

## 300-910 Dumps

# Implementing DevOps Solutions and Practices using Cisco Platforms (DEVOPS)

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**NEW QUESTION 1**

A CI/CD pipeline that builds infrastructure components using Terraform must be designed. A step in the pipeline is needed that checks for errors in any of the .tf files in the working directory. It also checks the existing state of the defined infrastructure. Which command does the pipeline run to accomplish this goal?

- A. terraform plan
- B. terraform check
- C. terraform fmt
- D. terraform validate

**Answer: D**

**NEW QUESTION 2**

Which description of a canary deployment is true?

- A. deployment by accident
- B. deployment that is rolled back automatically after a configurable amount of minutes
- C. deployment relating to data mining development
- D. deployment to a limited set of servers or users

**Answer: D**

**NEW QUESTION 3**

```

1 ...
2 >>> response = requests.get(
3 ...     f'http://mydnacenter.local/dna/intent/api/v1/network-device/ip-address/{device_ip}',
4 ...     headers = {
5 ...         'Content-type' = 'application/json'
6 ...     }
7 ... )
8
9 Traceback (most recent call last):
10   File "<stdin>", line 1, in <module>
11 NameError: name 'requests' is not defined

```

Refer to the exhibit. What is causing the requests code to fail?

- A. Python3 is not compatible with requests.
- B. The requests library is not imported.
- C. The requests library is not installed.
- D. The requests coming into stdin fail because device\_ip cannot be parsed.

**Answer: B**

**NEW QUESTION 4**

A DevOps engineering wants to build an application implementation based on the CI/CD pipeline model. Which service should be used to provide hosted continuous service for open and private projects?

- A. Ansible
- B. pyATS
- C. Genie CLI
- D. Travis CI

**Answer: D**

**NEW QUESTION 5**

A DevOps engineer has built a new container and must open port 8080 for intercontainer communication. Which command must be added in a Dockerfile to accomplish this goal?

- A. EXPOSE 8080
- B. FIREWALL ADD-PORT 8080
- C. PORT 8080
- D. OPEN PORT 8080

**Answer: A**

**NEW QUESTION 6**

ConfigMap keys have been mapped to different file names using the volumes.configMap.items field. What is the result if a wrong ConfigMap key is specified?

- A. The default path is not used.
- B. The volume is not created.
- C. The volume is created.
- D. The volume is created with errors.

**Answer: A**

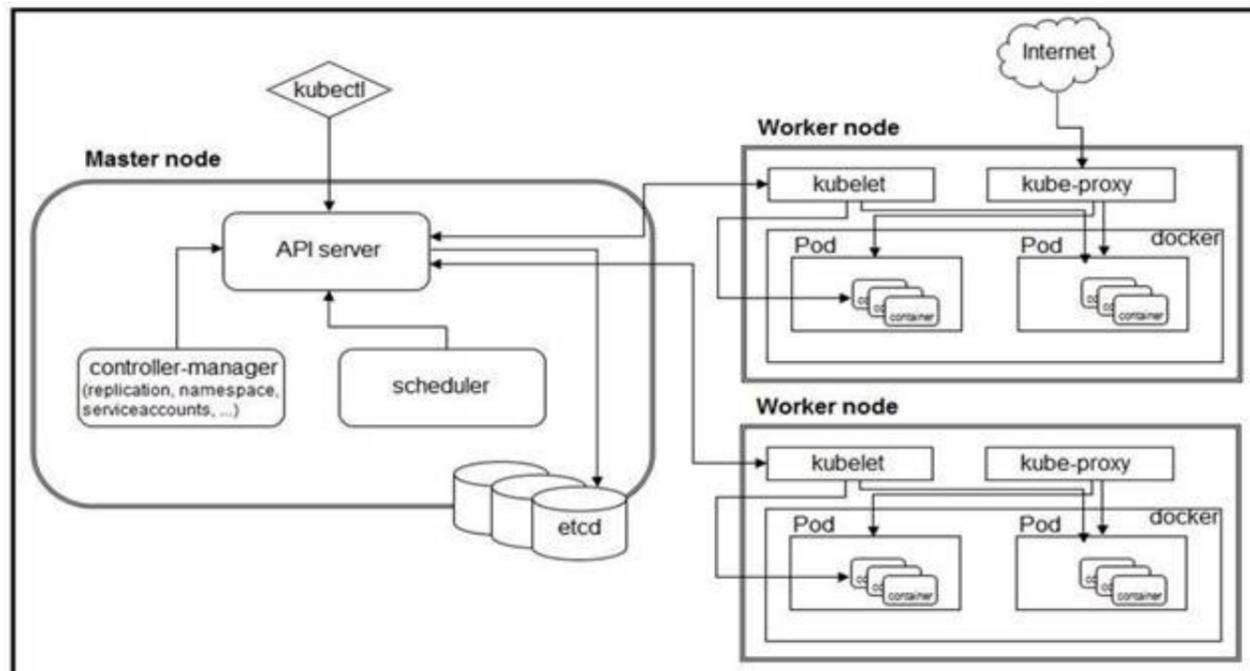
**NEW QUESTION 7**

What are two benefits of Infrastructure as Code? (Choose two.)

- A. It enables continuous integration.
- B. It allows for management control.
- C. It ensures consistency.
- D. It improves application monitoring.
- E. It reduces risk.

**Answer:** CE

**NEW QUESTION 8**



Refer to the exhibit. A developer needs to scale the existing pods within the worked nodes. Which object should be edited to achieve this goal?

- A. ReplicaSet
- B. PriorityClass
- C. Deployment
- D. Pod

**Answer:** A

**NEW QUESTION 9**

A user wants to deploy a new service to a Kubernetes cluster. Which two commands accomplish this goal? (Choose two.)

- A. Apply
- B. Install
- C. Deploy
- D. Create
- E. Expose

**Answer:** AE

**NEW QUESTION 10**

A developer wants to deploy a highly available web server cluster and decides to put a load balancer in front of multiple clustered nodes that run the same web service. The goal is for the load balancer to take in users and distribute the load across the whole cluster. What kind of high-availability configuration is the developer running?

- A. active
- B. passive
- C. active-passive
- D. active-active

**Answer:** C

**NEW QUESTION 10**

A developer has created a deployment that should launch a pod to run their database service. The pod should launch with a metadata name of "Cisco-DB," and the developer has added it to the "Cisco" namespace in their deployment. Which Kubernetes command confirms that the service is running and usable?

- A. `kubectl -n Cisco get services | grep "Cisco-DB"`
- B. `kubectl -n Cisco get pods | grep "Cisco-DB"`
- C. `kubectl get pods | grep "Cisco-DB"`
- D. `kubectl -n Cisco get service | grep "Cisco-DB"`

**Answer:** C

**NEW QUESTION 15**

Which interface is most commonly used to integrate logging, monitoring, and alerting applications into your CI/CD pipeline?

- A. AMQP
- B. SNMP
- C. SSH
- D. REST

**Answer: C**

**NEW QUESTION 19**

An end user is seeing long web page load times on the internal business application that they are trying to view. The user is seeing this issue across multiple web browsers, and other users encounter the same issue. Which action should the system administrator take to start looking for the cause of this issue?

- A. Check to make sure Nginx is running.
- B. Check for response times in Nginx logs.
- C. Check to make sure the web API response is coming back in JSON.
- D. Check the size of the database that the application is using.

**Answer: B**

**NEW QUESTION 23**

Which type of security testing should be performed as a part of a CI/CD pipeline by analyzing the source code itself without compiling the code into a running executable?

- A. Dynamic Application Security Testing
- B. Runtime Application Health-Protection
- C. Continuous Application Security Testing
- D. Static Analysis Security Testing

**Answer: D**

**NEW QUESTION 26**

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

**Answer: A**

**NEW QUESTION 28**

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

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

**Answer: AC**

**NEW QUESTION 29**

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