



**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 two statements about gRPC are true? (Choose two.)

- A. It is an IETF draft.
- B. It is an IETF standard.
- C. It runs over SSH.
- D. It is an open source initiative.
- E. It runs over HTTPS.

**Answer:** AE

#### NEW QUESTION 4

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

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

**Answer:** AC

#### NEW QUESTION 5

Refer to the exhibit.

```
mo_dir = cobra.mit.access.MoDirectory(cobra.mit.session.LoginSession(apic_url, username, password))
mo_dir.login()
cq = cobra.mit.access.ClassQuery('fvCEp')
cq.subtree = 'full'
objlist = mo_dir.query(cq)
for mo in objlist:
    print "MAC: " + mo.mac + "|" + "IP: " mo.ip
```

Which action does the execution of this ACI Cobra Python code perform?

- A. It prints all LLDP neighbor MAC and IP addresses.
- B. It prints all Cisco Discovery Protocol neighbor MAC and IP addresses.
- C. It prints all endpoint MAC and IP addresses.
- D. It prints all APIC MAC and IP addresses.

**Answer:** C

#### NEW QUESTION 6

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.

**Answer: D**

#### NEW QUESTION 7

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
    epq: web
```
- D.
 

```
- name: GET EPGs
  aci_epg:
    host: "{{ inventory_hostname }}"
    username: "{{ username }}"
    password: "{{ password }}"
    validate_certs: no
    tenant: prod_tenant
    state: query
    ap: internet
    epq: web
```

**Answer:** D

#### NEW QUESTION 8

How is an ACI class name composed?

- A. :Method
- B. ClassName:Method
- C. Package:ClassName
- D. MitName:Method

**Answer:** C

#### NEW QUESTION 9

Which Python code creates a VRF in an ACI tenant using the Cobra SDK?

- A. Vrf(fvTenant(uniMo, 'CustA'), 'CustA\_VRF')
- B. Ctx(Tenant(uniMo, 'CustA'), 'CustA\_VRF')
- C. Vrf(Tenant(uniMo, 'CustA'), 'CustA\_VRF')
- D. Ctx(fvTenant(uniMo, 'CustA'), 'CustA\_VRF')

**Answer:** B

#### NEW QUESTION 10

DRAG DROP

Drag and drop the correct YAML components from the bottom onto the correct blanks within the Ansible playbook to create a new application profile called "DbApp" using the Ansible ACI module. Not all options are used.

Select and Place:

- A. Mastered
- B. Not Mastered

**Answer:** A

#### NEW QUESTION 10

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 14

Which Kubernetes container network interface provides intent-based networking from the same pane of glass that VMs and bare-metal servers are managed?

- A. ACI CNI plug-in
- B. Contiv CNI plug-in
- C. Ingress CNI plug-in
- D. Calico CNI plug-in

**Answer:** A

#### NEW QUESTION 19

What is the network bootstrap program used by Cisco NX-OS iPXE?

- A. NETBOOT
- B. NX-OS iPXE
- C. iPXE-POAP
- D. Mini-OS

**Answer:** A

#### NEW QUESTION 23

When the Cisco bigmuddy-network-telemetry-collector from GitHub is used, which command displays only the message headers?

- A. --print B.--all
- B. --brief
- C. --print-all

**Answer:** C

#### NEW QUESTION 26

What are two differences between SNMP and model-driven telemetry? (Choose two.)

- A. SNMP uses a continuous stream model.
- B. SNMP uses a push model.
- C. SNMP uses a pull model.
- D. Model-driven telemetry uses a pull model.
- E. Model-driven telemetry uses a push model.

Answer: CE

NEW QUESTION 27

DRAG DROP

After a Cisco Nexus switch interface is enabled and in the up state, an engineer must automate the configuration of the interface descriptions using the EEM Python Module. Drag and drop the steps the engineer must take from the left into the correct order on the right. Select and Place:

event syslog pattern "IF_UP"	step 1
exit	step 2
event manager applet link monitor	step 3
conf t	step 4
action 1 cli command "source cdp_description.py"	step 5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

event syslog pattern "IF_UP"	conf t
exit	event manager applet link monitor
event manager applet link monitor	event syslog pattern "IF_UP"
conf t	action 1 cli command "source cdp_description.py"
action 1 cli command "source cdp_description.py"	exit

NEW QUESTION 28

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
    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 29  
DRAG DROP

When a switch boots it does not find its startup-config file. Drag and drop the steps that Power-On Auto Provisioning goes through to configure the switch for remote management from the left into the correct order on the right. Not all options are used.

Select and Place:

|                                                                                                                              |        |
|------------------------------------------------------------------------------------------------------------------------------|--------|
| DHCP assigns the switch an IP address, default gateway, and IP address that are tracked by the Domain Name System server.    | step 1 |
| The switch searches for a Domain Host Configuration Protocol service on the network.                                         | step 2 |
| The switch launches a container with Contiv.                                                                                 | step 3 |
| POAP gets the IP address of a script server, downloads the correct script for the switch, and runs the script on the switch. |        |

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

|                                                                                                                              |                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DHCP assigns the switch an IP address, default gateway, and IP address that are tracked by the Domain Name System server.    | The switch searches for a Domain Host Configuration Protocol service on the network.                                         |
| The switch searches for a Domain Host Configuration Protocol service on the network.                                         | DHCP assigns the switch an IP address, default gateway, and IP address that are tracked by the Domain Name System server.    |
| The switch launches a container with Contiv.                                                                                 | POAP gets the IP address of a script server, downloads the correct script for the switch, and runs the script on the switch. |
| POAP gets the IP address of a script server, downloads the correct script for the switch, and runs the script on the switch. |                                                                                                                              |

#### NEW QUESTION 32

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 35

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

- A. 

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

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

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

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

Answer: B

#### NEW QUESTION 37

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 41

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 men
- D. Select Orchestration in the UI, then select the REST API browser tab.
- E. Select the API browser from the Cisco UCS Director End User Portal catalog of services.

**Answer:** C

#### NEW QUESTION 44

Which step must be taken to enable the REST API browser within Cisco UCS Director?

- A. Edit the user profile and enable developer options.
- B. Raise a case with TAC.
- C. The REST API browser is automatically enabled in Cisco UCS Director when a Power User is created.
- D. Log in as the user "REST".

**Answer:** A

#### NEW QUESTION 48

Refer to the exhibit.

```
1  from ucsm.sdk.ucshandle import UcsHandle
2  from ucsm.sdk.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 52



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 55

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 57

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 61

DRAG DROP

A co-worker is using Cisco Intersight to determine the maximum available memory per server for their company's data center. Drag and drop the code to complete the Cisco Intersight API call that provides the desired results. Not all options are used.

Select and Place:

- A. Mastered
- B. Not Mastered

**Answer:** A

#### NEW QUESTION 62

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