

# 200-901<sup>Q&As</sup>

Developing Applications and Automating Workflows using Cisco  
Platforms (DEVASC)

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## QUESTION 1

Refer to the exhibit.

```
1  import requests
2
3  headers = {"X-Cisco-Meraki-API-Key": "KEY1234"}
4  BASE_URL = "https://api-mp.meraki.com/api/v1"
5  FIRST_URL = "/organizations"
6  SECOND_URL = "/networks"
7  THIRD_URL = "/clients"
8
9  def first_loop(info):
10     for item in info:
11         if item["name"] == "ACME":
12             URL = BASE_URL + FIRST_URL + "/" + item["id"] + "/" + SECOND_URL
13             response = requests.request("GET", URL, headers=headers)
14             return second_loop(response.json())
15
16 def second_loop(info):
17     for item in info:
18         if item["name"] == "BLDG21":
19             URL = BASE_URL + SECOND_URL + "/" + item["id"] + "/" + THIRD_URL
20             response = requests.request("GET", URL, headers=headers)
21             return third_loop(response.json())
22
23 def third_loop(info):
24     for item in info:
25         return item
26
27 response = requests.request("GET", BASE_URL + FIRST_URL, headers=headers)
28 info = first_loop(response.json())
29 for item in info:
30     print(item["id"])
```

A network engineer must collect information from the network. The engineer prepares a script to automate workflow by using Cisco Meraki API. The script must run over nested loops to collect organization and network information and uses the collected data for final collection. Which process is being automated by using the Python script?

- A. Gather the IDs of the ACME organization, the BLDG21 network, and the dents on the network
- B. Provide the BLDG21 network information if it is part of the ACME organization
- C. Collect the IDs of the clients on the BLDG21 network
- D. List the IDs from the ACME organization

Correct Answer: A

## QUESTION 2

FILL BLANK

Fill in the blanks to complete the Python script to request a service ticket using the APIC-EM REST API for the user "devnetuser".

```
import requests
import json
controller = `devnetapi.cisco.com/sandbox/apic_em`

url = "https://" + controller + "api/va/ticket"

payload = {`username`: `_____`, `password`: `370940885`}

header = {`Content-type`: `application.json`}

response = _____.post(url, data=json.dumps(payload), \
headers= _____, verify=False)

r_json = response.json()

print(r_json)

ticket = r_json["response"]["serviceTicket"]

print(ticket)
```

A.

Correct Answer: See below.

---

### QUESTION 3

Which Cisco platform provides organization-wide automation, security, policy enforcement, any agility across wired and wireless networks?

- A. Cisco ACI
- B. Cisco DNA Center
- C. Cisco Umbrella
- D. Cisco SD-WAN

Correct Answer: D

---

### QUESTION 4

Which description of a default gateway is true?

- A. It is a security feature that denies certain traffic.
- B. It is a device that receives IP packets that have no explicit next-hop in the routing table.
- C. It is a feature that translates between public and private addresses.

D. It is a device that receives Layer 2 frames with an unknown destination address.

Correct Answer: B

Reference:

<https://www.certificationkits.com/cisco-certification/ccna-articles/cisco-ccna-intro-to-routing-basics/cisco-ccna-default-gateway-a-default-routes/>

---

### QUESTION 5

Package updates from a local server fail to download. However, the same updates work when a much slower external repository is used. Why are local updates failing?

- A. The server is running out of disk space.
- B. The Internet connection is too slow.
- C. The Internet is down at the moment, which causes the local server to not be able to respond.
- D. The update utility is trying to use a proxy to access the internal resource.

Correct Answer: D

---

### QUESTION 6

FILL BLANK

Fill in the blanks to complete the Python script to retrieve a list of network devices using the Cisco DNA Center API.

```
import requests
```

```
url = "https://myDNAServer/dna/intent/api/v1/network-device"
```

```
payload = {}
```

```
headers = {'x-auth-token': 'eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIoOiI1ZDE0OWZkMjhlZTY2MmQ3NGM5ZmE5ZTliLmYzMCIsImV4cCI6IjE6MTU3MjM3ODE%MCwidXNlcm5hbWUiOiJraXN370940885.zhK5LPQd501ZUpZl0IH_qrgOXttlNbxSFFF7JOEtRIs'}
```

```
MmQ3NGM5ZmE5ZTliLmYzMCIsImV4cCI6IjE6MTU3MjM3ODE%MCwidXNlcm5hbWUiOiJraXN370940885.zhK5LPQd501ZUpZl0IH_qrgOXttlNbxSFFF7JOEtRIs'
```

```
N370940885.zhK5LPQd501ZUpZl0IH_qrgOXttlNbxSFFF7JOEtRIs'
```

```
}
```

```
response = requests.request( _____ , url,
```

```
headers = _____, data = _____ )
```

```
print(response.text.encode('utf8'))
```

A.

Correct Answer: See below.

---

#### QUESTION 7

How do XML and JSON compare regarding functionality?

- A. XML provides support for mapping data structures into host languages than JSON.
- B. XML provides more human readability than JSON.
- C. JSON provides support for data types than XML.
- D. JSON natively supports arrays and XML does not natively support arrays.

Correct Answer: D

---

#### QUESTION 8

A developer is trying to retrieve data over a REST API. The API server responds with an HTTP client error response code. After investigating the response the developer realizes the response has a Retry-After header. What is the root cause of this error?

- A. An appliance limited the rate of requests to the transport layer.
- B. The REST service is unreachable at the time of the REST request.
- C. Too many requests were sent to the REST service in a given amount of time.
- D. An appliance limited the rate of requests to the application layer.

Correct Answer: C

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#### QUESTION 9

What are the two principles of an infrastructure as code environment? (Choose two)

- A. Complete complex systems must be able to be built from reusable infrastructure definitions.
- B. Environments must be provisioned consistently using the same inputs.
- C. Redeployments cause varying environment definitions.
- D. Service overlap is encouraged to cater for unique environment needs.
- E. Components are coupled, and definitions must be deployed for the environment to function.

Correct Answer: AB

---

#### QUESTION 10

Which platform is run directly on top of a hypervisor?

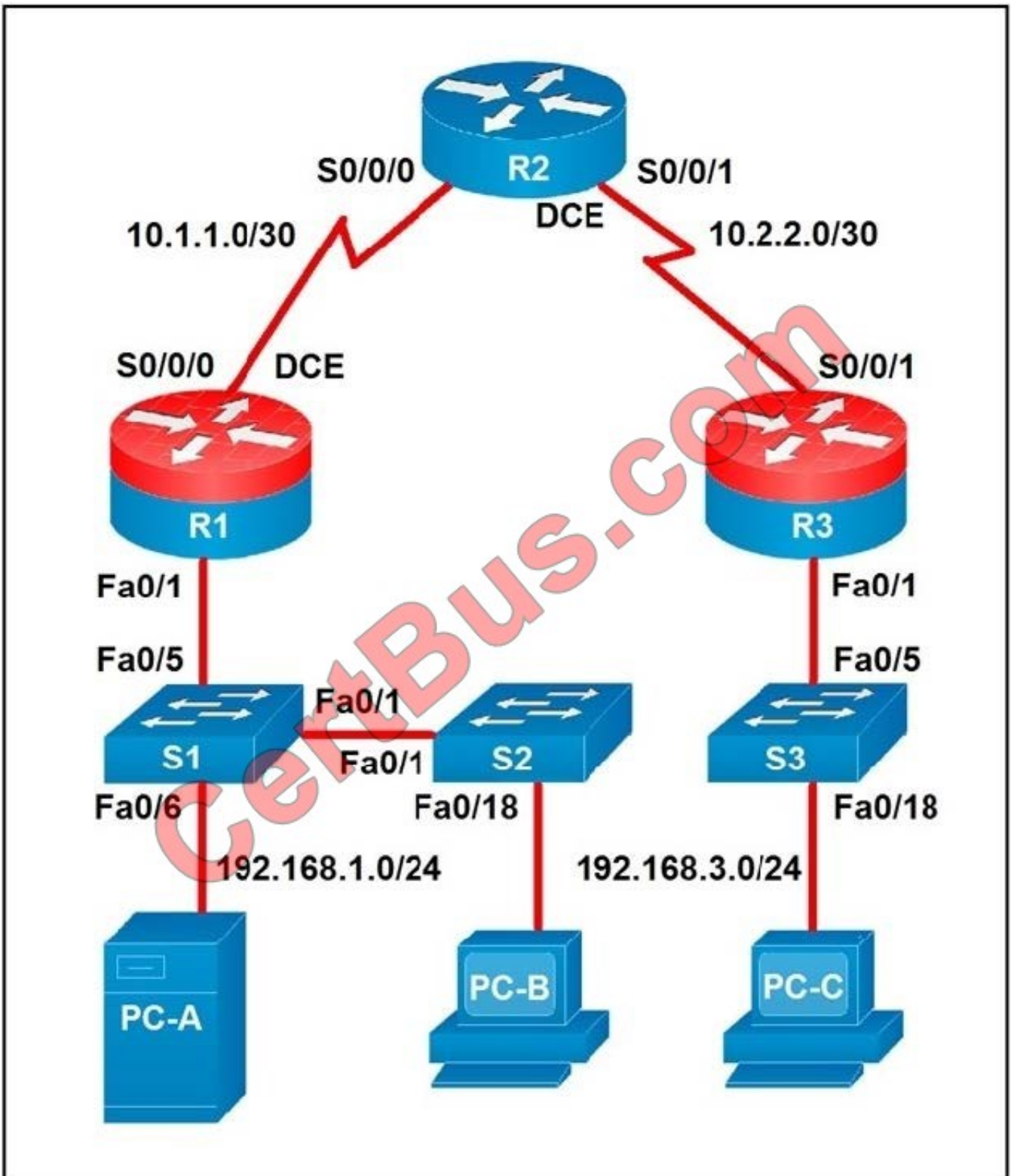
- A. bare metal systems
- B. virtual machines
- C. containers
- D. applications

Correct Answer: B

---

#### **QUESTION 11**

Refer to the exhibit.



Which two statements about the network diagram are true? (Choose two.)

- A. The subnet address of PC-B has 18 bits dedicated to the network portion.
- B. One of the routers has two connected serial interfaces.

- C. R1 and R3 are in the same subnet.
- D. PC-A and PC-B are in the same subnet.
- E. The subnet of PC-C can contain 256 hosts.

Correct Answer: BE

## QUESTION 12

Refer to the exhibit.

```
Code:
import requests

url = 'https://en.wikipedia.org/api/rest_v1/page/title/Cisco_Systems'
s = requests.Session()

def get_json(session=None, url="https://example.com"):
    try:
        if not session or type(session) is not requests.sessions.Session:
            raise Exception("Invalid session type")

        r = session.get(url)

        if r.status_code < 200 or r.status_code > 307:
            raise Exception("Status Code not within 2xx and 3xx")

        return r.json()

    except requests.exceptions.RequestException as e:
        raise e("Request failed")
    finally:
        session.close()

if __name__ == "__main__":
    items = get_json(session=s, url=url)
    [REDACTED]
```

```
payload:
{'items': [{'title': 'Cisco_Systems', 'page id': 51746, 'rev': 930604297,
'tid': '58b40b30-20e7-11ea-a7a9-f1850c7cfe85', 'namespace': 0, 'user_id':
19450869, 'user_text': 'Dhruvh
', 'timestamp': '2019-12-13T16:47:52Z', 'comment': '/* 1984-1995: Origins
and initial growth */', 'tags': [], 'restrictions': [], 'page_language':
'en', 'redirect': False}]}
```

Which command needs to be placed on the box where the code is missing to output the value of page\_id in the Python 3.7 script?



- A. 

```
print(items['items']['page_id'])
```
- B. 

```
print(items.get('items').get('page_id'))
```
- C. 

```
print(items.get('items')[0].get('page_id'))
```
- D. 

```
print(items['items']['page_id'].keys())
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

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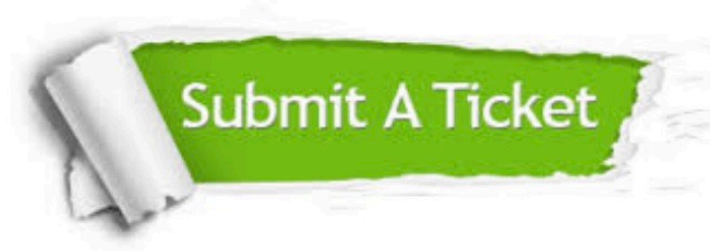
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