

350-901^{Q&As}

Developing Applications Using Cisco Core Platforms and APIs
(DEVCOR)

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QUESTION 1

A network operations team is using the cloud to automate some of their managed customer and branch locations. They require that all of their tooling be ephemeral by design and that the entire automation environment can be recreated without manual commands. Automation code and configuration state will be stored in git for change control and versioning. The engineering high-level plan is to use VMs in a cloud- provider environment then configure open source tooling onto these VMs to poll, test, and configure the remote devices, as well as deploy the tooling itself.

Which configuration management and/or automation tooling is needed for this solution?

- A. Ansible
- B. Ansible and Terraform
- C. NSO
- D. Terraform
- E. Ansible and NSO

Correct Answer: B

QUESTION 2

A team is developing a cloud-native application for network monitoring and management of various devices. An increased growth rate of users is expected. The solution must be easily managed and meet these requirements:

able to use dependencies easy disposability flexible configuration

Which application design approach must be used?

- A. waterfall model
- B. 12-factor app framework
- C. object-oriented programming
- D. agile software development

Correct Answer: B

Explanation: This framework is designed to provide a consistent set of practices and principles to ensure applications can be easily deployed and managed in the cloud. It utilizes a microservices architecture which allows applications to be broken up into smaller, more manageable components. In addition, the 12-factor App Framework makes use of dependencies, flexible configuration and disposable services, making it an ideal choice for this type of application.

QUESTION 3

DRAG DROP

Drag and drop the steps from the left into the order on the right to build and run a customized Python Docker image.

Not all options are used.

Select and Place:

Create a Dockerfile that contains the text: FROM python:3.7.2 COPY ./my_app.py /app	step 1
Create a Dockerfile that contains the text: IMPORT python:3.7.2 COPY ./my_app.py /app	step 2
\$ docker run -dit --name my-running-app -p 8080:80 my-app	step 3
\$ docker compile -t my-app .	
\$ docker build -t my-app .	

Correct Answer:

	Create a Dockerfile that contains the text: FROM python:3.7.2 COPY ./my_app.py /app
Create a Dockerfile that contains the text: IMPORT python:3.7.2 COPY ./my_app.py /app	\$ docker compile -t my-app .
	\$ docker run -dit --name my-running-app -p 8080:80 my-app
\$ docker build -t my-app .	

QUESTION 4

DRAG DROP

A developer is creating a Python script to analyze errors during REST API call operations. The script will be used with Cisco solution and devices.

Drag and drop the code from the bottom to the box where the code is missing to implement control flow for handling unrecoverable REST API calls. Not all options are used.

Select and Place:

```
import requests, json, sys

BASE_URL = "https://10.10.20.90:8443"
AUTH_URL = f"{BASE_URL}/j security check"
headers = {'Content-Type': 'application/x-www-form-urlencoded'}
payload = {'j username': "admin", 'j password': "password"}

session = requests.Session()
response = session.post(AUTH_URL, headers=headers, data=payload, verify=False)

if  :
    DEVICE_URL = f"{BASE_URL}/dataservice/device/interface/synced?deviceId=10.10.1.11"
    response = session.get(DEVICE_URL, verify=False)
    print(response.text.encode('utf8'))
    

elif  :
    print("Authentication error")

else:
    print("Unknown Error!")

```

<input type="text" value="response.status == 403"/>	<input type="text" value="response.status_code == 200"/>
<input type="text" value="response.status_code == 403"/>	<input type="text" value="sys.exit(0)"/>
<input type="text" value="sys.exit(1)"/>	<input type="text" value="response.status == 200"/>

Correct Answer:

```
import requests, json, sys

BASE_URL = "https://10.10.20.90:8443"
AUTH_URL = f"{BASE_URL}/j security check"
headers = {'Content-Type': 'application/x-www-form-urlencoded'}
payload = {'j username': "admin", 'j password': "password"}

session = requests.Session()
response = session.post(AUTH_URL, headers=headers, data=payload, verify=False)

if response.status_code == 200 :
    DEVICE_URL = f"{BASE_URL}/dataservice/device/interface/synced?deviceId=10.10.1.11"
    response = session.get(DEVICE_URL, verify=False)
    print(response.text.encode('utf8'))
    sys.exit(0)

elif response.status_code == 403 :
    print("Authentication error")

else:
    print("Unknown Error!")
    sys.exit(1)
```

response.status == 403	
	response.status == 200

QUESTION 5

Refer to the exhibit.

```
headers = ( _____ )
try:
    response = requests.get("https://sandboxnac.cisco.com/dna/intent/api/v1/wireless/profile",
        headers=headers, verify=False)
except requests.exceptions.RequestException as cerror:
    print("Error processing request", cerror)
    sys.exit(1)
```

Which code snippet is required in the headers to successfully authorize wireless information from Cisco DNA Center?

- A. headers = { 'X-auth-token': '\fa8426a0-8eaf-4d22-8e13-7c1b16a9370c\ }
- B. headers = { 'Authorization': '\Basic YWRtaW46R3JhcGV2aW5IMQ==\ }
- C. headers = { 'Authorization': '\Bearer ASDNFALKJER23412RKDALSNKF\ }
- D. headers = { 'Content-type': '\application/json\ }

Correct Answer: A

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