Free Questions for 200-901 by ebraindumps

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Question 1

Question Type: MultipleChoice

Refer to the exhibit.

```
 1 import requests
 2 import json
 3
 4 BASE_URL = "https://<IP Address>"
 5 FIRST_URL = "/dna/intent/api/v1/network-device"
 6 SECOND_URL = "/dna/intent/api/v1/network-device-poller/cli/read-request"
 7 THIRD_URL = "/dna/intent/api/v1/task/{task_id}"
 8 FOURTH_URL = "/dna/intent/api/v1/file/{file_id}"
 9
10 headers = {"X-Auth-Token": "TOKEN", "Content-Type": "application/json"}
11
12 params = {"platformId": "C9500-40X"}
13 response = requests.get(BASE_URL + FIRST_URL, headers=headers, params=params)
14 devices = []
15 for device in response.json()["response"]:
16     devices.append{device["id"])
17
18     payload = {
19         "commands": ["show version", "show ip int brief"],
20         "deviceUuids": devices,
21         "timeout": 0,
22     }
23 response = requests.post(BASE_URL + SECOND_URL, data=json.dumps(payload),
 · headers=headers)
24 task_id = response.json()["response"]["taskId"]
25
26 response = requests.get(BASE_URL + THIRD_URL.format(task_id=task_id),
 · headers=headers)
27 progress_json = json.loads(response.json()["response"]["prcgress"])
28 file_id = progress_json("fileId")
29
30 response = requests.get(BASE_URL + FOURTH_URL.format(file_id=file_id),
 · headers=headers)
31 file_json = response.json{)
32
33 for cmd in file_json:
34   print(file_json[cmd]["commandResponses"]["SUCCESS"]["show ip int brief"])
```

A network engineer must collect information from the network using Cisco DNA Center APIs. The script must query for the devices with 'platformId' 'C9540-x' and then send commands to be executed. Which process is automated by the Python script?

Options:

A- results gathering of the show version and show ip int brief commands

B- output of show ip int brief command on devices of type C9500-40X

C- execution information of the show version and show ip int brief commands

D- list of executed commands on C9500-40X and the information of show ip int brief command

Answer:

B

Question 2

Refer to the exhibit.

user_manager.py

```
 1   import psycopg2
 2   import json, sys
 3
 4   # Load config file
 5   config = None
 6   with open('config.json') as config_file:
 7       config = json.load(config_file)
 8   if not config:
 9       print("Error loading configuration file.")
10       sys.exit(1)
11
12   connection = psycopg2.connect(
13       database="users",
14       host=config["DB_USER"], user=config["DB_USER"], password=config["DB_PWD"]
15   )
16   connection.set_session()
17
18   def has_admin_role(username):
19       with connection.cursor() as cursor:
20           query = 'SELECT admin_role FROM users WHERE username = {0}'
21           cursor.execute(query.format(username))
22           result = cursor.fetchone()
23       return result
24
25    has_admin_role("ops.shared")
```

config.json

```
 1   {
 2       "DB_USER": "pguser",
 3       "DB_PWD": "@123Qwer%4",
 4       "DB_HOST": "devnetdb.example.com"
 5   }
```

An engineer must check the admin rights of users on a database regularly and prepares

the Python script to automate the process. The script connects to the database and runs a query. What is a security issue about the secrets in the code that relates to secret protection?

Options:

A- They must be stored in configuration files if there is a possibility of leakage.

B- They must be Base64-encoded if stored in the user database.

C- They must be encrypted if stored in the user database.

D- They must be stored in configuration files if no authentication will be used.

Answer:

D

Question 3

Question Type: MultipleChoice

Refer to the exhibit.

```
1   - hosts: servers
2     tasks:
3
4     - name: task1
5       apt:
6           name: apache2
7           state: absent
8
9     - name: task2
10      apt:
11          name: nginx
12          state: present
13
14    - name: task3
15      apt:
16          name: "*"
17          state: latest
```

A developer must check packages on web load balancers that use nginx packages. The developer updates the servers as required in Ansible inventory and prepares an Ansible playbook to automate this workflow on related servers. Which process is being automated by the Ansible playbook?

A- verifying that nginx is installed only if apache2 is unavailable on the system, and then updating all the other packages

B- verifying, without installing, that apache2 is unavailable and that nginx is installed, and then updating the repository to the latest version

C- uninstalling the apache2 server, installing the nginx server, and then updating all the packages to the latest version

D- installing nginx, uninstalling apache2, and then verifying that the package repository is at the latest version

Answer:

B

Question 4

Question Type: **MultipleChoice**

A new application is being developed with specific platform requirements. The platform and application deployment and the ongoing platform management must be fully automated. The application includes a large database component that has significant disk I/O requirements. Which application deployment type meets the requirements?

Options:

A- Python virtual environment

B- virtual machine

C- bare metal

D- container

Answer:

B

Question 5

Question Type: **MultipleChoice**

An engineer must configure Cisco Nexus devices and wants to automate this workflow. The engineer enables the Cisco NX-OS REST API to configure the devices by using an Ansible playbook. Before running the code,

which resource must be used to verify that the code works correctly?

Options:

A- Cisco NX-OS SDK

B- Cisco Learning Labs

C- Cisco Code Exchange

D- Cisco Modeling Labs

Answer:

A

Question 6

Question Type: **MultipleChoice**

Refer to the exhibit.

```
1 def enable_function(if_name, if_status, if_type):
2     headers = {'Accept': 'application/yang-data+json',
3               'Content-Type': 'application/yang-data+json'}
4     payload = {
5           "ietf-interfaces:interface": {
6               "name": if_name,
7               "enabled": if_status,
8               "type": if_type,
9           }
10        }
11    base_url = 'https://192.168.1.1:8443'
12    restconf_url = '/restconf/data/ietf-interfaces:interfaces/interface'
13
14    res = requests.put(f'{base_url}{restconf}={if name}',
15                       headers=headers, json=payload,
16                       auth=('cisco', 'secret'), verify=False)
```

A network engineer wants to automate the port enable/disable process on specific Cisco switches. The engineer creates a script to send a request through RESTCONF and uses ietf as the YANG model and JSON as payload. Which command enables an interface named Loopback1?

Options:

A- enable_function(Loopback1, true, 'iana-if-type:softwareLoopback')

B- enable_function('iana-if-type:softwareLoopback', Loopback1, true,)

C- def enable_function('iana-if-type:softwareLoopback', Loopback1, false,)

D- def enable_function(Loopback1, true, 'iana-if-type:softwareLoopback')

Answer:

D

Question 7

Question Type: **MultipleChoice**

What is a capability of an agentless configuration management system?

Options:

A- It requires managed hosts to have an interpreter for a high-level language such as Python or Ruby.

B- It requires managed hosts to connect to a centralized host to receive updated configurations.

C- It uses compiled languages as the basis of the domain-specific language to interface with managed hosts.

D- It uses existing protocols to interface with the managed host.

Answer:

D

Question 8

Question Type: **MultipleChoice**

Refer to the exhibit.

```
# base image
FROM alpine

# Install python and pip
RUN apk add --update py2-pip

# Install python modules needed by the python app
COPY requirements.txt /usr/src/app/
RUN pip install --no-cache-dir -r /usr/src/app/requirements.txt

#copy local files for the app to run
COPY app.py /usr/src/app/
COPY templates/index.html /usr/src/app/templates/

EXPOSE 8080

#run the application
CMD ["python", "/usr/src/app/app.py"]
```

Which function does the EXPOSE line perform when building an image from this Dockerfile?

Options:

A- Local port 8080 of the container that launched with this docker image is accessible from co-hosted containers and external clients.

B- Local port 8080 is not reachable at all because no IP address is specified along with the EXPOSE command of the Dockerfile.

C- Local port 8080 is accessible from other containers running on the same docker host as the container that launched with this docker image.

D- Local port 8080 of the container that launched with this docker image is accessible to external clients.

Answer:

C

Explanation:

By default, the EXPOSE instruction does not expose the container's ports to be accessible from the host. In other words, it only makes the stated ports available for inter-container interaction.

Whereas publishing a port using either -P or -p exposes it, exposing a port using EXPOSE or --expose does not publish it.

So, while exposed ports can only be accessed internally, published ports can be accessible by external containers and services.

https://www.whitesourcesoftware.com/free-developer-tools/blog/docker-expose-port/

Question 9

Question Type: **MultipleChoice**

A local Docker alpine image has been created with an image ID of a391665405fe and tagged as "latest". Which command creates a running container based on the tagged image, with the container port 8080 bound to port 80 on the host?

Options:

A- docker build -p 8080:80 alpine:latest

B- docker exec -p 8080:80 alpine:latest

C- docker start -p 8080:80 alpine:latest

D- docker run -p 8080:80 alpine:latest

Answer:

D

Explanation:

https://docs.docker.com/get-started/02_our_app/