

Cisco

Exam Questions 300-635

Automating and Programming Cisco Data Center Solutions (DCAUTO)



NEW QUESTION 1

DRAG DROP

Drag and drop the code to complete an Ansible playbook that creates a new tenant. Not all options are used.
 Select and Place:

- A. Mastered
- B. Not Mastered

Answer: A

NEW QUESTION 2

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 3

```
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 4

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

- A. VM Isolation
- B. Cluster Isolation
- C. Server Isolation
- D. Process Isolation
- E. Namespace Isolation

**Answer: BE**

#### NEW QUESTION 5

Which two components are attributes of an ACI MIT managed object? (Choose two.)

- A. MO
- B. RN
- C. UNI

- D. DN
- E. URL

**Answer:** BD

#### NEW QUESTION 6

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 7

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 8

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 9

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 he 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 10

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 10

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 12

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 16

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> |
| <b>Playbook output</b><br><pre>\$ ansible-playbook playbook.yml  PLAY [Vlan Provisioning]***** *****  TASK [CREATE VLANS AND ASSIGN A NAME, USING VLAN_ID]***** ***** failed: [192.168.251.129] (item={'vlan_id': 2, 'name': 'Native'}) =&gt; {"ansible_facts": {"discovered_interpreter_python": "/usr/bin/python"}, "ansible_loop_var": "item", "changed": false, "item": "name": "Native", "vlan_id": 2}, "msg": "Request failed: &lt;urlopen error [Errno 61] Connection refused&gt;" "status": -1, "url": "http://192.168.251.129:80/ins")</pre> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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 21

Which two bootstrap technologies are supported by Cisco NX-OS platforms? (Choose two.)

- A. iPXE
- B. PNP
- C. POAP
- D. BOOTP
- E. DHCP

**Answer: AC**



### NEW QUESTION 23

Refer to the exhibit.

```
[admin@guestshell ~]$ pwd
/home/admin
[admin@guestshell ~]$
[admin@guestshell ~]$
[admin@guestshell ~]$ more deltacounter.py
#!/isan/bin/python

from cli import *
import sys, time

ifName = sys.argv[1]
delay = 2
count = 5
cmd = 'show interface ' + ifName + ' counters'

out = json.loads(clid(cmd))
rxuc = int(out['TABLE_rx_counters']['ROW_rx_counters'][0]['eth_inucast'])
rxmc = int(out['TABLE_rx_counters']['ROW_rx_counters'][1]['eth_inmcast'])
rxbc = int(out['TABLE_rx_counters']['ROW_rx_counters'][1]['eth_inbcast'])
txuc = int(out['TABLE_tx_counters']['ROW_tx_counters'][0]['eth_outucast'])
txmc = int(out['TABLE_tx_counters']['ROW_tx_counters'][1]['eth_outmcast'])
txbc = int(out['TABLE_tx_counters']['ROW_tx_counters'][1]['eth_outbcast'])
print ('row rx_ucast rx_mcast rx_bcast tx_ucast tx_mcast tx_bcast')
print ('=====')
print (' %8d %8d %8d %8d %8d %8d' % (rxuc, rxmc, rxbc, txuc, txmc, txbc))
print ('=====')

i = 0
while (i < count):
 time.sleep(delay)
 out = json.loads(clid(cmd))
 rxucNew = int(out['TABLE_rx_counters']['ROW_rx_counters'][0]['eth_inucast'])
 rxmcNew = int(out['TABLE_rx_counters']['ROW_rx_counters'][1]['eth_inmcast'])
 rxbcNew = int(out['TABLE_rx_counters']['ROW_rx_counters'][1]['eth_inbcast'])
 txucNew = int(out['TABLE_tx_counters']['ROW_tx_counters'][0]['eth_outucast'])
 txmcNew = int(out['TABLE_tx_counters']['ROW_tx_counters'][1]['eth_outmcast'])
 txbcNew = int(out['TABLE_tx_counters']['ROW_tx_counters'][1]['eth_outbcast'])
 i += 1
 print ('%-3d %8d %8d %8d %8d %8d %8d' % \
 (i, rxucNew - rxuc, rxmcNew - rxmc, rxbcNew - rxbc, txucNew - txuc, txmcNew - txmc,

```

The script is called deltacounters.py and it is currently inside a Guest Shell container running inside a Cisco NX-OS switch. Which Cisco NX-OS command results in a successful execution of this script?

- A. python /home/admin/bootflash:deltacounters.py ethernet1/1
- B. show python bootflash:deltacounters.py ethernet1/1
- C. guestshell run python /home/admin/deltacounter.py ethernet1/1
- D. guestshell execute python /home/admin/deltacounter.py ethernet1/1

**Answer: C**

### NEW QUESTION 25

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 29

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 34

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 37

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 41

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 44

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

A.

```
$ucs_m_creds = New-Object -TypeName System.Management.Automation.PSCredential "admin", $(SecureString -PlainText "MySecretPassword")

Connect-Ucs -Name myucsm.example.com -Credential $ucs_m_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 47

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 48

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

**Answer:** B

#### NEW QUESTION 49

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 50

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

##### 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 54

A server profile with the string "WEST15" in its name must have the string "WEST15" changed to "LXT14". For example, server profile "VMHOST-WEST15-01" would need to be changed to "VMHOST-LXT14-01".

Using the Cisco Intersight REST API in a Python script, which two GET API requests are used to retrieve just the server profile with the string "WEST15" in the name and the correct body for the API request to update the name? Assume the variable "sp\_name" contains the name of the retrieved server profile. (Choose two.)

- A. GET [https://intersight.com/api/v1/server/Profiles?\\$select=Name&\\$filter=contains\(Name, 'WEST15'\)](https://intersight.com/api/v1/server/Profiles?$select=Name&$filter=contains(Name, 'WEST15'))
- B. GET [https://intersight.com/api/v1/server/Profiles?\\$select=Name&\\$filter=Name in\('WEST15'\)](https://intersight.com/api/v1/server/Profiles?$select=Name&$filter=Name in('WEST15'))
- C. BODY = { "Name": sp\_name.format('WEST15', 'LXT14') }
- D. GET [https://intersight.com/api/v1/server/Profiles?\\$select=Name&\\$filter=startswith\(Name, 'WEST15'\)](https://intersight.com/api/v1/server/Profiles?$select=Name&$filter=startswith(Name, 'WEST15'))
- E. BODY = { "Name": sp\_name.replace('WEST15','LXT14') }

**Answer: AE**

#### NEW QUESTION 57

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