300-910 Dumps

Implementing DevOps Solutions and Practices using Cisco Platforms (DEVOPS)

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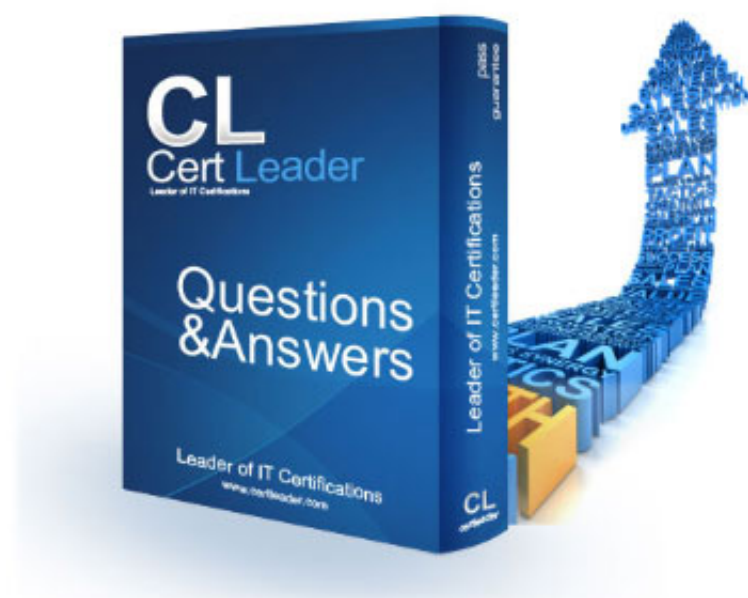
NEW QUESTION 1
Which two practices help make the security of an application a more integral part of the software development lifecycle? (Choose two.)

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

```
#!/bin/bash                                              Build Command
# 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/requriements.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 -1) != 0 ]
then
    exit 1
fi
```

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 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. 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 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 container to host a web-server and it must run as an executable. Which command must be configured in a Dockerfile to accomplish this goal?

A. ENTRYPOINT <usr/sbin/apache2ctl>
B. ENTRYPOINT ["/usr/sbin/apache2ctl", "-D", "FOREGROUND"]
C. ENTRYPOINT ["BACKGROUND", "-D", "/usr/sbin/apache2ctl"]
D. ENTRYPOINT {usr/sbin/apache2ctl}

Answer: B

NEW QUESTION 6
What is the effective way to manage computing costs in a public cloud?

A. Monitor data transfers to minimize cost.
B. Use dedicated hardware for all instances.
C. Select the largest instance option available in order to pay for only one instance.
D. Make use of elastic services and scale on demand.

Answer: D

NEW QUESTION 7
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 8
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 typ
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 9

```
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 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 10
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 13
Which two elements help to secure your API keys? (Choose two.)

A. ramdomness
B. SHA1
C. triple AES
D. rotation
E. dictionary

Answer: AC

NEW QUESTION 14
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