



300-910^{Q&As}

Implementing DevOps Solutions and Practices using Cisco Platforms
(DEVOPS)

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QUESTION 1

Which Kubernetes object ensures that each node is limited to running no more than one pod?

- A. UniCast
- B. Deployment
- C. DaemonSet
- D. ReplicaSet

Correct Answer: C

QUESTION 2

An interface on a router as a Layer 3 link has been configured to another device by updating an Ansible playbook that is executed via a CI/CD pipeline. The Ansible playbook was written to push the configuration change using the `ios_config` module.

Which automated test validates that the interface is functioning as it should?

- A. Add a pipeline step that runs the playbook a second type. If it does not modify the device on the second run, then the interface is correctly configured.
- B. Automated testing is already built in because the playbook execution is successful only after Ansible validates that it applied the change.
- C. Add a pipeline step that captures and parses the packet flow for the interface.
- D. Add a pipeline step that captures and parses the `show ip` interface output so that the operational state can be referenced.

Correct Answer: D

Adding a pipeline step that captures and parses the `show ip` interface output so that the operational state can be referenced is the best way to validate that the interface is functioning as it should. This can be done by using the `ioscommand` module to capture the output of the `show ip` interface command, and then using the `iosparse` module to parse the output and extract the relevant interface information. The `ios_parse` module allows you to validate the interface state, to ensure that it is up and running as expected.

Reference:

Cisco Implementing DevOps Solutions and Practices using Cisco Platforms (DEVOPS) Study Manual, Chapter 6, Section 6.3.6.

QUESTION 3

An application for storing and categorizing has been developed. The application uses dual- factor authentication for user access. After authentication, users can upload sensitive data. The application has been hacked through system exploits and most of the saved data has been lost.



Which action prevents new security threats in the environment?

- A. Use self-developed algorithms for encryption
- B. Install virtual firewalls
- C. Actively change the ISP provider
- D. Apply all the latest patches and updates

Correct Answer: D

QUESTION 4

Which method is a safe way to provide a username/password combination to an application running as a service in a Docker container?

- A. encode the value with base64 in a secure DNS CTEXT entry
- B. as an environment variable in the Dockerfile
- C. Docker environment variable
- D. Docker secrets

Correct Answer: D

a docker secret is a blob of data, such as a password, SSH private key, SSL certificate, or another piece of data that should not be transmitted over a network or stored unencrypted in a Dockerfile or in your application's source code

QUESTION 5

Which two elements help to secure your API keys? (Choose two.)

- A. randomness
- B. SHA1
- C. triple AES
- D. rotation
- E. dictionary

Correct Answer: AC

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