Cisco

Exam Questions 300-910

Implementing DevOps Solutions and Practices using Cisco Platforms (DEVOPS)

NEW QUESTION 1
Which two practices help make the security of an application a more integral part of the software development lifecycle? (Choose two.)

A. Add a step to the CI/CD pipeline that runs a dynamic code analysis tool during the pipeline execution.
B. Add a step to the CI/CD pipeline that runs a static code analysis tool during the pipeline execution.
C. Use only software modules that are written by the internal team.
D. Add a step to the CI/CD pipeline to modify the release plan so that updated versions of the software are made available more often.
E. Ensure that the code repository server has enabled drive encryption and stores the keys on a Trusted Platform Module or Hardware Security Module.

Answer: AE

NEW QUESTION 2

```
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. Rython3 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 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

Answer: D

NEW QUESTION 4
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 5
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 6
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.
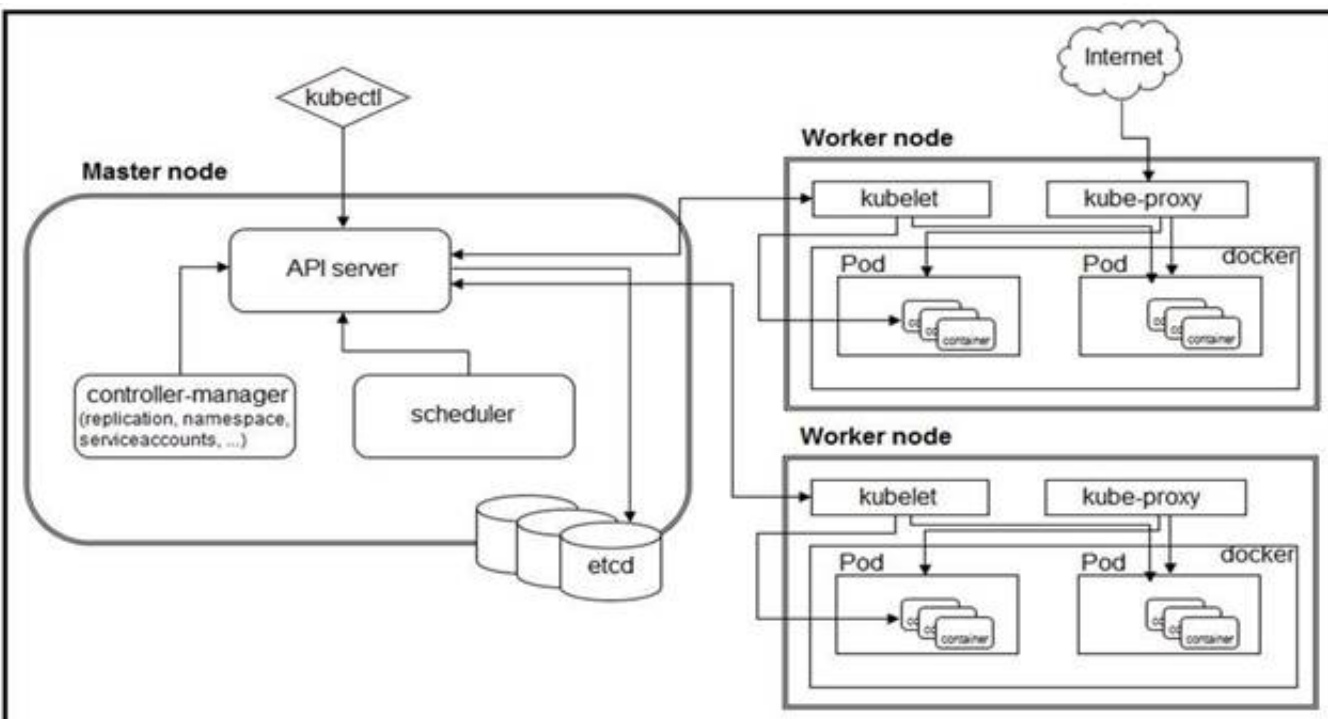
Answer: CE

NEW QUESTION 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        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",
            ]
        ]
    }
}
```

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']

Answer: B

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

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 agai
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 chec
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 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
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 15
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 19
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