



Cisco

Exam Questions 300-635

Automating and Programming Cisco Data Center Solutions (DCAUTO)

NEW QUESTION 1

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 2

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 3

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 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

How should the Kubernetes manifests be modified to allow Kubernetes environment integration with Cisco ACI?

- A. The metadata section must contain the Cisco APIC management IP.
- B. The manifest does not have to be changed, but the Kubernetes object is not discovered by Cisco ACI if this is not defined in the manifest.
- C. The manifests must include ACI EPG reference.
- D. No change is needed to perform this action.

Answer: D

NEW QUESTION 6

DRAG DROP

Drag and drop the correct code snippets into the Python code to create a new application profile "WebApp" using the ACI REST API. Not all options are used. Select and Place:

- A. Mastered
- B. Not Mastered

Answer: A

NEW QUESTION 7

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 8

Refer to the exhibit.

```
from acitoolkit.acitoolkit import (
    AppProfile, BridgeDomain, Context,
    EPG, Session, Subnet, Tenant
)

def create_tenant():
    session = Session(
        "https://apic", "admin", "ciscopsdt"
    )
    session.login()
    my_tenant = Tenant("DevNet_Tenant")
    my_vrf = Context("DevNet_VRF", my_tenant)
    my_bd = BridgeDomain("DevNet_BD", my_tenant)
    my_bd.add_context(my_vrf)
    my_subnet = Subnet("DevNet_Subnet", my_bd)
    my_subnet.set_scope("public")
    my_subnet.set_addr("10.10.10.1/24")
    my_app = AppProfile("DevNet_App", my_tenant)
    my_epg = EPG("DevNet_EPG", my_app)
    my_epg.add_bd(my_bd)
    session.push_to_apic(
        my_tenant.get_url(),
        my_tenant.get_json()
    )

if __name__ == '__main__':
    create_tenant()
```

Which two actions does this Python code perform with the Cisco ACI? (Choose two.)

- A. It creates a subnet "DevNet_Subnet" inside VRF "DevNet_VRF" located in ACI tenant "DevNet_Tenant" and sets the scope to "private".
- B. It creates a subnet "DevNet_Subnet" inside AppProfile "DevNet_App" located in ACI tenant "DevNet_Tenant" and sets the network address to "10.10.10.1/24".
- C. It creates an EPG "DevNet_EPG" inside AppProfile "DevNet_App" located in ACI tenant "DevNet_Tenant" and link the EPG with BridgeDomain "DevNet_BD".
- D. It creates a subnet "DevNet_Subnet" inside VRF "DevNet_VRF" located in ACI tenant "DevNet_Tenant" and sets the network address to "10.10.10.1/24".
- E. It creates an EPG "DevNet_EPG" inside VRF "DevNet_VRF" located in ACI tenant "DevNet_Tenant" and link the EPG with BridgeDomain "DevNet_BD".

Answer: CD

NEW QUESTION 9

What is a key characteristic of an ACI policy model?

- A. Logical and concrete domains are separated.
- B. All configuration is carried out against concrete entities.
- C. It allows communications with newly connected devices.
- D. Network administrators configure logical and physical system resources directly.

Answer: A

NEW QUESTION 10

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

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

Answer: A

NEW QUESTION 10

Using the NX-API CLI JSON-RPC interface, which two Python data structure and requests call create an SVI? (Choose two.)

A.

```
requests.post(url, data=json.dumps(payload), headers={'content-type':
'application/json-rpc'}, auth=(username, password))
```

```
requests.post(url, data=json.dumps(payload), headers={'content-type':
'application/json'}, auth=(username, password))
```

B.

```
payload = {
    "jsonrpc": "2.0", "method": "cli_conf",
    "params": {
        "command": "conf t; interface vlan " + id,
        "version": 1),
    "id": 1
}
```

A.

```
payload = [
    {
        "jsonrpc": "2.0", "method": "cli",
        "params": {"cmd": "conf t", "version": 1},
        "id": 1
    },
    {
        "jsonrpc": "2.0", "method": "cli",
        "params": {"cmd": "interface vlan " + id, "version": 1},
        "id": 2
    }
]
```

B.

```
payload = {
    "jsonrpc": "2.0", "method": "cli_conf",
    "params": {"cmd": "interface vlan " + id, "version": 1},
    "id": 1
}
```

Answer: AD

NEW QUESTION 12

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' % \
        (i, rxucNew - rxuc, rxmcNew - rxmc, rxbcNew - rxbc, txucNew - txuc, txmcNew - txmc,
[admin@guestshell ~]$
```

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 14

During the process of starting a Python network telemetry collector, which command starts the Cisco bigmuddy-network-telemetry-collector from GitHub?

- A. model driven telemetry

- B. telemetry_receiver.py --ip-address <addr> --port <port>
- C. telemetry_receiver.py --destination <port> --url <url>
- D. streaming telemetry

Answer: B

NEW QUESTION 17

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 18

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 21

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 25

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 26

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

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

Answer: C

NEW QUESTION 29

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 30

Which two components are required from the Cisco Intersight REST API Authentication? (Choose two.)

- A. SHA256 hash of the message body and message headers.
- B. SHA256 hash of the message body, including empty message bodies.
- C. RSA private key with a key size of 2048.
- D. RSA private key with a key size of 1024.
- E. SHA384 hash of the message body, excluding empty message bodies.

Answer: AC

NEW QUESTION 31

Which two statements describe the authentication method used with Cisco Intersight REST API Requests? (Choose two.)

- A. The REST API request contains a base64-encoded signature of the message content and headers.
- B. The REST API request message body is encoded as a SHA384 hash and then signed with the API Key ID.
- C. The Cisco Intersight Web service verifies the signature of incoming request with the RSA public key for the API Key ID.
- D. The incoming REST API request is challenged by the Cisco Intersight Web service with a request for the RSA private key.
- E. The message body is encoded as a SHA256 hash if the message body is not empty and then signed with the API Key ID.

Answer: AD

NEW QUESTION 36

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