer, drag the appropriate chart widgets to the correct metrics. Each chart widget may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

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 128
- (Exam Topic 2)
You use Azure SQL Database Intelligent Insights and Azure Application Insights foe monitoring. You need to write ad-hoc Queries against the monitoring data.
Which Query language should you use?

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

Answer: C

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

NEW QUESTION 132
- (Exam Topic 2)
You have an Azure DevOps project that contains a release pipeline and a Git repository. When a new code revision is committed to the repository, a build and release is triggered.
You need to ensure that release information for the pipeline is added automatically to the work items associated to the Git commit.
What should you do?

A. Modify the Integrations options for the pipeline.
B. Modify the post-deployment conditions for the last stage of the pipeline.
C. Add an agentless job to the pipeline.
D. Modify the service hooks for the project.

Answer: B

Explanation:
Configure your release definition to post deployment information to Work items.
* 1. Open Pipelines>Releases, choose to edit your release pipeline, then choose Options>Integrations.

Reference:
https://docs.microsoft.com/en-us/azure/devops/boards/work-items/work-item-deployments-control

NEW QUESTION 136
- (Exam Topic 2)
You are developing a multi-tier application. The application will use Azure App Service web apps as the front end and an Azure SQL database as the back end.
The application will use Azure functions to write some data to Azure Storage.
You need to send the Azure DevOps team an email message when the front end fails to return a status code of 200.
Which feature should you use?

A. Service Map in Azure Log Analytics
B. Profiler in Azure Application Insights
C. availability tests in Azure Application Insights
D. Application Map in Azure Application Insights

Answer: C

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

NEW QUESTION 139
- (Exam Topic 2)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.
You need to recommend changes to reduce the accumulated technical debt. Solution: You recommend reducing the code coupling and the dependency cycles?
Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 141
- (Exam Topic 2)
You plan to use Terraform to deploy an Azure resource group.
You need to install the required frameworks to support the planned deployment.
Which two frameworks should you install? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

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

Answer: BD

Explanation:
You can use the combination of Terraform and Yeoman. Terraform is a tool for creating infrastructure on Azure. Yeoman makes it easy to create Terraform modules.
Terratest provides a collection of helper functions and patterns for common infrastructure testing tasks, like making HTTP requests and using SSH to access a specific virtual machine. The following list describes some of the major advantages of using Terratest:

Convenient helpers to check infrastructure - This feature is useful when you want to verify your real infrastructure in the real environment.
Organized folder structure - Your test cases are organized clearly and follow the standard Terraform module folder structure.
Test cases are written in Go - Many developers who use Terraform are Go developers. If you're a Go developer, you don't have to learn another programming language to use Terratest.
Extensible infrastructure - You can extend additional functions on top of Terratest, including Azure-specific features.
Reference:
https://docs.microsoft.com/en-us/azure/developer/terraform/create-base-template-using-yeoman https://docs.microsoft.com/en-us/azure/developer/terraform/test-modules-using-terratest

NEW QUESTION 143
- (Exam Topic 2)
You need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:
• The builds must access an on-premises dependency management system.
• The build outputs must be stored as Server artifacts in Azure DevOps.
• The source code must be stored in a Git repository in Azure DevOps.
Solution: Configure the build pipeline to use a Microsoft-hosted agent pool running a Linux image. Include the Java Tool Installer task in the build pipeline.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 147
- (Exam Topic 2)
Your company builds a multi tier web application.
>You use Azure DevOps and host the production application on Azure virtual machines.
Your team prepares an Azure Resource Manager template of the virtual machine that you mil use to test new features.
You need to create a staging environment in Azure that meets the following requirements:
• Minimizes the cost of Azure hosting
• Provisions the virtual machines automatically
• Use* the custom Azure Resource Manager template to provision the virtual machines What should you do?

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

Answer: A

Explanation:
You can use the Azure DevTest Labs Tasks extension that's installed in Azure DevOps to easily integrate your CI/CD build-and-release pipeline with Azure DevTest Labs. The extension installs three tasks:
Create a VM
Create a custom image from a VM
Delete a VM
The process makes it easy to, for example, quickly deploy a "golden image" for a specific test task and then delete it when the test is finished.

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

NEW QUESTION 148
- (Exam Topic 2)
Note: This question is part of a ser les of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question m this section, you will NOT be able to return to it As a result, these questions will not appear m the review screen
You integrate a cloud-hosted Jenkins server and a new Azure Dev Ops deployment.
You need Azure Dev Ops lo send a notification to Jenkins when a developer commits changes to a branch in Azure Repos.
Solution: You create an email subscription to an Azure DevOps notification. Does this meet the goal?

A. Yes
B. NO

Answer: B

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

NEW QUESTION 151
- (Exam Topic 2)
You are monitoring the health and performance of an Azure web app by using Azure Application Insights. You need to ensure that an alert is sent when the web app has a sudden rise in performance issues and failures. What should you use?

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

Answer: C

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

NEW QUESTION 155
- (Exam Topic 2)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You manage a project in Azure DevOps.
You need to prevent the configuration of the project from changing over time. Solution: Implement Continuous Integration for the project.
Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 159
- (Exam Topic 2)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Your company has a project in Azure DevOps for a new web application. You need to ensure that when code is checked in, a build runs automatically.
Solution: From the Pre-deployment conditions settings of the release pipeline, you select After stage. Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 164
- (Exam Topic 2)

You plan to create alerts that will be triggered based on the page load performance of a home page. You have the Application Insights log query shown in the following exhibit.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: percentile_duration_95
Box 2: success For example – requests
| project name, url, success
| where success == "False"
This will return all the failed requests in my App Insights within the specified time range. Reference:
https://devblogs.microsoft.com/premier-developer/alerts-based-on-analytics-query-using-custom-log-search/

NEW QUESTION 165
- (Exam Topic 2)
You have a free tier of an Azure DevOps organization named Contoso. Contoso contains 10 private projects. Each project has multiple jobs with no dependencies.
You frequently run the jobs on five self-hosted agents but experience long build times and frequently queued builds.
You need to minimize the number of queued builds and the time it takes to run the builds. What should you do?

A. Purchase self-hosted parallel jobs.
B. Register additional self-hosted agents.
C. Purchase Microsoft-hosted parallel jobs.
D. Configure the pipelines to use the Microsoft-hosted agents.

Answer: A

Explanation:
https://docs.microsoft.com/en-us/azure/devops/organizations/billing/buy-more-build-vs?view=azure-devops#sel

NEW QUESTION 168
- (Exam Topic 2)
Your company has a project in Azure DevOps for a new web application. The company uses Service Now for change management.
You need to ensure that a change request is processed before any components can be deployed to the production environment.
What are two ways to integrate into the Azure DevOps release pipeline? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Define a deployment control that invokes the Service Now SOAP API.
B. Define a post deployment gate after the deployment to the QA stage.
C. Define a deployment control that invokes the ServiceNow REST API.

D. Define a pre deployment gate before the deployment to the Prod stage.

Answer: AB

Explanation:
https://docs.microsoft.com/en-us/azure/devops/pipelines/release/approvals/servicenow?view=azure-devops

NEW QUESTION 169
- (Exam Topic 2)
You have an application named App1 that has a custom domain of app.contoso.com. You create a test in Azure Application Insights as shown in the following exhibit.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: every five minutes at a random location
Test frequency: Sets how often the test is run from each test location. With a default frequency of five minutes and five test locations, your site is tested on average every minute.
Box 2:
Parse dependent requests: Test requests images, scripts, style files, and other files that are part of the web page under test. The recorded response time includes the time taken to get these files. The test fails if any of these resources cannot be successfully downloaded within the timeout for the whole test.
Reference:
https://docs.microsoft.com/en-us/azure/azure-monitor/app/monitor-web-app-availability

NEW QUESTION 174
- (Exam Topic 2)
You are integrating Azure Pipelines and Microsoft Teams. You install the Azure Pipelines app in Microsoft Teams.
You have an Azure DevOps organization named Contoso that contains a project name Project1. You subscribe to Project1 in Microsoft Teams.
You need to ensure that you only receive events about failed builds in Microsoft Teams. What should you do first?

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

Answer: A

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

NEW QUESTION 179
- (Exam Topic 2)
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You use Azure Pipelines to build and test a React js application. You have a pipeline that has a single job.

You discover that installing JavaScript packages from npm takes approximately five minutes each time you run the pipeline.
You need to recommend a solution to reduce the pipeline execution time. Solution: You recommend enabling parallel jobs for the pipeline.
Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 183
- (Exam Topic 2)
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 188
- (Exam Topic 2)
You have multi-tier application that h« an Azure Web Apps front end and art Azure SQL Datable back end. You need to recommend a solution to capture and store telemetry data. The solution must meet the following requirements:
• Support using ad-hoc queries to identify baselines.
• Trigger alerts when metrics in the baseline are exceeded.
• Store application and database metrics in a central location. What should you include in the recommendation?

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

Answer: A

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

NEW QUESTION 191
- (Exam Topic 2)
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 195
- (Exam Topic 2)
Your company has an on-premises Bitbucket Server that is used for Git-based source control. The server is protected by a firewall that blocks inbound Internet traffic.
You plan to use Azure DevOps to manage the build and release processes Which two components are required to integrate Azure DevOps and Bitbucket? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one port.

A. an External Git service connection
B. a Microsoft hosted agent
C. service hooks
D. a self- hosted agent
E. a deployment M group

Answer: AD

Explanation:
When a pipeline uses a remote, 3rd-party repository host such as Bitbucket Cloud, the repository is configured with webhooks that notify Azure Pipelines Server or TFS when code has changed and a build should be triggered. Since on-premises installations are normally protected behind a firewall, 3rd-party webhooks are unable to reach the on-premises server. As a workaround, you can use the External Git repository type which uses polling instead of webhooks to trigger a build when code has changed.
References: https://docs.microsoft.com/en-us/azure/devops/pipelines/repos/pipeline-options-for

NEW QUESTION 200
- (Exam Topic 2)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions
will not appear in the review screen.
The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.
You need to recommend changes to reduce the accumulated technical debt. Solution: You recommend 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 202
- (Exam Topic 2)
You plan to create an image that will contain a .NET Core application.
You have a Dockerfile file that contains the following code. (Line numbers are included for reference only.)

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

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

Answer: C

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

NEW QUESTION 203
- (Exam Topic 2)
Your company has a release pipeline in an Azure DevOps project.
You plan to deploy to an Azure Kubernetes Services (AKS) cluster by using the Helm package and deploy task.
You need to install a service in the AKS namespace for the planned deployment. Which service should you install?

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

Answer: D

Explanation:
Before you can deploy Helm in an RBAC-enabled AKS cluster, you need a service account and role binding for the Tiller service.
Reference:
https://docs.microsoft.com/en-us/azure/aks/kubernetes-helm

NEW QUESTION 206
- (Exam Topic 2)
You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 and an Azure Standard Load Balancer named LB1. LB1 distributes incoming requests across VMSS1 instances.
You use Azure DevOps to build a web app named Appl and deploy App1 to VMSS1. App1 is accessible via HTTPS only and configured to require mutual authentication by using a client certificate.
You need to recommend a solution for implementing a health check of App1. The solution must meet the following requirements:
• Identify whether individual instances of VMSSI are eligible for an upgrade operation.
• Minimize administrative effort.
What should you include in the recommendation?

A. the Custom Script Extension
B. the Application Health extension
C. Azure Monitor autoscale
D. an Azure Load Balancer health probe

Answer: D

NEW QUESTION 211
- (Exam Topic 2)
You plan to deploy a runbook that will create Azure AD user accounts.
You need to ensure that runbooks can run the Azure PowerShell cmdlets for Azure Active Directory. To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

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

* 2. Note the name of the directory associated with the Azure subscription you want to manage. You can find this directory by clicking Settings, then Subscriptions.

Step 2: Create an Azure Active Directory user in the directory associated with the Azure subscription to manage:
You can skip this step if you already have an Azure Active Directory user in this directory. and plan to use this OrgId to manage Azure.
* 1. In the Azure portal click on Active Directory service.

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

* 2. Click Administrators
* 3. Click the Add button. Type the full user name (including part after @ symbol) of the Azure Active Directory user you want to set up to manage Azure. For subscriptions, choose the Azure subscriptions you want this user to be able to manage. Click the check mark.
Step 4: Configure Azure Automation to use this Azure Active Directory user to manage this Azure subscription
Create an Azure Automation credential asset containing the username and password of the Azure Active Directory user that you have just created. You can create a credential asset in Azure Automation by clicking into an Automation Account and then clicking the Assets tab, then the Add Setting button.

Note: Once you have set up the Azure Active Directory credential in Azure and Azure Automation, you can now manage Azure from Azure Automation runbooks using this credential.
References:
https://azure.microsoft.com/sv-se/blog/azure-automation-authenticating-to-azure-using-azure-active-directory/

NEW QUESTION 212
- (Exam Topic 2)
You have a project in Azure DevOps that uses packages from multiple public feeds. Some of the feeds are unreliable.
You need to consolidate the packages into a single feed.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: Create a NuGet package.
NuGet and Maven are public package managers that support multiple feeds. Step 2: Create an Azure Artifacts feed that uses upstream sources
If you want to use packages from multiple feeds, use upstream sources to bring packages from multiple feeds together into a single feed.
Step 3: Create a Micrtosoft Visual Studio project that includes all the packages
Consume NuGet packages from upstream sources: Now you can open Visual Studio and install packages from the upstream sources you just configured.
Reference:
https://docs.microsoft.com/en-us/azure/devops/artifacts/how-to/set-up-upstream-sources

NEW QUESTION 213
- (Exam Topic 2)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You plan to create a release pipeline that will deploy Azure resources by using Azure Resource Manager templates. The release pipeline will create the following resources:

 Two resource groups
 Four Azure virtual machines in one resource group
 Two Azure SQL databases in other resource group
You need to recommend a solution to deploy the resources.
Solution: Create a main template that will deploy the resources in one resource group and a nested template that will deploy the resources in the other resource group.
Does this meet the goal?

A. Yes
B. No

Answer: B

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

NEW QUESTION 218
- (Exam Topic 2)
You need to create and configure an Azure Storage account named az400lod11566895stor in a resource group named RG1lod11566895 to store the boot diagnostics for a virtual machine named VM1.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

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

You must restart the virtual machine for the change to take effect. Reference:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-create https://docs.microsoft.com/en-us/azure/virtual-machines/troubleshooting/boot-diagnostics

NEW QUESTION 220
- (Exam Topic 2)
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 225
- (Exam Topic 2)
You have a build pipeline in Azure Pipelines. You create a Slack App Integration.
You need to send build notifications to a Slack channel named #Development. What should you do first?

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

Answer: B

Explanation:
Create a service hook for Azure DevOps with Slack to post messages to Slack in response to events in your Azure DevOps organization, such as completed builds, code changes, pull requests, releases, work items changes, and more.
Note:
* 1. Go to your project Service Hooks page: https://{orgName}/{project_name}/_settings/serviceHooksSelect Create Subscription.
* 3. Choose the types of events you want to appear in your Slack channel.
* 4. Paste the Web Hook URL from the Slack integration that you created and select Finish.
* 5. Now, when the event you configured occurs in your project, a notification appears in your team's Slack channel.
Reference:
https://docs.microsoft.com/en-us/azure/devops/service-hooks/services/slack

NEW QUESTION 226
- (Exam Topic 2)
Your company has a project in Azure DevOps.
You plan to create a release pipeline that will deploy resources by using Azure Resource Manager templates. The templates will reference secrets stored in Azure Key Vault.
You need to recommend a solution for accessing the secrets stored in the key vault during deployments. The solution must use the principle of least privilege.
What should you include in the recommendation? To answer, drag the appropriate configurations to the correct targets. Each configuration may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: A key Vault advanced access policy

Box 2: RBAC
Management plane access control uses RBAC.
The management plane consists of operations that affect the key vault itself, such as:

Creating or deleting a key vault.
Getting a list of vaults in a subscription.
Retrieving Key Vault properties (such as SKU and tags).
Setting Key Vault access policies that control user and application access to keys and secrets. References:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-tutorial-use-key-vault

NEW QUESTION 228
- (Exam Topic 2)
Your company hosts a web application in Azure. The company uses Azure Pipelines for the build and release management of the application.
Stakeholders report that the past few releases have negatively affected system performance. You configure alerts in Azure Monitor.
You need to ensure that new releases are only deployed to production if the releases meet defined performance baseline criteria in the staging environment first
What should you use to prevent the deployment of releases that fail to meet the performance baseline?

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

Answer: C

NEW QUESTION 229
- (Exam Topic 2)
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 232
- (Exam Topic 2)
You have an Azure subscription that contains a resources group named RG1. RG1 contains the following resources:
• Four Azure virtual machines that run Windows Server and have Internet Information Services (IIS) installed
• SQL Server on an Azure virtual machine
• An Azure Load Balancer
You need to deploy an application to the virtual machines in RG1 by using Azure Pipelines.
Which four actions should you perform in sequence? To answer, move the appropriate actions from the List of actions to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Step 1: Create an agent pool
Azure Pipelines provides a pre-defined agent pool named Azure Pipelines with Microsoft-hosted agents. Step 2: Create a deployment group
Deployment groups make it easy to define logical groups of target machines for deployment, and install the required agent on each machine.
Step 3: Execute the Azure Pipelines Agent extension to the virtual machines Install the Azure Pipelines Agent Azure VM extension
Step 4: Add and configure a deployment group job for the pipeline
Tasks that you define in a deployment group job run on some or all of the target servers, depending on the arguments you specify for the tasks and the job itself.
Reference:
https://docs.microsoft.com/en-us/azure/devops/pipelines/release/deployment-groups/howto-provision-deployme

NEW QUESTION 235
- (Exam Topic 2)
Your company plans to use an agile approach to software development.
You need to recommend an application to provide communication between members of the development team who work in locations around the world. The applications must meet the following requirements:
 Provide the ability to isolate the members of different project teams into separate communication channels and to keep a history of the chats within those channels.
 Be available on Windows 10, Mac OS, iOS, and Android operating systems.
 Provide the ability to add external contractors and suppliers to projects.
 Integrate directly with Azure DevOps. What should you recommend?

A. Microsoft Project
B. Bamboo
C. Microsoft Lync
D. Microsoft Teams

Answer: D

Explanation:

 Within each team, users can create different channels to organize their communications by topic. Each channel can include a couple of users or scale to thousands of users.
 Microsoft Teams works on Android, iOS, Mac and Windows systems and devices. It also works in Chrome, Firefox, Internet Explorer 11 and Microsoft Edge web browsers.
 The guest-access feature in Microsoft Teams allows users to invite people outside their organizations to join internal channels for messaging, meetings and file sharing. This capability helps to facilitate business-to-business project management.
 Teams integrates with Azure DevOps.
References: https://searchunifiedcommunications.techtarget.com/definition/Microsoft-Teams

NEW QUESTION 240
- (Exam Topic 2)
After you answer a question in this section, you will NOT be able to return to it As a result, these questions will not appear in the review screen.
You use Azure Pipelines to build and test a React js application You have a pipeline that has a single job.
You discover that installing JavaScript packages from npm lakes approximately five minutes each time you run the pipeline.
You need to recommend a solution to reduce the pipeline execution time. Solution: You recommend enabling pipeline caching.
Does this meet the goal?

A. Yes
B. No

Answer: A

Explanation:
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 244
- (Exam Topic 2)
Your company has 60 developers who are assigned to four teams. Each team has 15 members.
The company uses an agile development methodology.
You need to structure the work of the development teams so that each team owns their respective work while working together to reach a common goal.
Which parts of the taxonomy should you enable the team to perform autonomously?

A. Features and Tasks
B. Initiatives and Epics
C. Epics and Features
D. Stories and Tasks

Answer: A

Explanation:
A feature typically represents a shippable component of software. Features, examples:
 Add view options to the new work hub
 Add mobile shopping cart
 Support text alerts

Refresh the web portal with new look and feel
User Stories and Tasks are used to track work. Teams can choose how they track bugs, either as requirements or as tasks
Reference:
https://docs.microsoft.com/en-us/azure/devops/boards/backlogs/define-features-epics https://docs.microsoft.com/en-us/azure/devops/boards/work-items/about-work-items

NEW QUESTION 246
- (Exam Topic 2)
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 248
- (Exam Topic 2)
Your company has a project in Azure DevOps for a new application. The application will be deployed to several Azure virtual machines that run Windows Server 2016.
You need to recommend a deployment strategy for the virtual machines. The strategy must meet the following requirements:
• Ensure that the virtual machines maintain a consistent configuration.
• Minimize administrative effort to configure the virtual machines What should you include in the recommendation?

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

Answer: B

Explanation:
The Custom Script Extension downloads and executes scripts on Azure virtual machines. This extension is useful for post deployment configuration, software installation, or any other configuration or management tasks. Scripts can be downloaded from Azure storage or GitHub, or provided to the Azure portal at extension run time. The Custom Script Extension integrates with Azure Resource Manager templates, and can be run using the Azure CLI, PowerShell, Azure portal, or the Azure Virtual Machine REST API.
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/extensions/custom-script-windows

NEW QUESTION 253
- (Exam Topic 2)
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 255
- (Exam Topic 2)
You plan to deploy a website that will be hosted in two Azure regions.
You need to create an Azure Traffic Manager profile named az40011566895n1-tm in a resource group named RG1lod11566895. The solution must ensure that users will always connect to a copy of the website that is in the same country.
To complete this task, sign in to the Microsoft Azure portal.

A. Mastered
B. Not Mastered

Answer: A

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

* 2. In the Create Traffic Manager profile, enter, or select these settings:Name: az40011566895n1-tmRouting method: GeographicResource group: RG1lod11566895

Note: Traffic Manager profiles can be configured to use the Geographic routing method so that users are directed to specific endpoints (Azure, External or Nested) based on which geographic location their DNS query originates from. This empowers Traffic Manager customers to enable scenarios where knowing a user's geographic region and routing them based on that is important.
Reference:
https://azure.microsoft.com/en-us/blog/announcing-the-general-availability-of-geographic-routing-capability-in

NEW QUESTION 257
- (Exam Topic 2)
Your company is concerned that when developers introduce open source libraries, it creates licensing compliance issues.
You need to add an automated process to the build pipeline to detect when common open source libraries are added to the code base.
What should you use?

A. PDM
B. OWASPZAP
C. WhiteSource
D. Jenkins

Answer: C

NEW QUESTION 259
- (Exam Topic 2)
You have the following Azure policy.

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

Answer: A

NEW QUESTION 261
- (Exam Topic 2)
Your company is concerned that when developers introduce open source libraries, it creates licensing compliance issues.
You need to add an automated process to the build pipeline to detect when common open source libraries are added to the code base.
What should you use?

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

Answer: C

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

  Detect and remedy vulnerable open source components.
  Generate comprehensive open source inventory reports per project or build.
  Enforce open source license compliance, including dependencies' licenses.
  Identify outdated open source libraries with recommendations to update.
References: https://www.azuredevopslabs.com/labs/vstsextend/WhiteSource/

NEW QUESTION 262
- (Exam Topic 3)
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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Scenario:

Step 1: Sign in to Azure Devops 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-vst https://mohitgoyal.co/2019/01/10/run-azure-devops-private-agents-in-kubernetes-clusters/

NEW QUESTION 266
- (Exam Topic 3)
You add the virtual machines as managed nodes in Azure Automation State Configuration. You need to configure the computer in Group7.

What should you do?

A. Run the Register-AzureRmAutomationDscNode Azure Powershell cmdlet.
B. Modify the ConfigurationMode property of the Local Configuration Manager (LCM).
C. Install PowerShell Core.
D. Modify the RefreshMode property of the Local Configuration Manager (LCM).

Answer: A

Explanation:
The Register-AzureRmAutomationDscNode cmdlet registers an Azure virtual machine as an APS Desired State Configuration (DSC) node in an Azure Automation account.
Scenario: The Azure DevOps organization includes: The Docker extension
A deployment pool named Pool7 that contains 10 Azure virtual machines that run Windows Server 2016

References:
https://docs.microsoft.com/en-us/powershell/module/azurerm.automation/register-azurermautomationdscnode

NEW QUESTION 271
- (Exam Topic 3)
You need to implement Project6.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them m the correct order.

A. Mastered
B. Not Mastered

Answer: A

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

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

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

NEW QUESTION 273
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