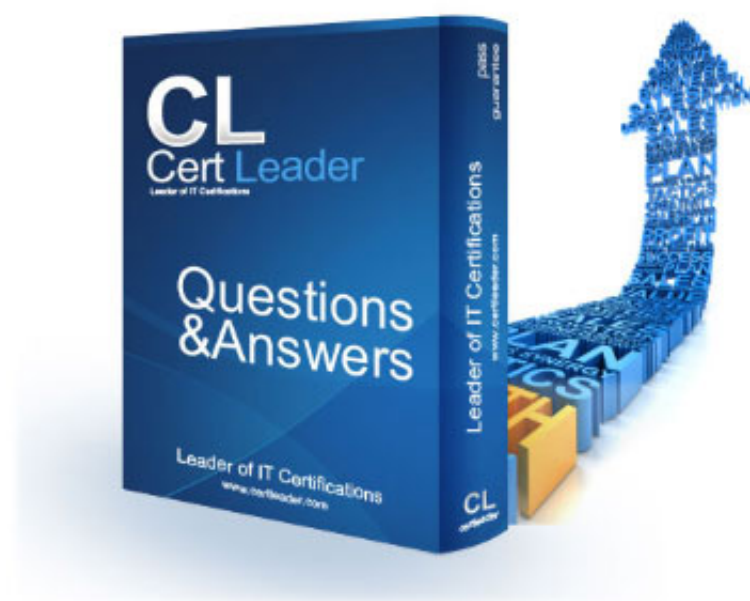


300-910 Dumps

Implementing DevOps Solutions and Practices using Cisco Platforms (DEVOPS)

<https://www.certleader.com/300-910-dumps.html>



NEW QUESTION 1

A DevOps engineer must validate the working state of the network before implementing a CI/CD pipeline model. Which configuration management tool is designed to accomplish this?

- A. Jenkins
- B. Genie CLI
- C. Travis CI
- D. Python YAML data libraries

Answer: A

NEW QUESTION 2

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 3

	Build Command
<pre>#!/bin/bash # apt-get -y install python3-pip # pip install --upgrade pip rm -rf automationSandboxTest true git clone https://github.com/oborys/automationSanboxTest.git export SEARCHPATH="\$PWD/automationSanboxTest/" for k in \$(cat \$SEARCHPATH/requiriements.txt cut -d '>' -f 1 cut -d '<' -f 1 cut -d '=' -f 1 do python -m pip install \$k done echo for k in \$(find \$SEARCHPATH -name *.py) do echo > msg.txt python \$k > /dev/null 2> msg.txt true export CODE=\$(grep -c ^ msg.txt) if [\$CODE != 0] then echo "File: \$k" >> error.message.txt cat msg.txt >> error_message.txt echo >> error.message.txt fi done rm -rf msg.txt true cat error_message.txt if [\$(cat error_message.txt wc -l) != 0] then exit 1 fi</pre>	

Refer to the exhibit. How should the Jenkins job be troubleshooted based on the error provided?

- A. Verify what the responding file created.
- B. Update pip.
- C. Install dependencies.
- D. Place the code in a container and run the job again.

Answer: A

NEW QUESTION 4

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 5

Which two actions help limit the attack surface of your Docker container? (Choose two.)

- A. Run only a single service in each container.
- B. Run all services in a single image.

- C. Use version tags for base images and dependencies.
- D. Use Kali Linux as a base image.
- E. Download images over HTTPS supporting sites.

Answer: CE

NEW QUESTION 6

Which Docker command is used to start an interactive Bash shell in a running container named “test”?

- A. docker attach -it test /bin/bash
- B. docker run -it test /bin/bash
- C. docker exec -it test /bin/bash
- D. docker run test /bin/bash

Answer: C

NEW QUESTION 7

A company has experienced serious growth and the hosted applications are getting more and more hits. Based on the increased work load, applications have started to show signs of reduced performance, which is affecting the user experience.

Which two server metrics should be tracked to ensure that the customer experience remains within acceptable limits? (Choose two.)

- A. application feature sprawl
- B. CPU peak usage
- C. CPU average usage
- D. microservices count
- E. CPU frequency

Answer: BC

NEW QUESTION 8

What is the purpose of using a build tool in software development?

- A. It compiles source code into binaries and executables.
- B. It provides a way to edit source code using a graphical interface.
- C. It is a manual process that is followed to build software.
- D. It tracks bugs and incidents in a built application.

Answer: A

NEW QUESTION 9

```
Traceback (most recent call last):  
  File "api-call.py", line 1, in <module>  
    import requests  
  File "/Users/devnet/venv/devops/lib/python3.7/site-packages/requests/_init_.py", line 43, in <module>  
    import urllib3  
ModuleNotFoundError: No Module named 'urllib3'
```

Refer to the exhibit. What is the reason for this error message?

- A. The required dependencies for the urllib3 module are not installed.
- B. The requests module is not installed.
- C. The required dependencies for the requests module are not installed.
- D. The site-packages directory has been corrupted.

Answer: B

NEW QUESTION 10

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 10

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 12

```
---
kind: pipeline
name: test1
platform:
  os: linux
  arch: amd64
steps:
- name: test
  image: postgres:9-alpine
  commands:
  - sleep 10
  - psql -U postgres -d test -h database -c "SELECT version();"
services:
- name: database
  image: postgres
  environment:
    POSTGRES_DB: test
    POSTGRES_USER: postgres
---
kind: pipeline
name: test2
platform:
  os: linux
  arch: amd64
steps:
- name: test
  image: postgres:9-alpine
  commands:
  - sleep 10
  - psql -U postgres -d test -h database -c "SELECT version();"
services:
- name: database
  image: postgres
  environment:
    POSTGRES_DB: test
    POSTGRES_USER: postgres
```

Refer to the exhibit. What is the user doing with Drone in this automated test?

- A. testing Alpine Linux versus Ubuntu Linux
- B. testing a PostgreSQL DB against multiple architectures
- C. testing only the amd64 architecture
- D. testing PostgreSQL deployment in an Alpine Linux VM

Answer: D

NEW QUESTION 13

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

Answer: B

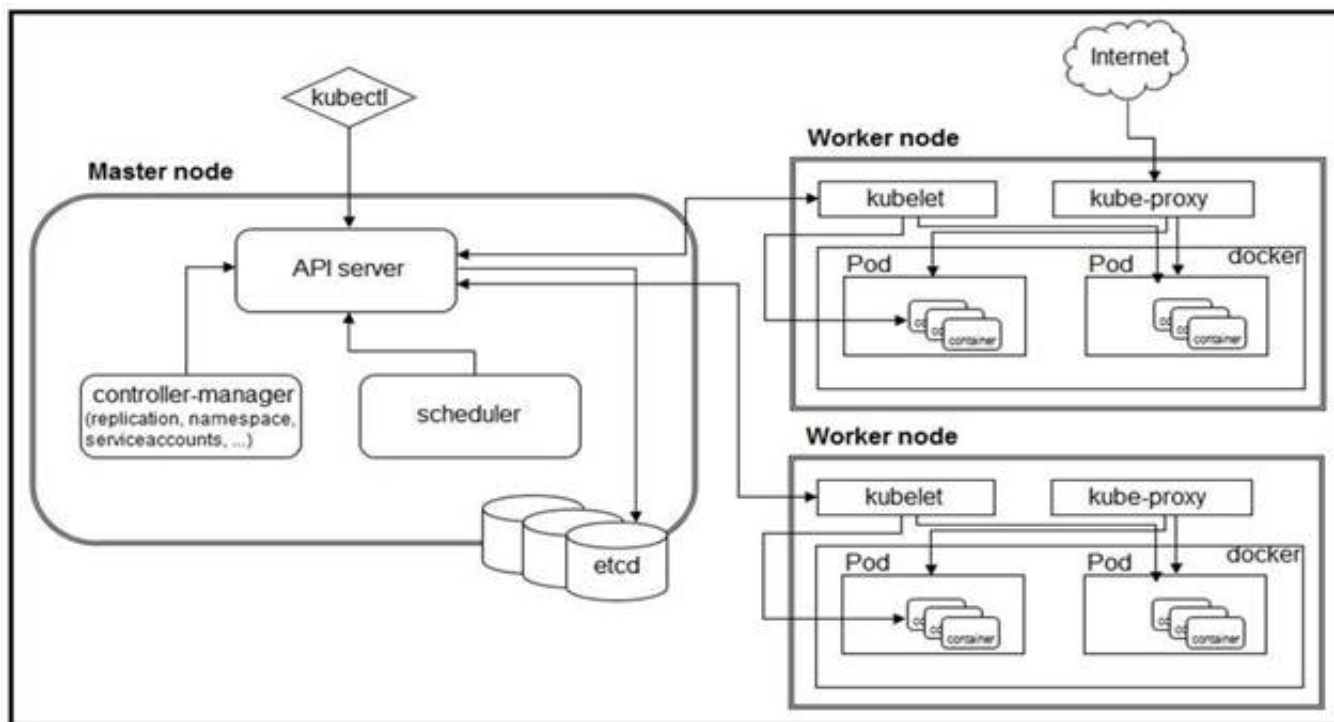
NEW QUESTION 16

When DevOps practices are integrated into an existing organization, which two characteristics are positive indicators of DevOps maturity? (Choose two.)

- A. mean time between success
- B. mean time to recover
- C. cone testing
- D. change lead time
- E. age of codebase

Answer: BD

NEW QUESTION 20



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 25

When static routes are added to a router in a network using a CI/CD pipeline, an Ansible playbook is used to make these changes. Which steps must be added to the pipeline to validate that the changes have the intended effect on the traffic flow?

- A. Add a step to run the debug ip routing command before the change, and add a step after the change to issue the no debug ip routing command.
- B. Add a step to capture the routing table before the change, and add a step after the change to capture it again
- C. Calculate the difference between the two for review.
- D. Add a step to ping a host on each of the static routes before the change, and a step after to repeat the same check
- E. Calculate the difference between the two checks for review.
- F. Add a step to run the same playbook again with the debug option enabled and use grep on the log output to ensure that the commands are not applied again.

Answer: B

NEW QUESTION 26

A DevOps engineer is supporting a containerized application with multiple components running across the Kubernetes cluster. Metrics from the container (CPU and memory) and application (requests per second and heap size) are being collected by Prometheus and displayed with Grafana. Users report transaction timeout problems with the application, but the metric graphs all look within normal levels.

Which type of failure would prevent the engineer from seeing the problem using the captured metrics?

- A. Grafana has lost connectivity to Prometheus, which causes graphs to display only the cached data.
- B. CPU and memory metrics from Kubernetes nodes are not accurate due to the way that containers share resources.
- C. Some containers are crashing regularly and being restarted automatically by Kubernetes.
- D. The metricbeat agent has crashed and is no longer sending new data to Prometheus, so the metrics are not updating.

Answer: D

NEW QUESTION 29

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 30

AppDynamics is being used to monitor your distributed Python application. Each individual container of the application is instrumented with an AppD agent. Which two configuration variables uniquely determine the module being monitored? (Choose two.)

- A. node
- B. app
- C. agent
- D. tier
- E. event

Answer: AB

NEW QUESTION 32

The E-commerce application is being monitored using AppDynamics. AppDynamics has noticed that the application response has degraded and has identified some thread contention that might be the cause of the delays.

Where in the interface does AppDynamics bring this to your attention?

- A. Potential Issues section of an individual transaction
- B. Transaction Score graph of a business transaction
- C. Code Deadlock section of the Event List
- D. Slow Calls and Errors tab of the application

Answer: A

NEW QUESTION 35

What are two advantages of using Configuration Management Tools? (Choose two.)

- A. reduction in policy violations caused by human errors
- B. reduction in administration costs
- C. reduction in network changes already performed automatically
- D. reduction of on-premises networking equipment
- E. reduction in networking team skills

Answer: BC

NEW QUESTION 40

How long analysis systems such as Elasticsearch, Logstash, and Kibana Stack handle ingesting unstructured logs from different devices in various formats?

- A. All devices that generate syslogs must use agents that process the local logs and transmit them in a specific format to the ELK Stack.
- B. All logs are stored in their unstructured text format, and the ELK Stack performs data analysis by intelligently parsing the logs using machine learning algorithms.
- C. All different message formats are parsed separately using custom filters, and the resulting structured data is stored for later analysis.
- D. A single, comprehensive log format is defined on the ELK Stac
- E. All incoming logs, regardless of format, are transformed to match the comprehensive format, and only applicable fields are populated.

Answer: D

NEW QUESTION 43

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

Answer: D

NEW QUESTION 45

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 49

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