



Automating Cisco Data Center Solutions (DCAUTO)



EXAMKILLER

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Cisco

Exam 300-635

Automating Cisco Data Center Solutions (DCAUTO)

Version: 7.0

[Total Questions: 75]

Question No : 1

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

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

Answer: A

Question No : 2

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

Question No : 3

Refer to the exhibit:

```

Switch configuration
[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

Ansible playbook
---
- 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

Playbook output
$ 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'}) => {"ansible_facts": {"discovered_interpreter_python": "/usr/bin/python"}, "ansible_loop_var": "item", "changed": false, "item": {"name": "Native", "vlan_id": 2}, "msg": "Request failed: <urlapi.error Error 61> Connection refused", "status": -1, "url": "https://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: C

Reference:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/configuration/nxos/413/b_Copy_of_b_Cisco_Nexus_5000_Series_NX-OS_Software_Configuration_Guide/Copy_of_b_Cisco_Nexus_5000_Series_NX-OS_Software_Configuration_Guide_chapter22.pdf

Question No : 4

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

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

Answer: B,C

Question No : 5

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,

```

Refer to the exhibit: 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/admjn/bootflash;deltacounters.py ethernet1/1
- B. show python bootf1ash: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

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/166/b_166_programmability_cg/guest_shell.html

Question No : 6 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.

- name: Add a new AP

host: apic

username: admin

password: SomeSecretPassword

description: default ap

tenant_name: MyCompany

app_name: DbApp

ap: DbApp

state: present

application_name: DbApp

aci_ap:

tenant: MyCompany

state: query

Answer:

- name: Add a new AP

aci_ap:

host: apic

username: admin

password: SomeSecretPassword

tenant: MyCompany

ap: DbApp

description: default ap

state: present

tenant_name: MyCompany

app_name: DbApp

ap: DbApp

state: present

application_name: DbApp

aci_ap:

tenant: MyCompany

state: query

Question No : 7

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: D,E

Reference: <https://developer.cisco.com/docs/data-center-network-manager/#!overview>

Question No : 8

An engineer is implementing a Cisco Nexus 9000 Series Switch. To automate the configuration, which command enables Bash on a Cisco NX-OS?

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

Answer: D

Question No : 9

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()
```

Refer to the exhibit, which two actions does this Python code perform with the Cisco ACI? (Choose two.)

It creates a subnet "DevNet_Subnet" inside VRF "DevNet_VRF" located in ACI tenant "DevNet_Tenant" and sets the scope to "private"

- A. 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"
- B. It creates an EPG "DevNet_EPG" inside AppProfile "DevNet_App" located in ACI tenant "DevNet_Tenant" and link the EPG with BridgeDomain "DevNet_BD"
- C. 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".
- D. 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: B,C

Question No : 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**Reference: <https://developer.cisco.com/docs/nx-os/#!pxe-process>**Question No : 11**

Refer to the exhibit.

```
event manager applet eem-correlate
event syslog tag one pattern "copy bootflash:.* running-config.*"
event syslog tag two pattern "copy run start"
event syslog tag three pattern "hello"
tag one or two or three happens 1 in 120
action 1.0 reload module 1
```

What results from the EEM script that runs on a Cisco Nexus 9000 switch?

- A. Module 1 is reloaded if one of the specified console patterns occurs within 120 seconds.
- B. Module 1 is reloaded if one of the specified syslog patterns occurs within 120 seconds.
- C. Module 1 is reloaded if all of the specified syslog patterns occur within 120 seconds.
- D. The message "reload module 1" is printed if one of the specified syslog patterns occurs within 120 seconds

Answer: D**Question No : 12**

What is a feature of model-driven telemetry?

- A. randomizes the data out of the network
- B. continuously streams data out of the network
- C. randomizes the data coming to the network
- D. continuously pulls data out of the network

Answer: B**Question No : 13 DRAG DROP**

A file named myfunc.py has been edited. Drag and drop the steps from 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.

git add .	step 1
git add	step 2
git status	step 3
git commit -m "new function"	
git commit -msg "new function"	

Answer:

git add .	git add .
git add	git commit -m "new function"
git status	git status
git commit -m "new function"	
git commit -msg "new function"	

Explanation:

git add .

git commit -m "new function"

git status

Question No : 14

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()
```