

200-901 Q&As

Developing Applications and Automating Workflows using Cisco Platforms (DEVASC)

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QUESTION 1

Which protocol runs over TCP port 22?

- A. SSH
- B. NETCONF
- C. HTTP
- D. Telnet

Correct Answer: A

QUESTION 2

In test-driven development, what are two of the green bar patterns? (Choose two.)

- A. another test
- B. break
- C. triangulate
- D. starter test
- E. fake it

Correct Answer: CE

<https://www.cs.uic.edu/~i442/Patterns%20for%20TDD.pdf>

QUESTION 3

DRAG DROP

Refer to the exhibit.

The screenshot shows the Cisco Intersight API documentation for the endpoint 'Create Server Profile and Resources'. The main heading is 'Create Server Profile and Resources'. Below it, the specific endpoint is 'POST Create Server VMedia Policy' with the URL `https://www.intersight.com/api/v1/vmedia/Policies`. A 'HEADERS' section lists the following headers:

Header	Value
Accept	application/json
Authorization	Signature {{httpsig}}
Digest	{{computed-digest}}
Date	{{current-date}}
Content-Type	application/json

Drag and drop the code from the bottom onto the box where the code is missing to construct a Python script by using the Cisco SDK. Not all options are used.

Select and Place:

```
import sys, json, argparse
from intersight.intersight_api_client import IntersightApiClient
from intersight.apis import asset_device_registration_api, asset_device_claim_api

result = dict(changed=False)

parser = argparse.ArgumentParser()
parser.add_argument('-a', '--api_params', default='intersight_api_params.json')
parser.add_argument('-t', '--target_host', dest='hostname', required=True)
args = parser.parse_args()
with open(args.api_params, 'r') as api_file:
    intersight_api_params = json.load( )
api_instance = IntersightApiClient(
    host=intersight_api_params[' '],
    private_key=intersight_api_params['api_private_key_file'],
    api_key_id=intersight_api_params['api_key_id'],
)
api_handle = asset_device_registration_api.AssetDeviceRegistrationApi(api_instance)

kwargs = dict(filter="ConnectionStatus eq 'Connected'")
    = api_handle.asset_device_registrations_get(** )
for device in api_result.results:
    if device.device_ip_address[0] == args.hostname:
        api_handle = asset_device_claim_api.AssetDeviceClaimApi(api_instance)
        api_handle.asset_device_claims_moid_delete(moid=device.device_claim.moid)
        result['changed'] = True
        break
```

kwargs

args

api_file

api_key

api_base_uri

result

api_result

Correct Answer:

```
import sys, json, argparse
from intersight.intersight_api_client import IntersightApiClient
from intersight.apis import asset_device_registration_api, asset_device_claim_api

result = dict(changed=False)

parser = argparse.ArgumentParser()
parser.add_argument('-a', '--api_params', default='intersight_api_params.json')
parser.add_argument('-t', '--target_host', dest='hostname', required=True)
args = parser.parse_args()
with open(args.api_params, 'r') as api_file:
    intersight_api_params = json.load( api_file )
api_instance = IntersightApiClient(
    host=intersight_api_params[' api_base_uri '],
    private_key=intersight_api_params['api_private_key_file'],
    api_key_id=intersight_api_params['api_key_id'],
)
api_handle = asset_device_registration_api.AssetDeviceRegistrationApi(api_instance)

kwargs = dict(filter="ConnectionStatus eq 'Connected'")
result = api_handle.asset_device_registrations_get(** kwargs )
for device in api_result.results:
    if device.device_ip_address[0] == args.hostname:
        api_handle = asset_device_claim_api.AssetDeviceClaimApi(api_instance)
        api_handle.asset_device_claims_moid_delete(moid=device.device_claim.moid)
        result['changed'] = True
        break
```

args api_key api_result

QUESTION 4

Refer to the exhibit.

```
1  #!/bin/bash
2  apt install nginx
3  export AVAILABLE_SITES_DIR = '/etc/nginx/sites-available'
4  export ENABLED_SITES_DIR = '/etc/nginx/sites_enabled'
5  cd /opt/nginx
6  cat sites.txt | while read site;
7  do
8      cp template.conf "$AVAILABLE_SITES_DIR/$site";
9      ln -s "$AVAILABLE_SITES_DIR/$site" "$ENABLED_SITES_DIR";
10     chown www-data:www-data "$AVAILABLE_SITES_DIR/$site";
11 done
```

An engineer must configure a load balancer server. The engineer prepares a script to automate workflow by using Bash. The script install the nginx package, moves to the /optAtginx directory, and reads the sites M We (or further processing

Based on the script workflow, which process is being automated within the loop by using the information in sites.txt?

- A. creating a new Me Based on template .conf in the /etc/nginx/sites_enabled directory for each line in the sites.txt file. and then changing the file execution permission.
- B. creating a Me per each line in sites.txt with the information in template.conf. creating a link for the previously created file. and then changing the ownership of the created files
- C. using the content of the file to create the template.conf file. creating a link from the created file to the /etc/nginx/sites.enabled. and then changing the file execution permissions.
- D. using the information in the file to create a set of empty files in the /etc/nginx/sites_enabled directory and then assigning the owner of the file.

Correct Answer: B

QUESTION 5

How are load balancers used in modern application deployments?

- A. Turn off traffic and take down compute units, then update and bring the compute units back up.
- B. Allow traffic to continue as new compute units are brought up and old compute units are taken down.
- C. Allow http and https traffic to continue as old compute units are discontinued before new units are brought up.
- D. Bring up new compute units, test the compute units, and switch the traffic from old units to new units.

Correct Answer: B

From DEVASC training:

Applications need to be available 24 hours every day. A successful web application should be able to handle ingress traffic even when the number of users drastically rises and be able to support any amount of traffic. For example, if your web

page loads in a couple of seconds with 100,000 users a month, it should be able to load within the same time even with double or triple the amount of users.

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