Leads4Pass

300-910 $^{Q\&As}$

Implementing DevOps Solutions and Practices using Cisco Platforms (DEVOPS)

Pass Cisco 300-910 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.leads4pass.com/300-910.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Cisco Official Exam Center

⚙ **Instant Download** After Purchase

⚙ **100% Money Back** Guarantee

⚙ **365 Days** Free Update

⚙ **800,000+** Satisfied Customers

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

Correct Answer: A

https://www.terraform.io/docs/cli/commands/validate.html

"use the terraform plan command instead, which includes an implied validation check."

QUESTION 2

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

Correct Answer: D

QUESTION 3

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

Correct Answer: AD

Appdynamics Agents Install Wizard Step 2 Enter the configuration values...
https://docs.appdynamics.com/appd/4.5.x/en/application-monitoring/install-app-server- agents#InstallAppServerAgents-UsetheGettingStartedWizard Tier and Node Naming Guidelines https://docs.appdynamics.com/appd/4.5.x/en/application-monitoring/install-app-server-agents#InstallAppServerAgents-tier-node-namingTierandNodeNamingGuidelines

---

QUESTION 4

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.

Correct Answer: B

QUESTION 5

Which type of testing should be integrated into a CI/CD pipeline to ensure the correct behavior of all of the modules in the source code that were developed using TDD?

A. soak testing

B. unit testing

C. load testing

D. volume testing

Correct Answer: B

QUESTION 6

FILL BLANK Fill in the blanks to describe the concepts of extending DevOps practices to the network for NetDevOps. NetDevOps builds and manages networks as a system that enables network services to be consumed in a DevOps approach. Organizations practicing NetDevOps see changes in the _____ as routine and expected activities, with a well-

defined and practiced process for _____ , testing, and _____ network changes. By making them routine, network changes can be small and simple.

Correct Answer: network, designing, deploying

Reference: https://blogs.cisco.com/developer/embrace-netdevops-part-1

QUESTION 7

A developer is creating an application based on microservices. The application will be used as a central repository for all company\\'s documents. One of the microservices in the application will perform image processing. This microservice must autoscale to meet the current load and avoid down time.

Which metric must be used to trigger autoscaling events?

A. network

B. CPU/GPU

C. disk I/O

D. memory

Correct Answer: B

QUESTION 8

A developer is nearing the end of a software development cycle and is ready to deploy the software. The customer wants to continue using a secure software development lifecycle methodology and must plan for postproduction components. Which two areas should be the developer address? (Choose two.)

A. performing code reviews

B. requirement gathering

C. change management process

D. new code scanning

E. rollback plans

Correct Answer: AD

QUESTION 9

FILL BLANK

Fill in the blanks to complete the line of Python code that sends a message to a Webex Teams room or person.

```
response = requests. [          ]("https://api.ciscopark.com/v1/ [          ] ", headers=message_header,
data=message_data)
```

Correct Answer: post, messages

QUESTION 10

Configuration changes to the production network devices are performed by a CI/CD pipeline. The code repository and the CI tool are running on separate servers. Some configuration changes are pushed to the code repository, but the pipeline did not start.

Why did the pipeline fail to start?

A. The CI server was not configured as a Git remote for the repository.

B. The webhook call from the code repository did not reach the CI server.

C. Configuration changes must be sent to the pipeline, which then updates the repository.

D. The pipeline must be started manually after the code repository is updated.

Correct Answer: B

A webhook is basically a callback URL that is triggered when certain events occur, such as a code commit. If the webhook call from the code repository does not reach the CI server, then the pipeline will not start. According to the Cisco Implementing DevOps Solutions and Practices using Cisco Platforms (DEVOPS) Study Manual, "A webhook is a web-based feature that enables a remote service to communicate with a local service, usually through a web server. Webhooks are used to trigger an action when a specific event occurs, usually in a remote service or application."

QUESTION 11

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.

Correct Answer: D

QUESTION 12

Refer to the exhibit.

```
TASK [Print the contents of the "show _ip_int_brief" variable]
*********************************************************************
ok: [ios-xe-mgmt.cisco.com] => {
    "show_ip_int_brief": {
        "changed": false,
        "failed": false,
        "stdout" [
            "Interface          IP-Address          OK?  Method Status
Protocol\nGigabitEthernet1     10.10.20.48          YES  NVRAM     up         up
\nGigabitEthernet2       10.10.10.18       YES  other      up         up   \nGigabitEthernet3
13.13.13.13        Yes  other          up         up"
        ],
        "stdout_lines": [
            [
                "Interface          IP-Address      OK?  Method    Status          Protocol",
                "GigabitEthernet1     10.10.20.48      YES  NVRAM     up              up",
                "GigabitEthernet2     10.10.10.18      YES  other     up              up",
                "GigabitEthernet3     13.13.13.13      YES  other     up              up",
            ]
        ]
    }
}
```

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

Correct Answer: D

QUESTION 13

An organization is developing an application using Git. Each team member is assigned to work on specific parts of the application. At the end of each task, individual code parts are merged in the main build.

Which two requirements should be implemented to increase the likelihood of continuous integration? (Choose two.)

A. Changes must be scheduled to deploy at a specific time that has minimal traffic

B. Changes must include automated tests

C. Changes must be validated during deployment to the production environment

D. Smaller, individually testable changes must be merged first

E. Team members must be responsible for the code committed by any team member

Correct Answer: BC

QUESTION 14

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

QUESTION 15

What are two reasons a Docker golden image should be updated? (Choose two.)

A. when there is a change to a username or password in the Docker secrets

B. when the application has a new release

C. when a fix for a security vulnerability is released

D. when a change is needed to an environment variable in the Dockerfile

E. when the base image is nearing the end of life

Correct Answer: BC

[Latest 300-910 Dumps](#)   [300-910 PDF Dumps](#)   [300-910 Study Guide](#)