



# 350-901<sup>Q&As</sup>

Developing Applications Using Cisco Core Platforms and APIs  
(DEVCOR)

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## QUESTION 1

### DRAG DROP

Refer to the exhibit. The Python script is supposed to make an API call to Cisco DNA Center querying a wireless profile for the "ChicagoCampus" and then parsing out its enable FlexConnect value. Drag and drop the parts of the Python code from the left onto the item numbers on the right that match the missing sections in the exhibit.



GET		/dna/intent/api/v1/wireless/profile	Get Wireless Profile
Gets either one or all the wireless network profiles if no name is provided for network-profile.			
Parameters			
Name		Description	
profileName		Default value:	
string			
(query)			
Responses			
Code	Description		
200	The request was successful. The result is contained in the response body.		
Example Value Model			
<pre>[   {     "profileDetails": {       "name": "string",       "sites": [         "string"       ],       "ssidDetails": [         {           "name": "string",           "type": "Guest",           "enabledFabric": true,           "flexConnect": {             "enableFlexConnect": true,             "localToVlan": 0           },           "InterfaceName": "string"         }       ]     }   } ]</pre>			

```
import requests
import json

def get_dnac_wireless_profiles():
    try:
        url = "https://sandboxdnac2.cisco.com/dna/intent/api/v1 \
+ "/wireless/profile?<item1>=ChicagoCampus|"

        print(token)
        payload = {}
        headers = {
            'x-auth-token': token
        }

        response = requests.request("GET", url, headers=headers, data = payload)
        response.raise_for_status()
        return response.json()[0][['<item 2>']][['<item 3>'] \
        ['<item 4>']][['<item 5>']][["<item 6>"]]

    except Exception as e:
        print(e)

def create_dnac_token():
    try:
        url = "https://sandboxdnac2.cisco.com/dna/system/api/v1/auth/token"

        payload = {}
        headers = {
            'Authorization': 'Basic ZGV2bmV0dXNlcjpwDaXNjbzEyMyE= ',
            'Content-Type': 'application/json'
        }

        response = requests.request("POST", url, headers=headers, data = payload)
        response.raise_for_status()
        return response.json()["Token"]

    except Exception as e:
        print(e)

if __name__ == "__main__":
    token = create_dnac_token()
    print(get_dnac_wireless_profiles())
```



Select and Place:

### Answer Area

0	<item 1>
ssidDetails	<item 2>
profileDetails	<item 3>
profileName	<item 4>
flexConnect	<item 5>
enableFlexConnect	<item 6>

Correct Answer:

### Answer Area

	profileName
	profileDetails
	ssidDetails
	0
	flexConnect
	enableFlexConnect



## QUESTION 2

Refer to the exhibit.

```
import requests
import getpass

device_list = ['192.168.243.1', '192.168.243.2']
port = "8080"

username = input("Enter Username -->")
password = getpass.getpass(prompt="Enter Password: ->")

for device in device_list:
    
    headers = {'Content-Type': 'application/vnd.yang.data+json',\
               'Accept': 'application/vnd.yang.data+json'}

    response = requests.get(url, auth=(username, password),\
                           headers=headers, verify=False)

    print(f"Interfaces present on {device}:")
    for interfaces in response.json():
        print(f"{interfaces}")
```

Cisco IOS XE switches are used across the entire network and the description that is filed for all interfaces must be configured. Which code snippet must be placed in the blank in the script to leverage RESTCONF to query all the devices in the device list for the interfaces that are present?

- ☐ A. 

url="http://" + device + ":" + port + "/api/running/  
interfaces"
- ☐ B. 

url="http://" + device + ":" + port + "/api/running/  
interfaces/interface"
- ☐ C. 

url="http://" + device + ":" + port + "/api/running/  
interfaces/interface/name"
- ☐ D. 

url=http://f"{device\_list}"+{port}/api/running/  
interfaces"

A. Option A



B. Option B

C. Option C

D. Option D

Correct Answer: A

### QUESTION 3

Refer to the exhibit.

```
1 def init_tracer(service):
2     logging.getLogger('').handlers = []
3     logging.basicConfig(format='%(message)s', level=logging.DEBUG)
4     config = Config(
5         config={'sampler': {'type': 'const', 'param': 1,}, 'logging': True,},
6         service_name=service,)
7     return config.initialize_tracer()
8
9 base_url = 'https://sandboxdnac.cisco.com/'
10
11     try:
12         dnac = DNACenterAPI(username='devnetuser', password='Cisc0123!',
13                             base_url=base_url, version='1.3.3',
14                             verify=False)
15         print('auth passed')
16     except Exception as e:
17         print('failed')
18
19     try:
20         devices = dnac.devices.get_device_list()
21         devices = devices['response']
22
23         devices = [device['hostname'] for device in devices]
24         print(devices)
25     except Exception as e:
26         print('Failed to get devices')
```

An application is created to serve the needs of an enterprise. Slow performance now impacts certain API calls, and the application design lacks observability. Which two commands improve observability and provide an output that is similar to the sample output? (Choose two.)





- ☐ A. `dnac-tracer3 = init_tracer('dnac-tracer3')`
- ☐ B. `with dnac-tracer3.start_span('dnac-api-calls') as span:`
- ☐ C. `with tracer.start_span('dnac-api-calls') as span:`
- ☐ D. `dnac-tracer3.start_span('dnac-api-calls') as span:`
- ☐ E. `tracer = init_tracer('dnac-tracer3')`

A. Option A

B. Option B

C. Option C

D. Option D

E. Option E

Correct Answer: CE

---

#### QUESTION 4

DRAG DROP

Refer to the exhibit.



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```
def process_incoming_message( ):

    # Get the webhook data
    webhook_data = inbound_webhook_request.json

    # Determine the Teams Room to send reply to
    room_id =

    # Get the details about the message that was sent.
    message_id =
    message = teams.messages.get(message_id)

    # Verify message isn't from bot
    if  in teams.people.me().id:

        return ""
```

Correct Answer:



```
def process_incoming_message(

inbound_webhook_request

):  
    # Get the webhook data  
    webhook_data = inbound_webhook_request.json  
  
    # Determine the Teams Room to send reply to  
    room_id = 

webhook_data["data"]  
["roomId"]

  
    # Get the details about the message that was sent.  
    message_id = 

webhook_data["data"]["id"]

  
    message = teams.messages.get(message_id)  
  
    # Verify message isn't from bot  
    if 

message.personId

 in teams.people.me().id:  
        return ""
```

webhook\_data["roomId"]

message.toPersonId

## QUESTION 5

### DRAG DROP

Drag and drop the code from the bottom onto the box where the code is missing to construct a UCS XML API request to generate two service profiles from the template org- root/is-service-template. Not at options are used.

Select and Place:



```
<lsInstantiateNNamedTemplate
  dn="org-root/ls-service-template"
  cookie="<cookie>"
  inTargetOrg="org-root"
  inHierarchical= [ ] >
  <inNameSet>
    < [ ] ="service-profile-a"/>
    <dn value= [ ] />
    < [ ] >
  </lsInstantiateNNamedTemplate>
```

Correct Answer:



```
<lsInstantiateNNamedTemplate
  dn="org-root/ls-service-template"
  cookie="<cookie>"
  inTargetOrg="org-root"
  inHierarchical= [no] >
  <inNameSet>
    < [dn value] ="service-profile-a"/>
    <dn value= [ "service-profile-b" ] />
  < [ /inNameSet ] >
</lsInstantiateNNamedTemplate>
```

  
  
  
  
  
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