



# 300-635<sup>Q&As</sup>

Automating and Programming Cisco Data Center Solutions (DCAUTO)

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**QUESTION 1**

Which Cisco UCS PowerTool commands initiate a Cisco UCS Manager connection?

- A. 

```
$ucsadm creds = New-Object -TypeName System.Management.Automation.PSCredential
    "admin", $(SecureString -PlainText "MySecretPassword")
Connect-Ucs -Name myucsm.example.com -Credential $ucsadm_creds
```
- B. 

```
$ucsadm_creds = New-Object -TypeName System.Management.Automation.PSCredential
    -ArgumentList "admin", $(ConvertTo-SecureString -Force -AsPlainText "MySecretPassword")
Connect-Ucs -Name myucsm.example.com -Credential $ucsadm_creds
```
- C. 

```
$ucsadm_creds = New-Object -TypeName System.Management.Automation.PSCredential
    -ArgumentList username "admin", password:$(ConvertTo-SecureString "MySecretPassword")
Connect-Ucs -Name myucsm.example.com -Credential $ucsadm_creds
```
- D. 

```
$ucsadm_creds = New-Object -TypeName System.Management.Automation.PSCredential
    -ArgumentList $(ConvertTo-SecureString -Force -AsPlainText "admin:MySecretPassword")
Connect-Ucs -Name myucsm.example.com -Credential $ucsadm_creds
```

- A. Option A  
B. Option B  
C. Option C  
D. Option D

Correct Answer: B

Reference: <https://blogs.cisco.com/developer/cisco-ucs-automation-part2-a-step-by-step-guide-to-connecting-and-disconnecting-using-ucs-powertool>

**QUESTION 2**

Which two statements apply to authentication when using the Cisco Intersight API? (Choose two.)

- A. Each API Key can be assigned specific roles but not privileges.  
B. Secret Key is only available at API Key creation time.  
C. An API Key is composed of a Key ID and Secret Key.  
D. The user credentials for the cisco.com accounts are shared with the Cisco Intersight Web Service.



E. An API Key is composed of a keyId and sessionCookie.

Correct Answer: BD

Reference: <https://community.cisco.com/t5/data-center-documents/intersight-api-overview/ta-p/3651994>

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### QUESTION 3

Which procedure accesses the REST API browser within Cisco UCS Director?

- A. Send an HTTP GET request to [https://\[UCS Director IP\]/api/get\\_resources/](https://[UCS Director IP]/api/get_resources/).
- B. Log in as the user REST/user to access the REST API interface.
- C. Enable the Developer menu. Select Orchestration in the UI, then select the REST API browser tab.
- D. Select the API browser from the Cisco UCS Director End User Portal catalog of services.

Correct Answer: C

Reference:

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-director/rest-api-getting-started-guide/6-5/cisco-ucs-director-REST-API-getting-started-65.html#task\\_CE85B54B1DB64855BB3BECCD24C31F5B](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/rest-api-getting-started-guide/6-5/cisco-ucs-director-REST-API-getting-started-65.html#task_CE85B54B1DB64855BB3BECCD24C31F5B)

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### QUESTION 4

What is the top level in the ACI Management Information Tree?

- A. topRoot
- B. polUni
- C. fabricTopology
- D. fabric Pod

Correct Answer: A

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### QUESTION 5

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
```



- A. Option A
- B. Option B
- C. Option C
- D. Option D

Correct Answer: D

Reference: [https://docs.ansible.com/ansible/latest/modules/aci\\_epg\\_module.html](https://docs.ansible.com/ansible/latest/modules/aci_epg_module.html)

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#### QUESTION 6

Which option are L4-L7 devices registered as on a Cisco APIC?

- A. one virtual device
- B. a cluster
- C. one physical device
- D. more virtual devices

Correct Answer: B

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#### QUESTION 7

What is a description of a Cisco UCS Director script module?

- A. function to convert internal workflow tasks into Python scripts
- B. place to store custom workflow scripts, jars, and custom lists of values for use in custom workflow tasks
- C. place to store external scripts that are not related to Cisco UCS Director
- D. place to store imported scripts, Bash, and custom Python code for use in custom workflow tasks

Correct Answer: B

Reference: [https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-director/orchestration-guide/60/b\\_UCS\\_Director\\_Orchestration\\_Guide\\_6\\_0/b\\_UCS\\_Director\\_Orchestration\\_Guide\\_6\\_0\\_chapter\\_0\\_1010.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/orchestration-guide/60/b_UCS_Director_Orchestration_Guide_6_0/b_UCS_Director_Orchestration_Guide_6_0_chapter_0_1010.html)

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#### QUESTION 8

Which two items are types of application isolation options available when Kubernetes is deployed with the ACI CNI plugin? (Choose two.)

- A. VM Isolation
- B. Cluster Isolation



- C. Server Isolation
- D. Process Isolation
- E. Namespace Isolation

Correct Answer: BE

Reference : <https://cloud.google.com/kubernetes-engine/docs/concepts/multitenancy-overview>

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## QUESTION 9

Refer to the exhibit.



```
def add_tenant():
    token = apic_login.aaaLogin()
    for tenant in range (1,10):
        try:
            response = requests.post(
                url=constant.APIC_URL + "/api/node/mo/uni/tn-exam%s.json" % (tenant),
                headers={
                    "Cookie": "APIC-cookie=" + token,
                    "Content-Type": "application/json; charset=utf-8",
                },
                data=json.dumps({
                    "fvTenant": {
                        "attributes": {
                            "status": "created",
                            "dn": "uni/tn-exam%s" % (tenant),
                            "name": "exam%s" % (tenant),
                            "rn": "tn-exam%s" % (tenant)
                        },
                        "children": [
                        ]
                    }
                })
            )
            print('Response HTTP Status Code: {status_code}'.format(
                status_code=response.status_code))
            print('Response HTTP Response Body: {content}'.format(
                content=response.content))
        except requests.exceptions.RequestException:
            print('HTTP Request failed')
    add_tenant()
```

Assuming a new ACI instance, what is the result when this script is run?

- A. Ten objects are created and subsequently deleted.
- B. Nine objects are created.
- C. An exception is thrown.
- D. Ten objects are created.



Correct Answer: B

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#### QUESTION 10

Which two network protocols does Cisco NX-OS iPXE support? (Choose two.)

- A. IPv6
- B. SFTP
- C. SSH
- D. IPv4
- E. UNFS

Correct Answer: AD

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/93x/programmability/guide/b-cisco-nexus-9000-series-nx-os-programmability-guide-93x/b-cisco-nexus-9000-series-nx-os-programmability-guide93x\\_chapter\\_01001.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/93x/programmability/guide/b-cisco-nexus-9000-series-nx-os-programmability-guide-93x/b-cisco-nexus-9000-series-nx-os-programmability-guide93x_chapter_01001.html)

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#### QUESTION 11

Which two HTTP methods are supported by the Cisco Nexus REST API? (Choose two )

- A. PUT
- B. POST
- C. DELETE
- D. UPDATE
- E. CONNECT

Correct Answer: BC

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#### QUESTION 12

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(topMo. name='Cisco')`
- C. `fvTenant = Tenant(topMo, name='Cisco')`
- D. `fvTenant = Tenant('Cisco')`



Correct Answer: C

Reference: <https://cobra.readthedocs.io/en/latest/api-examples/>

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### QUESTION 13

What are two capabilities of the DCM REST API? (Choose two.)

- A. uses the dcm-token header for requests authentication after initial basic authentication
- B. uses basic authentication without encoding for username and password
- C. supports HTTP until release 11.0(1)
- D. uses bearer key authorization
- E. is separated into Classic LAN, LAN Fabric, Media Controller, and SAN Management categories

Correct Answer: CD

Reference:

<https://developer.cisco.com/docs/data-center-network-manager/#!cisco-dcm-classic-lan-rest-api> Check for /rest/logon

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### QUESTION 14

What must be configured to allow SNMP traffic on ACI switches?

- A. an out-of-band contract
- B. an out-of-band management interface
- C. SNMP relay Policy
- D. an out-of-band bridge domain

Correct Answer: A

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### QUESTION 15

What are two main guiding principles of REST? (Choose two.)

- A. cacheable
- B. trackable
- C. stateless
- D. single-layer system
- E. stateful



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Correct Answer: CD

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