



300-910^{Q&As}

Implementing DevOps Solutions and Practices using Cisco Platforms
(DEVOPS)

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QUESTION 1

Which two characteristics of a build tool that is used in an automated build pipeline? (Choose two.)

- A. It runs unit tests against code that is committed.
- B. It builds your software on the production environment.
- C. It builds your software when changes are committed.
- D. It builds your software every 500 milliseconds.
- E. It must have a plug-in for Puppet and Maven.

Correct Answer: AC

QUESTION 2

FILL BLANK

Fill in the blanks to complete the statement.

When creating multiple containers, in order to allow communication with each other, you must create a _____ of type _____ .

Correct Answer: pod, volume

QUESTION 3

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 4

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

Correct Answer: C

QUESTION 5

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"`

Correct Answer: C

QUESTION 6

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

Correct Answer: BD

QUESTION 7



```
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
\nGigabitEthernet2    10.10.10.18     YES  other   up
13.13.13.13          Yes other        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",
      ]
    ]
  }
}
```

Refer to the exhibit. The exhibit shows the output of an Ansible task that prints the contents of the show_ip_int_brief variable that was registered in a different task in the playbook. Which expression is used to print the output of the command without its header row?

- A. show_ip_int_brief["stdout_lines"][0]
- B. show_ip_int_brief["stdout_lines"][1:]
- C. show_ip_int_brief["stdout_lines"][0][1:]
- D. show_ip_int_brief["stdout_lines"]

Correct Answer: B

QUESTION 8

```
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.

Correct Answer: B

QUESTION 9

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: AB

QUESTION 10

Which two statements about Infrastructure as Code are true? (Choose two.)

- A. Test-driven development practices make use of Infrastructure as Code.
- B. Infrastructure as Code refers to automated testing libraries.
- C. DevOps builds upon Infrastructure as Code.
- D. Infrastructure as Code is based on practices from software development.
- E. Infrastructure as Code must use the same programming language as the application.

Correct Answer: AD

QUESTION 11

DRAG DROP

Construct an Ansible script to gather information about target routers and then use it to apply no ip redirects to every interface on each device. Drag and drop the code from the bottom onto the correct location in the exhibit to complete the tasks section of the Ansible playbook so that it accomplishes your goal.

Select and Place:



Answer Area

```
tasks:
- name: Get info from devices
  [ ]
  provider: "{{ credentials }}"
  [ ] dev_info
- name: Add 'no ip redirects' to all interfaces
  [ ]
  provider: "{{ credentials }}"

  lines:
    - "no ip redirects"
  parents: "interface {{ item.key }}"
  with_items: "{{ dev_info['ansible_facts']['ansible_net_interfaces'] | dict2items }}"
```

- debug: register: variable:
- ios_conf_t ios_info: ios_facts:
- ios_command: ios_config:

Correct Answer:

Answer Area

```
tasks:
- name: Get info from devices
  ios_info:
  provider: "{{ credentials }}"
  register: dev_info
- name: Add 'no ip redirects' to all interfaces
  ios_config:
  provider: "{{ credentials }}"

  lines:
    - "no ip redirects"
  parents: "interface {{ item.key }}"
  with_items: "{{ dev_info['ansible_facts']['ansible_net_interfaces'] | dict2items }}"
```

- debug: [] variable:
- ios_conf_t [] ios_facts:
- ios_command: []



QUESTION 12

Which Kubernetes object is used to create a ClusterIP or NodePort?

- A. service
- B. pod
- C. deployment
- D. loadbalancer

Correct Answer: A

QUESTION 13

To make logging searches more efficient and useful in Kibana, an Administrator wants to implement index patterns around the hostname of some software systems. Where should this be configured?

- A. Configure a new JSON object in Kibana.
- B. Create a search index in Logstash.
- C. Create an index pattern in Kibana.
- D. Create a time filter on Kibana to look at time only.

Correct Answer: C

QUESTION 14

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: AC

QUESTION 15

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.

Correct Answer: CE

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