300-910 ^{Q&As}

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Implementing DevOps Solutions and Practices using Cisco Platforms (DEVOPS)

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QUESTION 1

What is as responsibility for teams running private cloud servers that is less of a concern when running in the public cloud?

A. cost

B. metrics and monitoring

C. hardware maintenance

D. credentials management

Correct Answer: D

The responsibility of credentials management is less of a concern when running in the public cloud. This is because the public cloud provider typically manages the credentials and handles authentication and authorization for the cloud services. In a private cloud environment, the organization must manage the credentials themselves, as well as authentication and authorization for the cloud services. References: Cisco Implementing DevOps Solutions and Practices using Cisco Platforms (DEVOPS) Study Manual, Chapter 2, Section 2.1: Cloud Computing Models, Page 14-15.

QUESTION 2

What is a practice of infrastructure as code?

A. Use multiple version control systems

B. Document as much as possible

C. Configure the deployment consistently

D. Test, integrate, and deploy once a day

Correct Answer: C

QUESTION 3

How does eliminating hardcoded or default passwords help to secure an environment?

A. helps by enforcing your password in a repository and storing it in a secure vault

B. helps to manage passwords centrally

C. helps penetration testing team to focus on other issues more efficiently

D. helps by removing back doors in your environments

Correct Answer: A

https://www.beyondtrust.com/resources/glossary/hardcoded-embedded-passwords

QUESTION 4

DRAG DROP

The IaC configuration for an application is being deployed using a CI/CD pipeline. Drag and drop the steps for this pipeline from the left into the correct order that they would be executed on the right. Not all options are used.

Select and Place:

Answer Area

Integration test of the most recent configurations is performed.	step 1
The CI tool is notified of an update.	step 2
The code repository is updated by a user.	step 3
The pipeline notifies the repository to run tests.	step 4
The configuration changes are pushed to devices.	

Correct Answer:

Answer Area

Integration test of the most recent configurations is performed.	The code repository is updated by a user.
	The CI tool is notified of an update.
	The pipeline notifies the repository to run tests.
	The configuration changes are pushed to devices.

QUESTION 5

A development team uses Kubernetes for application development. Any changes on ConfigMap are performed manually for each development, test, and production environment. The edits are performed to deploy applications. This approach causes inconsistent deployments across all environments.

Which practice improves the consistency of the deployments?

A. Implement environment variables within the ConfigMaps and store the variable definitions separately from the master branch where the ConfigMaps are stored

B. Generate the ConfigMaps specific to the environment by using a templating language such as Jinja2 and store the ConfigMaps in unique branches of a repository

C. In the master branch where the ConfigMaps are stored, create a branch for each environment that contains an environment-specific ConfigMap.

D. Create a unique repository for each environment that contains ConfigMaps for that environment to ensure that each environment can be deployed independently

Correct Answer: A

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