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Let me introduce our AZ-400 study guide to you in some aspects. First of all, there are three versions of AZ-400 guide quiz. You can choose the most suitable version based on your own schedule. PC version, PDF version and APP version, these three versions of AZ-400 Exam Materials have their own characteristics you can definitely find the right one for you. Secondly, you can find that our price of the AZ-400 learning braindumps is quite favorable. And some times, we will give discounts for them.

To prepare for the Microsoft AZ-400 Exam, candidates should have a strong understanding of DevOps concepts and experience using Microsoft Azure technologies. Microsoft offers several resources to help candidates prepare for the exam, including online courses, practice exams, and study guides. Candidates can also find many third-party resources, such as books and study groups, to help them prepare for the exam.

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The Microsoft AZ-400 Exam Tests candidates on their ability to design and implement DevOps practices for different scenarios, including cloud-native applications, hybrid environments, and on-premises systems. It evaluates their proficiency in using various Azure tools and services, such as Azure DevOps, Azure App Service, Azure Kubernetes Service, Azure Container Instances, Azure Functions, and Azure Monitor. It also assesses their knowledge of industry-standard DevOps practices and frameworks, such as Agile, Scrum, Kanban, and Lean.

Microsoft Designing and Implementing Microsoft DevOps Solutions Sample Questions (Q548-Q553):

NEW QUESTION # 548

You use Azure Pipelines to manage the build and deployment of apps.

You are planning the release strategies for a new app. You need to choose strategies for the following scenarios:

- * Releases will be made available to users who are grouped by their tolerance for software faults.
- * Code will be deployed to enable functionality that will be available in later releases of the app.
- * When a new release occurs, the existing deployment will remain active to minimize recovery time if a return to the previous version is required.

Answer Area

Releases will be made available to users who are grouped by their tolerance for software faults:

Code will be deployed to enable functionality that will be available in later releases of the app:

When a new release occurs, the existing deployment will remain active to minimize recovery time if a return to the previous version is required:

Progressive exposure
Blue/green
Feature flags

Progressive exposure
Blue/green
Feature flags

Progressive exposure
Blue/green
Feature flags

Answer:

Explanation:

Answer Area

Releases will be made available to users who are grouped by their tolerance for software faults:

Code will be deployed to enable functionality that will be available in later releases of the app:

When a new release occurs, the existing deployment will remain active to minimize recovery time if a return to the previous version is required:

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Progressive exposure
Blue/green
Feature flags

Progressive exposure
Blue/green
Feature flags

Explanation

Answer Area

Releases will be made available to users who are grouped by their tolerance for software faults:

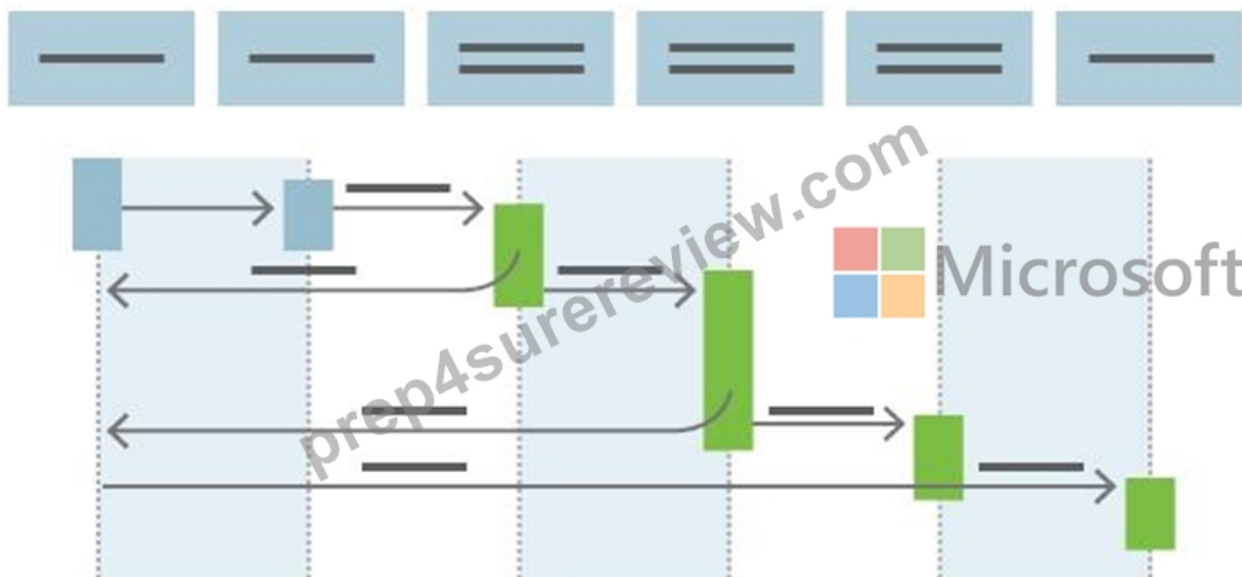
Code will be deployed to enable functionality that will be available in later releases of the app:

When a new release occurs, the existing deployment will remain active to minimize recovery time if a return to the previous version is required:

Progressive exposure
Feature flags
Blue/green

Box 1: Progressive exposure

Continuous Delivery may sequence multiple deployment "rings" for progressive exposure (also known as "controlling the blast radius"). Progressive exposure groups users who get to try new releases to monitor their experience in "rings." The first deployment ring is often a "canary" used to test new versions in production before a broader rollout. CD automates deployment from one ring to the next and may optionally depend on an approval step, in which a decision maker signs off on the changes electronically. CD may create an auditable record of the approval in order to satisfy regulatory procedures or other control objectives.



Box 2: Feature flags

Feature flags support a customer-first DevOps mindset, to enable (expose) and disable (hide) features in a solution, even before they are complete and ready for release.

Box 3: Blue/green

Blue/green deployments which means that instead of replacing the previous version (here we refer to this version as blue), we bring up the new version (here referred to as the green version) next to the existing version, but not expose it to the actual users right away. On the condition of having successfully validated that the green version works correctly, we will promote this version to the public version by changing the routing configuration without downtime. If something is wrong with the green version we can revert back without users every noticing interruptions.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/learn/what-is-continuous-delivery>

<https://docs.microsoft.com/en-us/azure/devops/migrate/phase-features-with-feature-flags>

<https://medium.com/@denniszielke/continuous-kubernetes-blue-green-deployments-on-azure-using-nginx-appga>

NEW QUESTION # 549

You have a private GitHub repository.

You need to display the commit status of the repository on Azure Boards.

What should you do first?

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

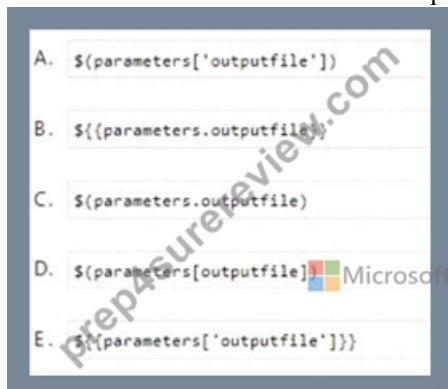
Answer: B

NEW QUESTION # 550

You are designing a YAML template for use with Azure Pipelines. The template Will include the Outputfile parameter.

Which two methods can you use to reference the parameter? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.



- **A. Option C**
- B. Option B
- **C. Option D**
- D. Option A
- E. Option E

Answer: A,C

NEW QUESTION # 551

You plan to implement a CI/CD strategy for an Azure Web App named az400-11566895-main.

You need to configure a staging environment for az400-11566895-main.

To complete this task, sign in to the Microsoft Azure portal.

Answer:

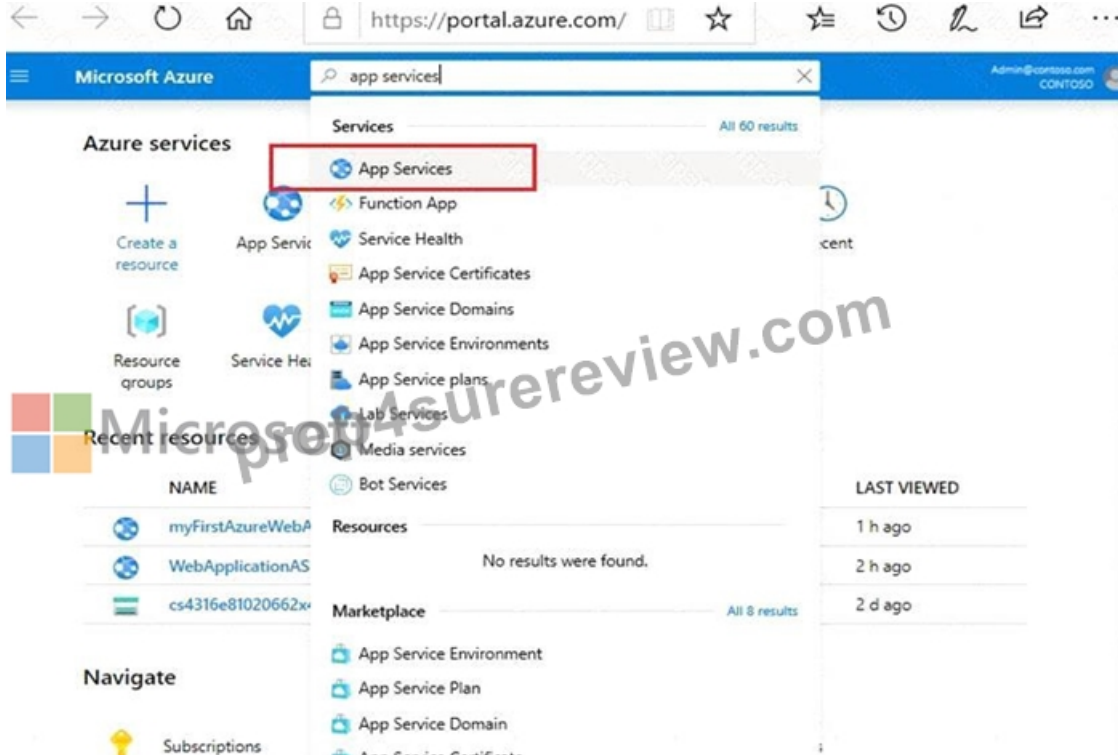
Explanation:

See solution below.

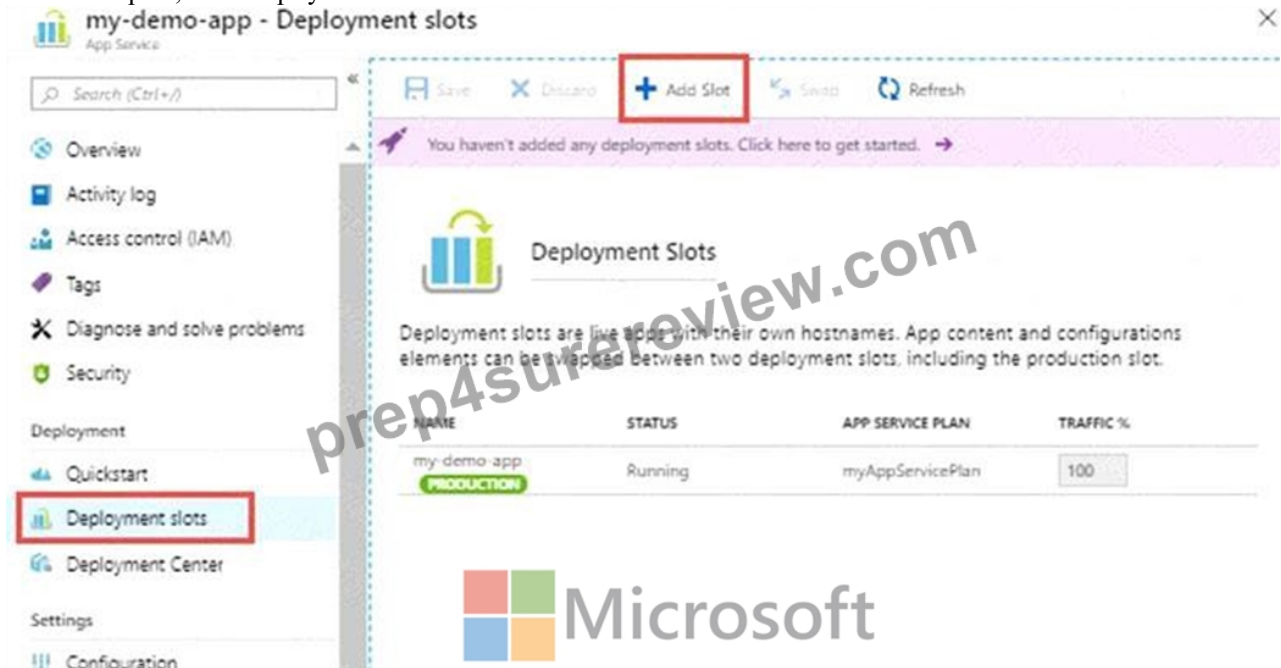
Explanation

Add a slot

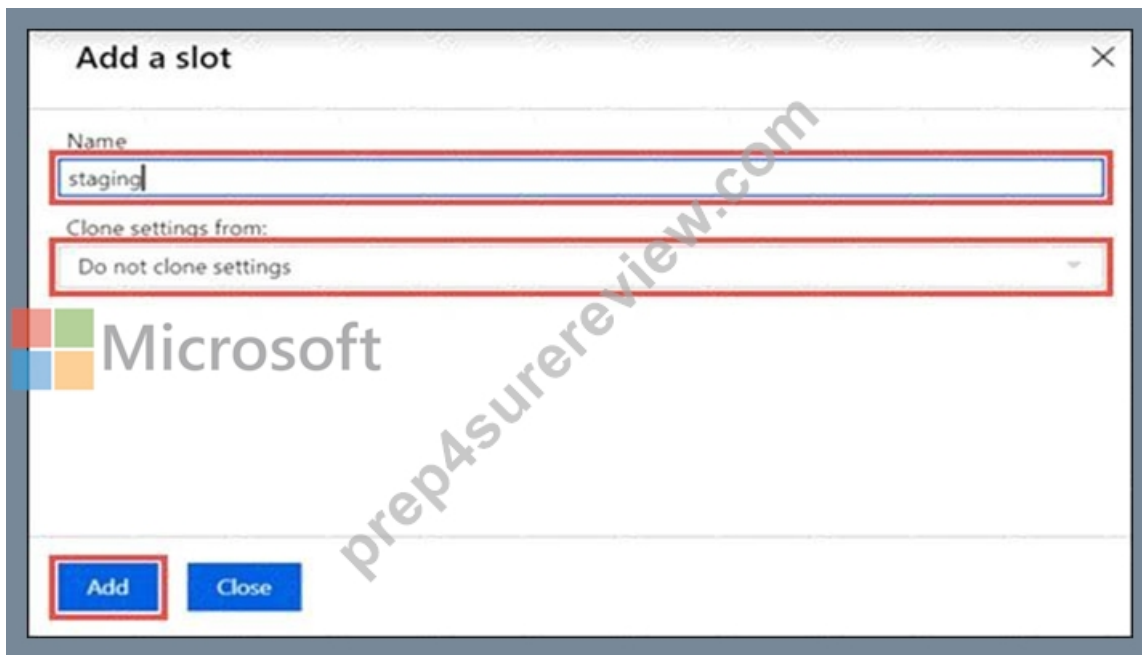
1. In the Azure portal, search for and select App Services and select your app az400-11566895-main.



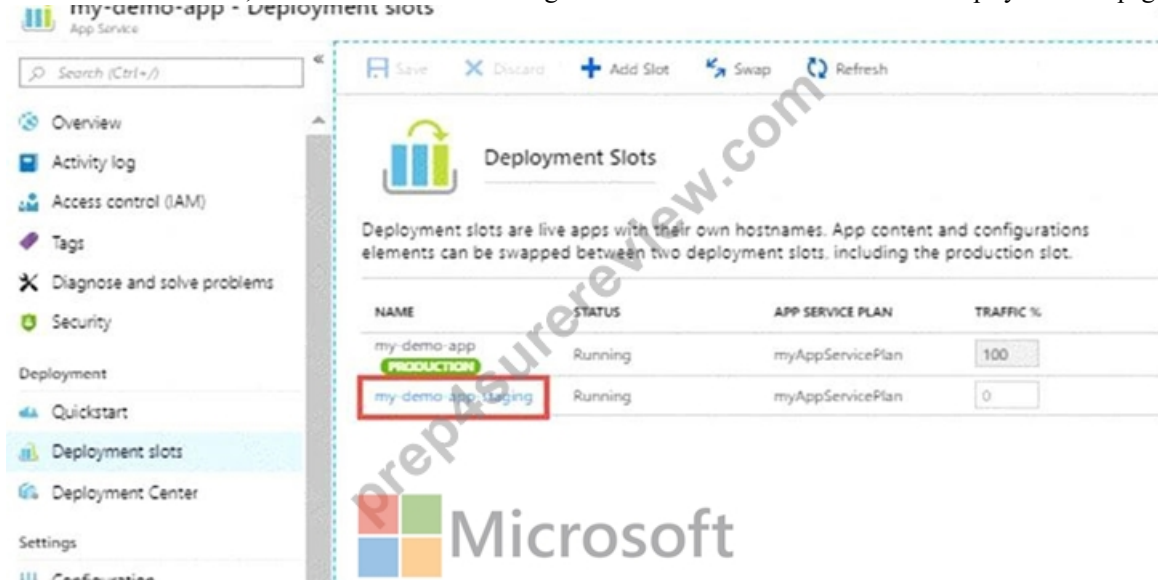
2. In the left pane, select Deployment slots > Add Slot.



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.



Reference:

<https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots>

NEW QUESTION # 552

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 type 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.

Microsoft

Branch lifetime: ▼

Long-lived

Short-lived

Branch type: ▼

Master

Feature

Integration

Answer:

Explanation:

Microsoft

Branch lifetime: ▼

Long-lived

Short-lived

Branch type: ▼

Master

Feature

Integration

Explanation

Microsoft

Branch lifetime: ▼

Long-lived

Short-lived

Branch type: ▼

Master

Feature

Integration

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 # 553

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