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Designing and Implementing Microsoft DevOps Solutions AZ-400 Exam Guide: Prepare for the certification exam and successfully apply Azure DevOps strategies with practical labs, 2nd Edition



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Exam AZ-400 Introduction, Mock AZ-400 Exam

These Designing and Implementing Microsoft DevOps Solutions (AZ-400) exam questions help applicants prepare well prior to entering the actual Designing and Implementing Microsoft DevOps Solutions (AZ-400) exam center. Due to our actual AZ-400 Exam Dumps, our valued customers always pass their Microsoft AZ-400 exam on the very first try hence, saving their precious time and money too.

The AZ-400 exam is a comprehensive exam that covers a wide range of topics related to DevOps. AZ-400 exam evaluates the candidate's ability to design and implement DevOps strategies, manage source code, build and deploy applications, and configure and manage infrastructure. AZ-400 Exam also tests the candidate's knowledge of continuous integration and delivery, monitoring and feedback, and security and compliance.

Microsoft Designing and Implementing Microsoft DevOps Solutions Sample Questions (Q75-Q80):

NEW QUESTION # 75

You have an Azure Kubernetes Service (AKS) cluster.

You need to deploy an application to the cluster by using Azure DevOps.


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

Actions	Answer Area
Create a service account in the cluster.	
Create a service principal in Azure Active Directory (Azure AD).	
Add an Azure Function App for Container task to the deployment pipeline.	
Add a Helm package and deploy a task to the deployment pipeline.	
Add a Docker Compose task to the deployment pipeline.	
Configure RBAC roles in the cluster.	

Answer:


Explanation:

Actions	Answer Area
Create a service account in the cluster.	Create a service principal in Azure Active Directory (Azure AD).
Create a service principal in Azure Active Directory (Azure AD).	Add a Helm package and deploy a task to the deployment pipeline.
Add an Azure Function App for Container task to the deployment pipeline.	Add a Docker Compose task to the deployment pipeline.
Add a Helm package and deploy a task to the deployment pipeline.	
Add a Docker Compose task to the deployment pipeline.	
Configure RBAC roles in the cluster.	



Explanation

Create a service principal in Azure Active Directory (Azure AD).
Add a Helm package and deploy a task to the deployment pipeline.
Add a Docker Compose task to the deployment pipeline.



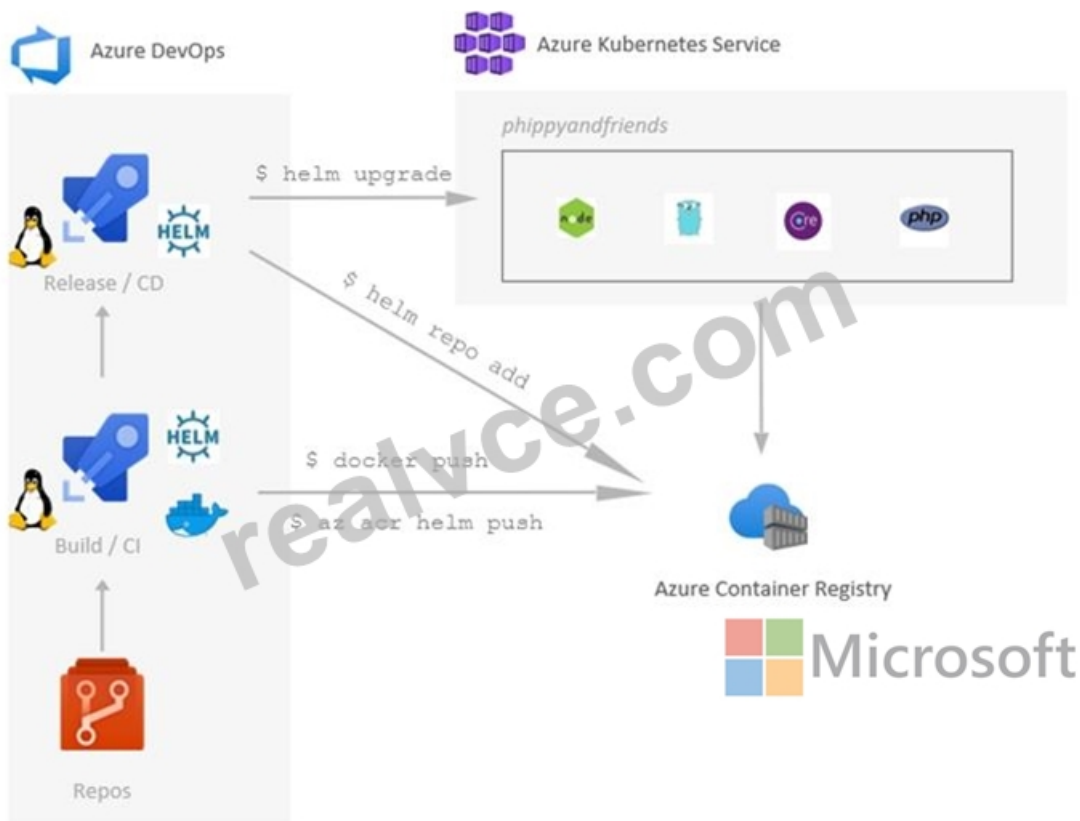
You can set up a CI/CD pipeline to deploy your apps on a Kubernetes cluster with Azure DevOps by leveraging a Linux agent, Docker, and Helm.

Step 1: Create a service principle in Azure Active Directory (Azure AD) We need to assign 3 specific service principals with specific Azure Roles that need to interact with our ACR and our AKS.

Create a specific Service Principal for our Azure DevOps pipelines to be able to push and pull images and charts of our ACR.

Create a specific Service Principal for our Azure DevOps pipelines to be able to deploy our application in our AKS.

Step 2: Add a Helm package and deploy a task to the deployment pipeline This is the DevOps workflow with containers:



Step 3: Add a Docker Compose task to the deployment pipeline.

Dockerfile file is a script leveraged by Docker, composed of various commands (instructions) and arguments listed successively to automatically perform actions on a base image in order to create a new Docker image by packaging the app.

Reference:

<https://cloudblogs.microsoft.com/opensource/2018/11/27/tutorial-azure-devops-setup-cicd-pipeline-kubernetes-d>

NEW QUESTION # 76

You need to recommend project metrics for dashboards in Azure DevOps.

Which chart widgets should you recommend for each metric? To answer, drag the appropriate chart widgets to the correct metrics. Each chart widget may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Chart Widgets

Answer Area

- Burndown
- Cycle Time
- Lead Time
- Velocity

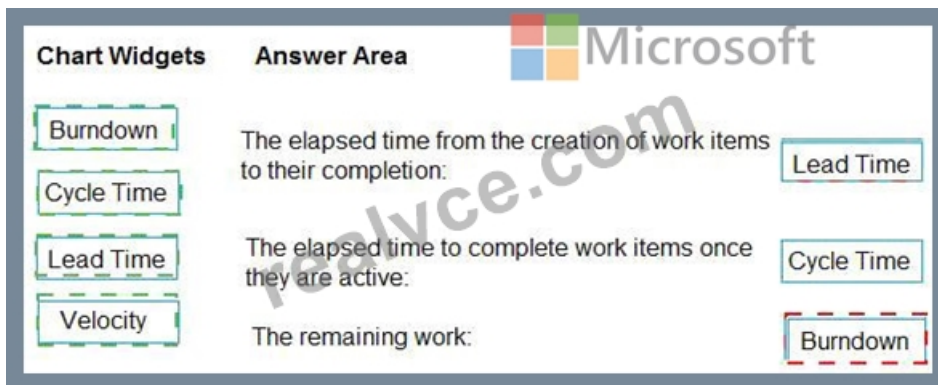
The elapsed time from the creation of work items to their completion:

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

The remaining work:

Answer:

Explanation:



Explanation

Answer Area Microsoft

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

Lead Time

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

Cycle Time

The remaining work:

Burndown

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 # 77

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

Answer:

Explanation:

see the answer below

Explanation:

1. Open Microsoft Azure Portal
2. Log into your Azure account and go to App Service and look under Monitoring then you will see Alert.
3. Select Add an alert rule
4. Configure the alert rule as per below and click Ok.

Source: Alert on Metrics

Resource Group: az400-9940427-main

Resource: az400-9940427-main

Threshold: 5

Period: Over the last 5 minutes

Webhook: https://contoso.com/notify

Add an alert rule

* Threshold ⓘ

1 bytes/second

* Period ⓘ

Over the last 5 minutes ▼

Email service and co-administrators ☐

Additional administrator email

Additional administrator email

Webhook ⓘ

HTTP or HTTPS endpoint to route alerts to

[Learn more about configuring webhooks](#)

OK

Microsoft

Reference:

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

NEW QUESTION # 78

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

Answer: A

Explanation:

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

NEW QUESTION # 79

You configure an Azure Application Insights availability test.

You need to notify the customer services department at your company by email when availability is degraded.

You create an Azure logic app that will handle the email and follow up actions.

Which type of trigger should you use to invoke the logic app?

- A. a Request trigger
- B. an ApiConnection trigger
- C. an HTTPWebhook trigger
- D. an HTTP trigger

Answer: C

Explanation:

You can use webhooks to route an Azure alert notification to other systems for post-processing or custom actions. You can use a webhook on an alert to route it to services that send SMS messages, to log bugs, to notify a team via chat or messaging services, or for various other actions.

Reference:

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

NEW QUESTION # 80

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