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Generally speaking, a satisfactory practice material should include the following traits. High quality and accuracy rate with reliable services from beginning to end. As the most professional group to compile the content according to the newest information, our AZ-400 practice materials contain them all, and in order to generate a concrete transaction between us we take pleasure in making you a detailed introduction of our AZ-400 practice materials. We would like to take this opportunity and offer you a best AZ-400 practice material as our strongest items as follows. Here are detailed specifications of our product.

Microsoft AZ-400 Exam is a certification exam designed for professionals who work with Microsoft DevOps Solutions. AZ-400 exam is intended to validate the skills and knowledge of candidates in designing and implementing DevOps solutions using the Microsoft Azure platform. It is a comprehensive exam that covers topics such as continuous integration and continuous delivery, infrastructure as code, application infrastructure, and monitoring and feedback.

Microsoft AZ-400: Designing & Implementing Microsoft DevOps Solutions is a qualifying exam required for obtaining the Microsoft Certified: DevOps Engineer Expert certification. This test is designed to measure the competence of the candidates in developing instrumentation strategies; developing an SRE (Site Reliability Engineering) strategy; developing a compliance and security plan; defining and implementing a continuous delivery & release management strategy; defining and implementing continuous integration; facilitating collaboration and communication; handling source control.

>> **Valid Microsoft AZ-400 Test Forum** <<

TOP Valid AZ-400 Test Forum - Microsoft Designing and Implementing Microsoft DevOps Solutions - Trustable Test AZ-400 Questions Vce

Therefore, make the most of this opportunity of getting these superb exam questions for the Microsoft AZ-400 certification exam. We guarantee you that our top-rated Designing and Implementing Microsoft DevOps Solutions practice exam (PDF, desktop practice test software, and web-based practice exam) will enable you to pass the Microsoft AZ-400 Certification Exam on the very first go.

Microsoft AZ-400 Certification Exam is designed for professionals who wish to demonstrate their expertise in designing and implementing DevOps solutions using Microsoft technologies. DevOps has become an essential part of software development and delivery as it enables organizations to deliver high-quality software products faster and more efficiently. Designing and Implementing Microsoft DevOps Solutions certification exam validates the skills and knowledge required to successfully implement DevOps practices in a Microsoft environment.

Microsoft Designing and Implementing Microsoft DevOps Solutions Sample Questions (Q193-Q198):

NEW QUESTION # 193

Impact
User Flows
Users

Feature usage:  Microsoft

Number of people who used the actions and its features:

--

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

--

--

Your company wants to use Azure Application Insights to understand how user behaviors affect an application.

Which Application Insights tool should you use to analyze each behavior? To answer, drag the appropriate tools to the correct behaviors. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

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

Explanation

Text Description automatically generated

Impact
User Flows
Users

Feature usage:  Microsoft

Number of people who used the actions and its features:

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

User Flows

Users

Impact

Box 1: User Flows

The User Flows tool visualizes how users navigate between the pages and features of your site. It's great for answering questions like:

How do users navigate away from a page on your site?

What do users click on a page on your site?

Where are the places that users churn most from your site?

Are there places where users repeat the same action over and over?

Box 2: Users

Counting Users: The user behavior analytics tools don't currently support counting users or sessions based on properties other than anonymous user ID, authenticated user ID, or session ID.

Box 3: Impact

Impact analyzes how load times and other properties influence conversion rates for various parts of your app.

To put it more precisely, it discovers how any dimension of a page view, custom event, or request affects the usage of a different page view or custom event.

Reference:

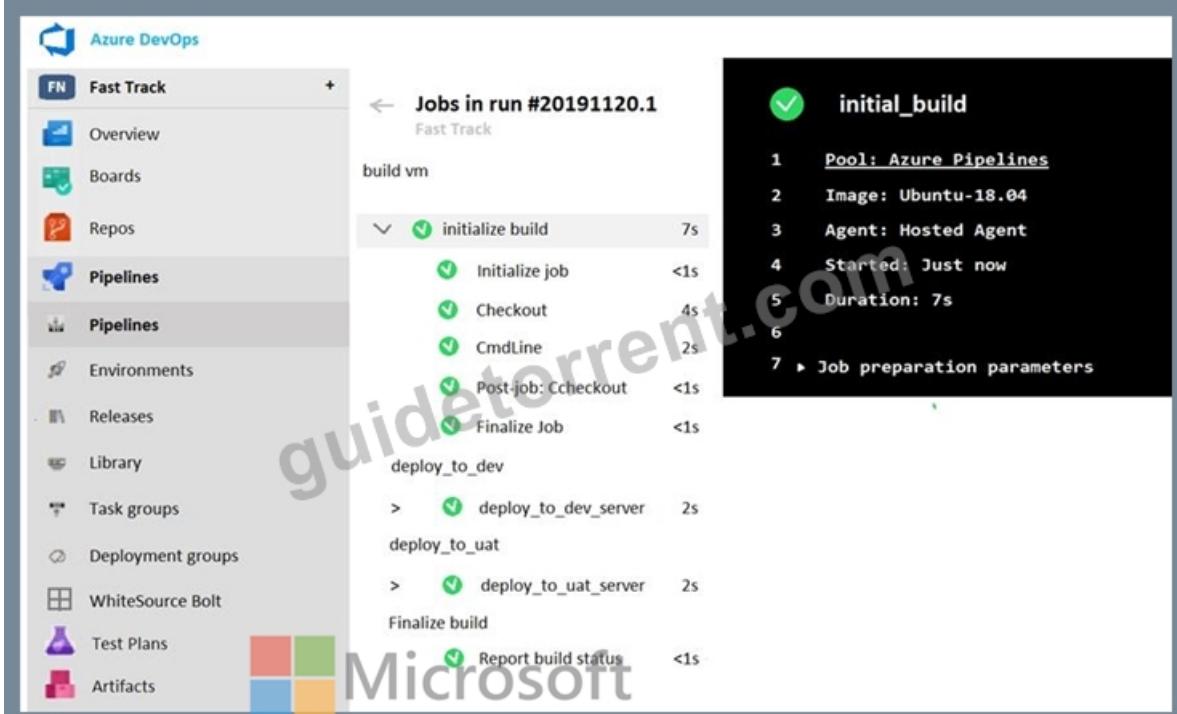
<https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-flows>
<https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-impact>
<https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-troubleshoot>

NEW QUESTION # 194

Your 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.



Jobs in run #20191120.1

Fast Track

initial_build

1 Pool: Azure Pipelines

2 Image: Ubuntu-18.04

3 Agent: Hosted Agent

4 Started: Just now

5 Duration: 7s

6

7 Job preparation parameters

initialize build

Initialize job <1s

Checkout 4s

CmdLine 2s

Post-job: Ccheckout <1s

Finalize Job <1s

deploy_to_dev

deploy_to_uat

Finalize build

Report build status <1s

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

NOTE: Each correct selection is worth one point.

The pipeline contains

	▼
one stage	
two stages	
three stages	
four stages	
five stages	

Build_vm contains



	▼
one job	
two jobs	
three jobs	
four jobs	
five jobs	

Answer:

Explanation:

The pipeline contains

	▼
one stage	
two stages	
three stages	
four stages	
five stages	

Build_vm contains

	▼
one job	
two jobs	
three jobs	
four jobs	
five jobs	

Explanation:

The pipeline contains

	▼
one stage	
two stages	
three stages	
four stages	
five stages	

Build_vm contains

	▼
one job	
two jobs	
three jobs	
four jobs	
five jobs	

Reference:

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

NEW QUESTION # 195

You need to configure Azure Automation for the computer in Group7.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area	
Run the <code>Import-AzureRmAutomationDscConfiguration</code> Azure PowerShell cmdlet.		
Create a Desired State Configuration (DSC) configuration file that has an extension of <code>.ps1</code> .		
Run the <code>New-AzureRmResourceGroupDeployment</code> Azure PowerShell cmdlet.	↻	
Run the <code>Start-AzureRmAutomationDscCompilationJob</code> Azure PowerShell cmdlet.	↻	
Create an Azure Resource Manager template file that has an extension of <code>.json</code> .	↑	↓

Answer:

Explanation:

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

Explanation:

Create a Desired State Configuration (DSC) configuration file that has an extension of .ps1.

Run the `Import-AzureRmAutomationDscConfiguration` Azure PowerShell cmdlet

Run the `Start-AzureRmAutomationDscCompilationJob` Azure PowerShell cmdlet.

Step 1: Create a Desired State Configuration (DSC) configuration file that has an extension of .ps1.
 Step 2: Run the `Import-AzureRmAutomationDscConfiguration` Azure Powershell cmdlet The `Import-AzureRmAutomationDscConfiguration` cmdlet imports an APS Desired State Configuration (DSC) configuration into Azure Automation. Specify the path of an APS script that contains a single DSC configuration.

Example:

```
PS C:\>Import-AzureRmAutomationDscConfiguration -AutomationAccountName "Contoso17"- ResourceGroupName "ResourceGroup01" -SourcePath "C:\DSC\client.ps1" -Force
```

This command imports the DSC configuration in the file named client.ps1 into the Automation account named Contoso17. The command specifies the Force parameter. If there is an existing DSC configuration, this command replaces it.

Step 3: Run the `Start-AzureRmAutomationDscCompilationJob` Azure Powershell cmdlet The `Start-AzureRmAutomationDscCompilationJob` cmdlet compiles an APS Desired State Configuration (DSC) configuration in Azure Automation.

References:

<https://docs.microsoft.com/en-us/powershell/module/azurerm.automation/import-azurermautomationdscconfiguration>
<https://docs.microsoft.com/en-us/powershell/module/azurerm.automation/start-azurermautomationdsccompilationjob>

Topic 1, Contoso Case Study: 2

Overview

Existing Environment

Contoso, Ltd. is a manufacturing company that has a main office in Chicago.

Requirements

Contoso plans to improve its IT development and operations processes implementing Azure DevOps principles. Contoso has an Azure subscription and creates an Azure DevOps organization.

The Azure DevOps organization includes:

- * The Docker extension
- * A deployment pool named Pool7 that contains 10 Azure virtual machines that run Windows Server 2016.

The Azure subscription contains an Azure Automation account.

Planned Changes

Contoso plans to create projects in Azure DevOps as shown in the following table.



Microsoft

Project name	Project details
Project 1	Project1 will provide support for incremental builds and third-party SDK components
Project 2	Project2 will use an automatic build policy. A small team of developers named Team2 will work independently on changes to the project. The Team2 members will not have permissions to Project2.
Project 3	Project3 will be integrated with SonarQube
Project 4	Project4 will provide support for a build pipeline that creates a Docker image and pushes the image to the Azure Container Registry. Project4 will use an existing Dockerfile.
Project 5	Project5 will contain a Git repository in Azure Reports and a continuous integration trigger that will initiate a build in response to any change except for changes within /folder1 of the repository.
Project 6	Project6 will provide support for build and deployment pipelines. Deployment will be allowed only if the number of current work items representing active software bugs is 0.
Project 7	Project7 will contain a target deployment group named Group7 that maps to Pool7. Project7 will use Azure Automation State Configuration to maintain the desired state of the computers in Group7.

Technical Requirements

Contoso identifies the following technical requirements:

- * Implement build agents for Project 1.
- * Whenever possible, use Azure resources
- * Avoid using deprecated technologies
- * Implement a code flow strategy for Project2 that will:
 - * Enable Team2 to submit pull requests for Project2.
 - * Enable Team2 to work independently on changes to a copy of Project2.
- * Ensure that any intermediary changes performed by Team2 on a copy of Project2 will be subject to the same restrictions as the ones defined in the build policy of Project2.
- * Whenever possible, implement automation and minimize administrative effort.
- * Implement Project3, Project5, Project6, and Project7 based on the planned changes.
- * Implement Project4 and configure the project to push Docker images to Azure Container Registry.

NEW QUESTION # 196

DRAG DROP

You are developing a full Microsoft .NET Framework solution that includes unit tests.

You need to configure SonarQube to perform a code quality validation of the C# code as part of the build pipelines.

Which four tasks should you perform in sequence? To answer, move the appropriate tasks from the list of tasks to the answer area and arrange them in the correct order.

Actions **Commands** **Cmdlets** **Statements**

Run Code Analysis

Visual Studio Test

Publish Build Artifacts

Visual Studio Build

Prepare Analysis Configuration

Answer Area

Answer:

Explanation:



Explanation

Prepare Analysis Configuration

Visual Studio Build

Visual Studio Test



Run Code Analysis

Step 1: Prepare Analysis Configuration

Prepare Analysis Configuration task, to configure all the required settings before executing the build.

This task is mandatory.

In case of .NET solutions or Java projects, it helps to integrate seamlessly with MSBuild, Maven and Gradle tasks.

Step 2: Visual Studio Build

Reorder the tasks to respect the following order:

Prepare Analysis Configuration task before any MSBuild or Visual Studio Build task.

Step 3: Visual Studio Test

Reorder the tasks to respect the following order:

Run Code Analysis task after the Visual Studio Test task.

Step 4: Run Code Analysis

Run Code Analysis task, to actually execute the analysis of the source code.

This task is not required for Maven or Gradle projects, because scanner will be run as part of the Maven/Gradle build.

Note:



References:

<https://docs.sonarqube.org/display/SCAN/Analyzing+with+SonarQube+Extension+for+VSTS-TFS>

NEW QUESTION # 197

You use Azure DevOps to manage the build and deployment of an app named App1.

You have a release pipeline that deploys a virtual machine named VM1.

You plan to monitor the release pipeline by using Azure Monitor

You need to create an alert to monitor the performance of VM1. The alert must be triggered when the average CPU usage exceeds 70 percent for five minutes. The alert must calculate the average once every minute.

How should you configure the alert rule? To answer, select the appropriate options in the answer area.

Answer Area

 Microsoft

Aggregation granularity (Period): 1 minute 5 minutes

Threshold value: Static Dynamic

Operator: Greater than Greater than or equal to Less than or equal to Less than

Answer:

Explanation:

Answer Area

 Microsoft

Aggregation granularity (Period): 1 minute 5 minutes

Threshold value: Static Dynamic

Operator: Greater than Greater than or equal to Less than or equal to Less than

Explanation

Answer Area

 Microsoft

Aggregation granularity (Period): 5 minutes

Threshold value: Static

Operator: Greater than

Box 1: 5 minutes

The alert must calculate the average once every minute.

Note: We [Microsoft] recommend choosing an Aggregation granularity (Period) that is larger than the Frequency of evaluation, to reduce the likelihood of missing the first evaluation of added time series Box 2: Static Box 3: Greater than Example, say you have an App Service plan for your website. You want to monitor CPU usage on multiple instances running your web site/app. You can do that using a metric alert rule as follows:

- * Target resource: myAppServicePlan
- * Metric: Percentage CPU
- * Condition Type: Static
- * Dimensions
- * Instance = InstanceName1, InstanceName2
- * Time Aggregation: Average
- * Period: Over the last 5 mins
- * Frequency: 1 min
- * Operator: GreaterThan
- * Threshold: 70
- * Like before, this rule monitors if the average CPU usage for the last 5 minutes exceeds 70%.
- * Aggregation granularity

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-metric-overview>

NEW QUESTION # 198

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