

# Cisco

## Exam Questions 300-635

Automating and Programming Cisco Data Center Solutions (DCAUTO)



### NEW QUESTION 1

#### DRAG DROP

A file named myfunc.py has been edited. Drag and drop the steps from the left that ensure that this file is committed to the local Git repository and verify its status into the correct order on the right. Not all options are used.

Select and Place:

- A. Mastered
- B. Not Mastered

**Answer: A**

### NEW QUESTION 2

A set of automation scripts work with no issue from a local machine, but an experiment needs to take place with a new package found online. How is this new package isolated from the main code base?

- A. Add the new package to your requirements.txt file.
- B. Create a new virtual machine and perform a pip install of the new package.
- C. Perform a pip install of the new package when logged into your local machine as root.
- D. Create a new virtual environment and perform a pip install of the new package.

**Answer: D**

### NEW QUESTION 3

Which Ansible playbook fragment returns the fewest queried ACI endpoint groups?

- A.
- ```
- name: GET EPGs
aci_epg:
  host: "{{ inventory_hostname }}"
  username: "{{ username }}"
  password: "{{ password }}"
  validate_certs: no
  state: query
```
- B.
- ```
- name: GET EPGs
aci_epg:
  host: "{{ inventory_hostname }}"
  username: "{{ username }}"
  password: "{{ password }}"
  validate_certs: no
  tenant: prod_tenant
  state: query
  ap: internet
```
- C.
- ```
- name: GET EPGs
aci_epg:
  host: "{{ inventory_hostname }}"
  username: "{{ username }}"
  password: "{{ password }}"
  validate_certs: no
  tenant: prod_tenant
  state: query
  epg: web
```
- D.
- ```
- name: GET EPGs
aci_epg:
  host: "{{ inventory_hostname }}"
  username: "{{ username }}"
  password: "{{ password }}"
  validate_certs: no
  tenant: prod_tenant
  state: query
  ap: internet
  epg: web
```

**Answer: D**

### NEW QUESTION 4

```
import requests

USER = "admin"
PASS = "password"
APIC = 'https://apic.supereats.com'

OPERATION = 'api/aaaLogin.json'
DATA = {"aaaUser": {"attributes": {"name": USER, "pwd": PASS}}}
RESPONSE = requests.post(APIC+OPERATION, json=DATA, verify=False)

TOKEN = RESPONSE.json()["imdata"][0]["aaaLogin"]["attributes"]["token"]
COOKIE = {'APIC-cookie': TOKEN}

OPERATION = 'api/aaaLogout.json'
DATA = {
    "aaaLogout": {
        "attributes": {
            "token": TOKEN
        }
    }
}
RESPONSE = requests.post(APIC+OPERATION, json=DATA, cookies=COOKIE, verify=False)
```

Which Python snippets create an application policy named OrderProcess that contains two application endpoint groups under Tenant SuperEats using direct calls to the ACI REST API? Assume that authentication and library imports are correct. A.

```
OPERATION = 'api/node/mo/uni.json'
DATA = {
    "FVTenant": {"attributes": {"name": "SuperEats"},
    "children": [{"FVAp": {"attributes": {"name": "OrderProcess"},
        "children": [
            {"FVAEPg": {"attributes": {"name": "app"}}},
            {"FVAEPg": {"attributes": {"name": "web"}}}
        ]
    }
    ]}
}
RESPONSE = requests.post(APIC+OPERATION, json=DATA, cookies=COOKIE)
```

A.

```
OPERATION = 'api/node/mo/uni.json'
DATA = {
    "fvTenant": {"attributes": {"name": "SuperEats"},
    "children": [{"fvAp": {"attributes": {"name": "OrderProcess"},
        "children": [
            {"fvAEPg": {"attributes": {"name": "app"}}},
            {"fvAEPg": {"attributes": {"name": "web"}}}
        ]
    }
    ]}
}
RESPONSE = requests.get(APIC+OPERATION, cookies=COOKIE)
```

B.

```
OPERATION = 'api/node/mo/uni.json'
DATA = {
    "fvTenant": {"attributes": {"rn": "SuperEats"},
    "children": [{"fvAp": {"attributes": {"rn": "OrderProcess"},
        "children": [
            {"fvAEPg": {"attributes": {"rn": "app"}}},
            {"fvAEPg": {"attributes": {"rn": "web"}}}
        ]
    }
    ]}
}
RESPONSE = requests.post(APIC+OPERATION, json=DATA, cookies=COOKIE)
```

C.

```
OPERATION = 'api/node/mo/uni.json'
DATA = {
    "fvTenant": {"attributes": {"name": "SuperEats"},
    "children": [{"fvAp": {"attributes": {"name": "OrderProcess"},
        "children": [
            {"fvAEPg": {"attributes": {"name": "app"}}},
            {"fvAEPg": {"attributes": {"name": "web"}}}
        ]
    }
    ]}
}
RESPONSE = requests.post(APIC+OPERATION, json=DATA, cookies=COOKIE)
```

Answer: D

#### NEW QUESTION 5

Refer to the exhibit.

```
https://APIC_IP/api/class/11PhysIf.xml?query-target-filter=eq(11PhysIf.speed,"10G")
```

Which two statements are true about this API GET request to the ACI APIC? (Choose two.)

- A. The API call creates a new 10G interface in the APIC.
- B. The API call reads information from a managed object.
- C. The API response is encoded in JSON.
- D. The API call reads information from an object class.
- E. The API response is encoded in XML.

**Answer:** BE

#### NEW QUESTION 6

What is the default data encoding for the response output of the ACI APIC API inspector?

- A. CSV
- B. JSON
- C. XML
- D. YAML

**Answer:** B

#### NEW QUESTION 7

Refer to the exhibit.

```
from cobra.mit.access import MoDirectory
from cobra.mit.session import LoginSession
from cobra.model.pol import Uni
from cobra.model.fv import Tenant
from cobra.mit.request import ConfigRequest

uri = 'https://APIC_IP/'
user = 'APIC_USERNAME'
pw = 'APIC_PW'

ls = LoginSession(uri, user, pw)
md = MoDirectory(ls)
md.login()

topMo = Uni(' ')

c = ConfigRequest()
c.addMo(fvTenant)
md.commit(c)

md.logout()
```

The code should create a new tenant named Cisco via the Cobra SDK, which shows up after the execution of this script in the APIC dashboard. Which code must be inserted into the red box to create this tenant?

- A. fvTenant = NewTenant(name='Cisco')
- B. tenant = Tenant(topM
- C. name='Cisco')
- D. fvTenant = Tenant(topMo, name='Cisco')
- E. fvTenant = Tenant('Cisco')

**Answer:** C

#### NEW QUESTION 8

When should the API Inspector be used?

- A. to send an API request to the APIC
- B. to learn or identify the sequence of API calls for a specific operation in the APIC GUI
- C. to verify the XML structure of an object based on a specific operation in the APIC GUI
- D. to launch an Ansible playbook

**Answer:** C

#### NEW QUESTION 9

Which action allows Docker daemon persistence during switchover on the Cisco Nexus 9500 Series Switches running Cisco NX-OS?

- A. Change the Docker configuration to include the live restore option.
- B. Copy the dockerpart file manually to the standby supervisor after performing the switchover.

- C. Copy the dockerpart file manually to the standby supervisor before performing the switchover.  
D. The system takes automatic action.

**Answer: C**

#### NEW QUESTION 10

Refer to the exhibit.

Switch configuration	Ansible playbook
<pre>!Command: show running-config ! feature hsrp ! ip access-list allow_http_traffic 10 permit tcp any any eq www ! vrf context management ip route 0.0.0.0/0 192.168.151.2 ! interface mgmt0 ip address 192.168.251.129 255.255.255.0 vrf member management</pre>	<pre>--- - name: Vlan Provisioning   hosts: nxos   gather_facts: no    vars:     nxos_provider:       username: "{{ un }}"       password: "{{ pwd }}"       transport: nxapi       host: "{{ inventory_hostname }}"    tasks:      - name: CREATE VLANS AND ASSIGN A NAME, USING VLAN_ID       nxos_vlan:         vlan_id: "{{ item.vlan_id }}"         name: "{{ item.name }}"         provider: "{{ nxos_provider }}"       with_items:         - vlan_id: 2           name: Native         - vlan_id: 15           name: Web         - vlan_id: 20           name: App         - vlan_id: 30           name: DB</pre>

  

**Playbook output**

```
$ ansible-playbook playbook.yml

PLAY [Vlan Provisioning]*****
*****

TASK [CREATE VLANS AND ASSIGN A NAME, USING VLAD_ID]*****
*****
failed: [192.168.251.129] (item={'vlan_id': 2, 'name': 'Native'}) => {"ansible_facts": {"discovered_interpreter_python": "/usr/bin/python"}, "ansible_loop_var": "item", "changed": false, "item": {"name": "Native", "vlan_id": 2}, "msg": "Request failed: <urlopen error [Errno 61] Connection refused>" "status": -1, "url": "http://192.168.251.129:80/ins")
```

The exhibit shows a Cisco NX-OS switch configuration, an Ansible playbook, and the output of running this playbook. The playbook failed due to error "msg" 'Request failed <urlopen error [Errno 61] Connection refused>', 'status' -1, "url" "http://192.168.251.129:80/ins".

Which Cisco NX-OS configuration command resolves this failure?

- A. feature nxapi  
B. http-server enabled  
C. interface mgmt0; ip access-group allow\_http\_traffic in  
D. feature http

**Answer: A**

#### NEW QUESTION 10

Refer to the exhibit.

```
switch#
switch#
switch#
switch# run bash
      ^

% Invalid command at "^" marker.
switch#
switch#
```

Which configuration change command must be run on the Cisco NX-OS device to make this command work?

- A. enable bash-shell  
B. bash-shell enable  
C. service bash-shell  
D. feature bash-shell

**Answer: D**

#### NEW QUESTION 15

Which Ansible playbook creates a new VLAN 10 named Web?

- A.



```
- name: Provision VLAN
hosts: accessswitches
gather_facts: no

vars:
  nxos_provider:
    username: "{{ un }}"
    password: "{{ pwd }}"

tasks:
  - name: Create VLAN And Assign A Name
    nxos_vlan:
      vlan_id: 10
      name: Web
      provider: "{{ nxos_provider }}"
```

B.

```
- name: Provision VLAN
hosts: accessswitches
gather_facts: no

vars:
  nxos_provider:
    username: "{{ un }}"
    password: "{{ pwd }}"
    transport: nxapi
    host: "{{ inventory_hostname }}"

tasks:
  - name: Create VLAN And Assign A Name
    nxos_vlan:
      vlan_id: 10
      name: Web
      provider: "{{ nxos_provider }}"
```

C.

```
- name: Provision VLAN
hosts: accessswitches
gather_facts: no

vars:
  nxos_provider:
    username: "{{ un }}"
    password: "{{ pwd }}"
    transport: nxapi
    host: "{{ inventory_hostname }}"

tasks:
  - name: Create VLAN And Assign A Name
    nxos_vlan:
      interfaces: vlan-10
      name: Web
```

D.

```
- name: Provision VLAN
  hosts: accessswitches
  gather_facts: no

  vars:
    nxos_provider:
      username: "{{ un }}"
      password: "{{ pwd }}"
      transport: nxapi
      host: "{{ inventory_hostname }}"

  tasks:
    - name: Create VLAN And Assign A Name
      nxos_vlan:
        vlan_id: 10
        name: Web
        provider: "{{ nxos_provider }}"
```

**Answer:** D

#### NEW QUESTION 19

Which two capabilities apply to the DCNM API? (Choose two.)

- A. DCNM provides an XML-based SOAP API.
- B. DCNM requires a license to use the API.
- C. Some features of DCNM must be configured through the GUI.
- D. All API operations can be performed using the DCNM GUI.
- E. DCNM provides a REST-based API.

**Answer:** AE

#### NEW QUESTION 22

Refer to the exhibit.

```
Dn
--
sys/chassis-4/blade-1
sys/chassis-4/blade-3
sys/chassis-4/blade-5
sys/chassis-4/blade-7
sys/chassis-5/blade-1
```

Which two Cisco UCS PowerTool commands provide this output? (Choose two.)

- A. Get-UcsServer | Select-Object Dn
- B. Get-UcsRack Systems | Select-Object Dn
- C. Get-UcsBlade | Select-Object Dn
- D. Get-UcsRackUnit | Select-Object Dn
- E. Get-UcsSystems | Select-Object Dn

**Answer:** AC

#### NEW QUESTION 23

Refer to the exhibit.

```
1  from ucsmsdk.ucshandle import UcsHandle
2  from ucsmsdk.mometa.fabric.FabricVlan import FabricVlan
3
4  handle = UcsHandle("corpucsm.example.com", "admin", "MySecretPassword")
5  handle.login()
6
7  fabric_lan_dn = handle.query_dn("fabric/lan")
8  newvlan = FabricVlan(parent_mo_or_dn=fabric_lan_dn,
9                        name="vlan10",
10                       id="10")
11
12  handle.add_mo(newvlan)
13
14  handle.logout()
```

Which change allows the code to configure VLAN 10 in the Cisco UCS?

- A. Lines 8 and 9 should have a line continuation \ at the end.
- B. Line 13 should include "handle.commit()".
- C. Line 4 should include transport 443 option.
- D. Line 3 should add an import for query\_dn.

**Answer: C**

#### NEW QUESTION 25

Which programming language are the Cisco UCS Director custom workflow tasks written in?

- A. C++
- B. Python
- C. Java
- D. Cloupia Script

**Answer: C**

#### NEW QUESTION 28

DRAG DROP

Drag and drop the items to complete the request to retrieve the current firmware of Cisco UCS devices from the Cisco Intersight API. Not all items are used. Select and Place:

- A. Mastered
- B. Not Mastered

**Answer: A**

#### NEW QUESTION 32

Refer to the exhibit.

```
1  ---
2  # Playbook: VLAN configuration using the [ucs] hosts group
3  - hosts: ucs
4    connection: local
5    gather_facts: no
6    tasks:
7      - name: Configure VLAN
8
9        hostname: "{{ ucs_hostname }}"
10       username: "{{ ucs_username }}"
11       password: "{{ ucs_password }}"
12       state: "{{ ucs_state }}"
13       name: vlan10
14       id: '10'
15       native: 'no'
```

Which Ansible module is needed in line 8 to create a new VLAN 10 on the hosts defined in the "ucs" group?

- A. vlan
- B. ucs\_vlans
- C. vlans
- D. nxos\_vlans

**Answer: B**

#### NEW QUESTION 35



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