AZ-400 Q&As

Designing and Implementing Microsoft DevOps Solutions

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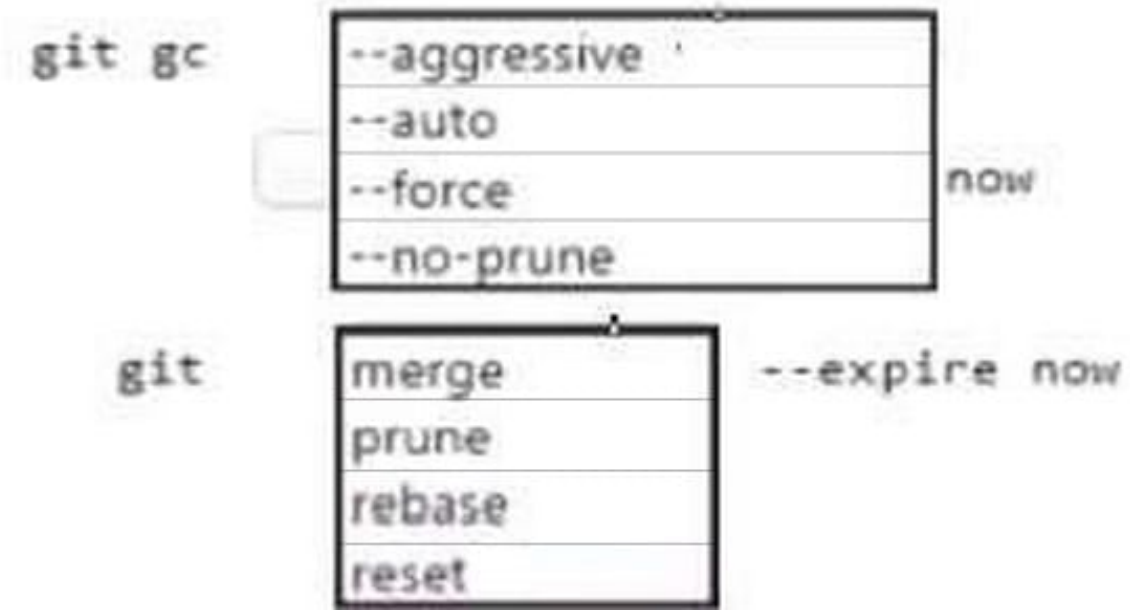
QUESTION 1

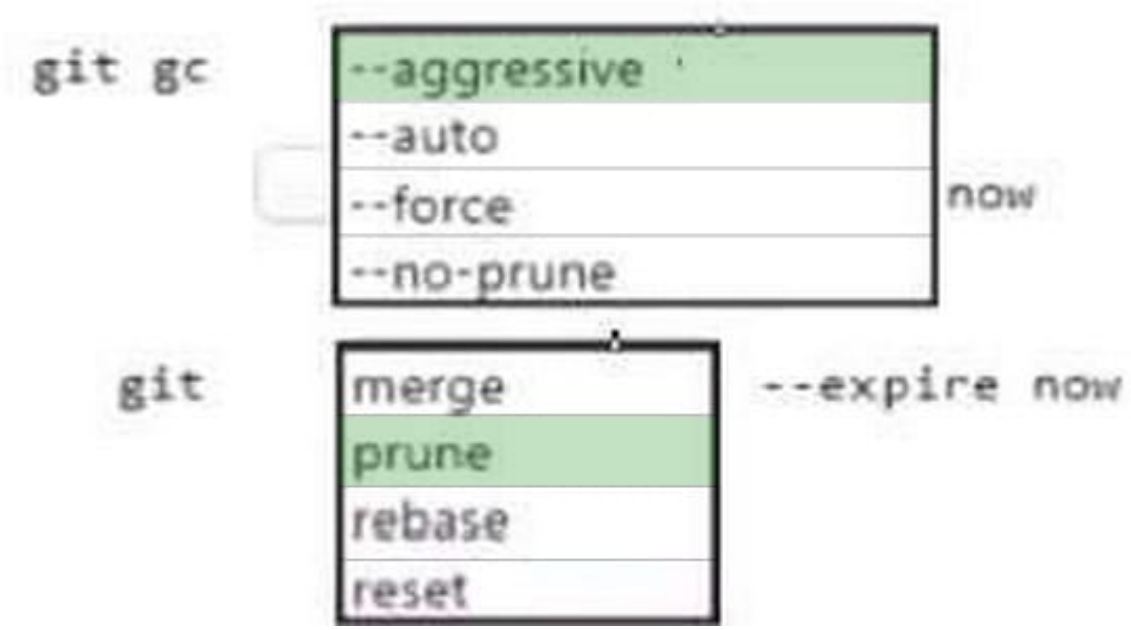
HOTSPOT

You manage the Git repository for a large enterprise application. You need to minimize the data size of the repository. How should you complete the commands? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



QUESTION 2

SIMULATION

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.

Correct Answer: See solution below.

QUESTION 3

You have an Azure subscription named Subscription1 that contains a custom Azure policy named Policy1. Policy1 is an audit policy that monitors naming convention compliance for the resources deployed to Subscription1.

You have a pipeline named Pipeline1 in Azure Pipelines. Pipeline1 deploys Azure Resource Manager (ARM) resources to Subscription1.

You need to ensure that the resources deployed by Pipeline1 comply with Policy1.

What should you add to Pipeline1?

A. a pre-deployment task that runs a security and compliance assessment

B. a post-deployment task that runs a security and compliance assessment

C. an ARM template deployment task to assign Policy1 to Subscription1

D. an ARM template deployment task to deploy Policy1 to Subscription1

Correct Answer: A

QUESTION 4

DRAG DROP

You are defining release strategies for two applications as shown in the following table.

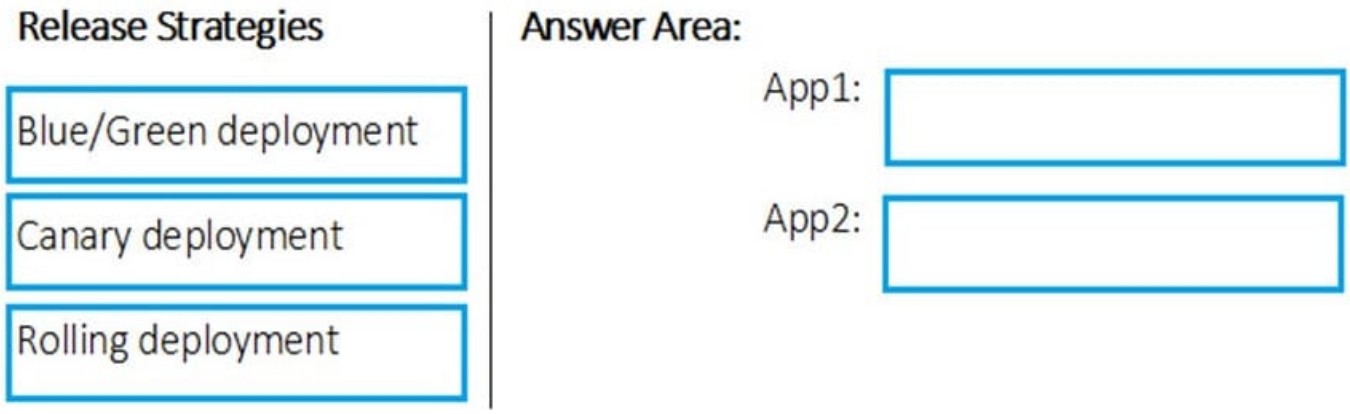
Application name	Goal
App1	Failure of App1 has a major impact on your company. You need a small group of users, who opted in to a testing App1, to test new releases of the application.
App2	You need to minimize the time it takes to deploy new releases of App2, and you must be able to roll back as quickly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

Which release strategy should you use for each application? To answer, drag the appropriate release strategies to the correct applications. Each release strategy may be used once, more than once, or not at all. You may need to drag the

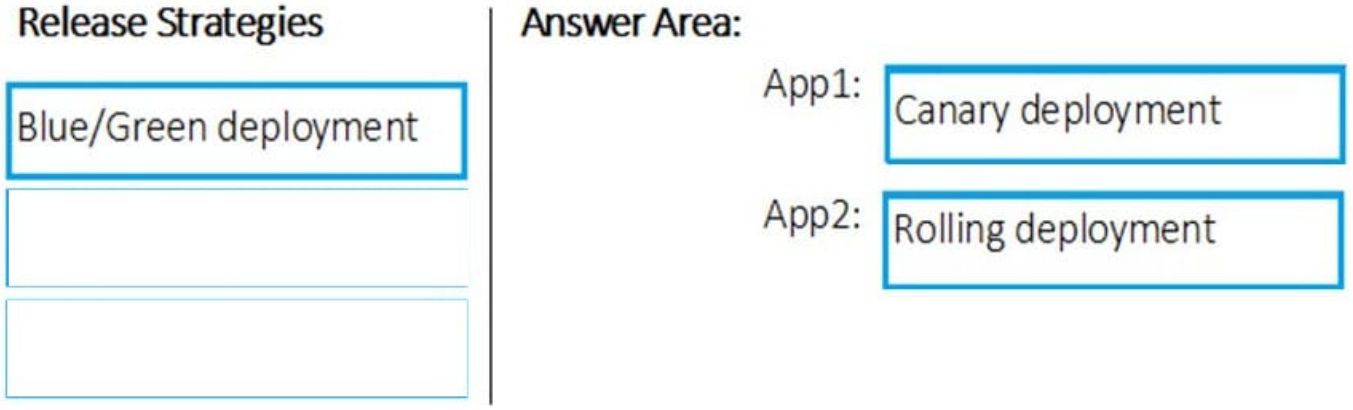
split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:



App1: Canary deployment

With canary deployment, you deploy a new application code in a small part of the production infrastructure. Once the application is signed off for release, only a few users are routed to it. This minimizes any impact.

With no errors reported, the new version can gradually roll out to the rest of the infrastructure.

App2: Rolling deployment:

In a rolling deployment, an application\\'s new version gradually replaces the old one. The actual deployment happens over a period of time. During that time, new and old versions will coexist without affecting functionality or user experience.

This process makes it easier to roll back any new component incompatible with the old components.

Incorrect Answers:

Blue/Green deployment

A blue/green deployment is a change management strategy for releasing software code. Blue/green deployments, which may also be referred to as A/B deployments require two identical hardware environments that are configured exactly the

same way. While one environment is active and serving end users, the other environment remains idle.

Blue/green deployments are often used for consumer-facing applications and applications with critical uptime requirements. New code is released to the inactive environment, where it is thoroughly tested. Once the code has been vetted, the

team makes the idle environment active, typically by adjusting a router configuration to redirect application program traffic. The process reverses when the next software iteration is ready for release.

References:

https://dev.to/mostlyjason/intro-to-deployment-strategies-blue-green-canary-and-more-3a3

QUESTION 5

DRAG DROP

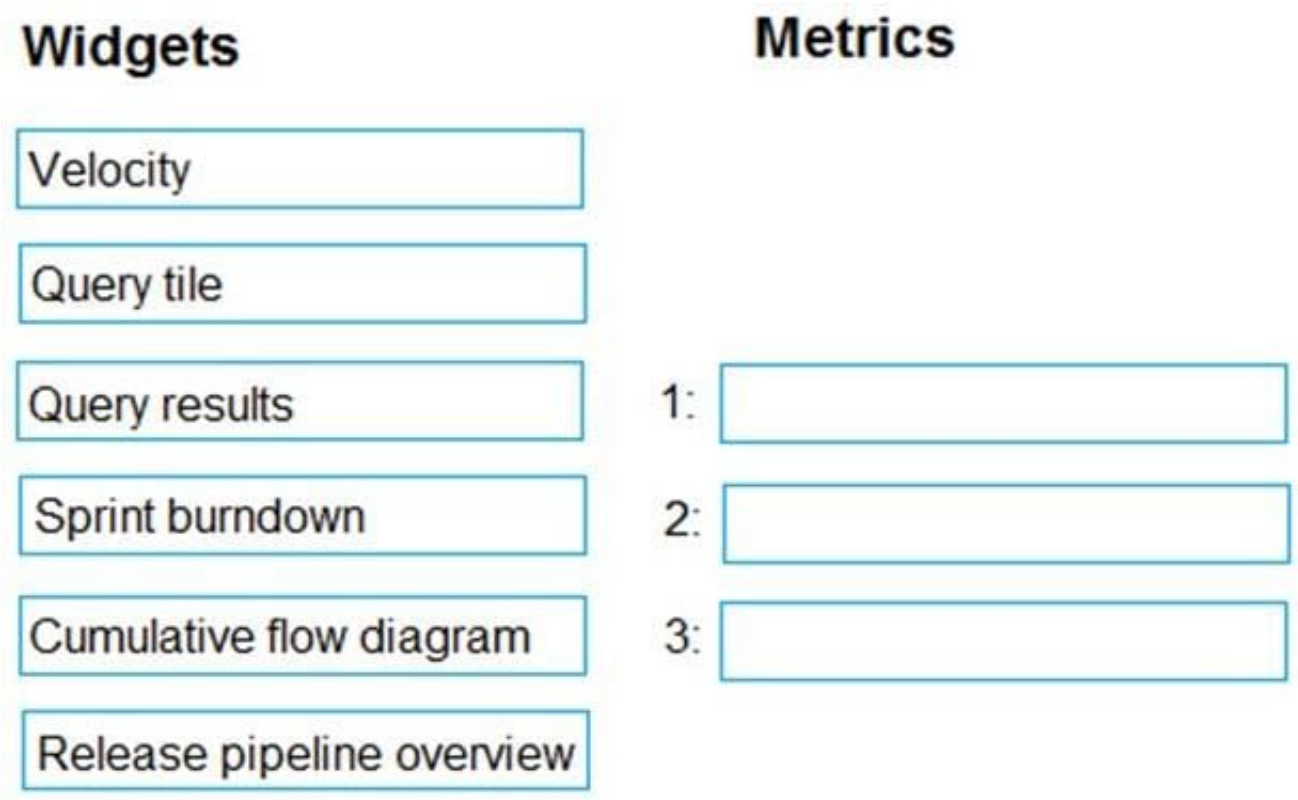
You are configuring the Azure DevOps dashboard. The solution must meet the technical requirements.

Which widget should you use for each metric? To answer, drag the appropriate widgets to the correct metrics. Each 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

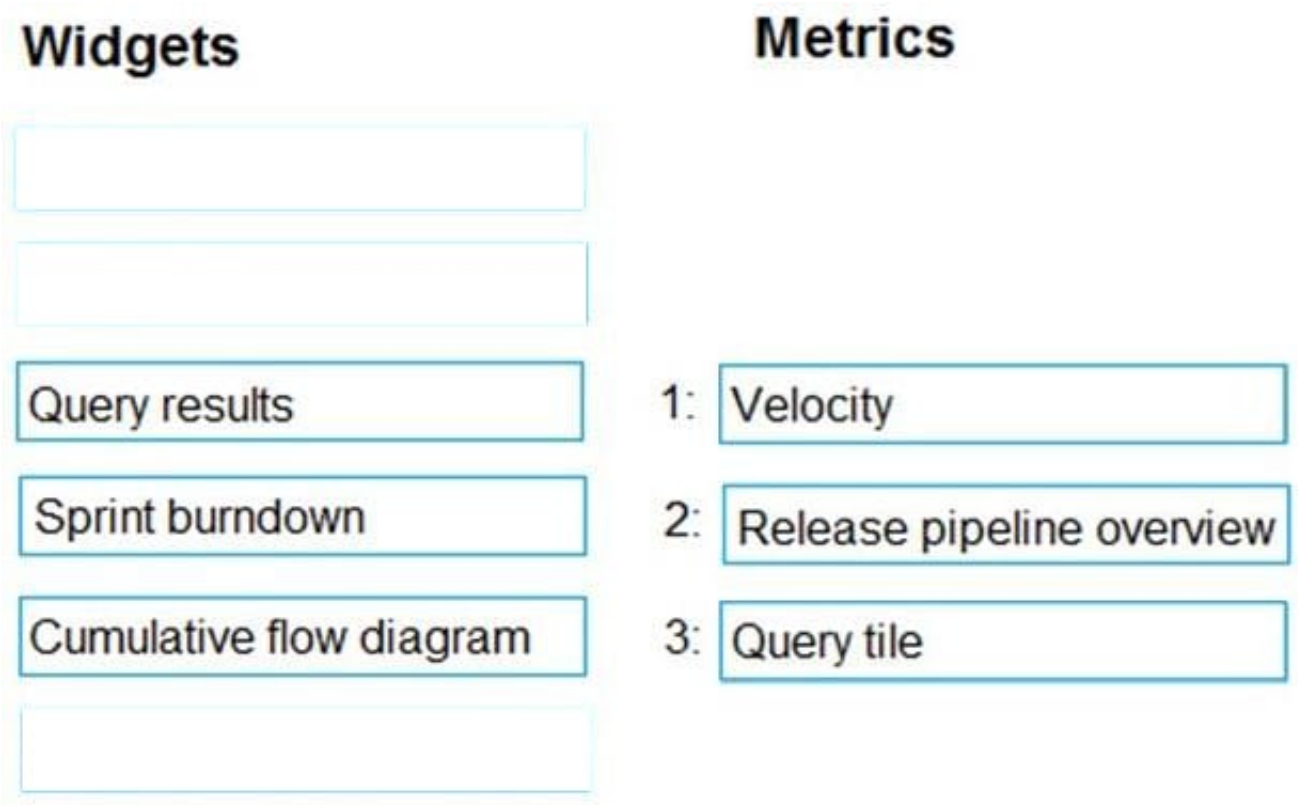
content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:



Box 1: Velocity

Velocity displays your team velocity. It shows what your team delivered as compared to plan.

Box 2: Release pipeline overview

Release pipeline overview shows the status of environments in a release definition.

Box 3: Query tile

Query tile displays the total number of results from a query.

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