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QUESTION 1

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

Correct Answer: AC

Reference:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/msft_tools/powertools/ucs_powertool_book/ucs_pwrtool_bk11.html

QUESTION 2

Which two Cisco UCS components require drivers?

- A. FNIC
- B. BIOS
- C. CIMC
- D. board controller

E. ENIC

Correct Answer: AE

QUESTION 3

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 --port`
- C. `telemetry_receiver.py --destination --url`
- D. streaming telemetry

Correct Answer: B

Reference:

<https://developer.cisco.com/codeexchange/github/repo/cisco/bigmuddy-network-telemetry-collector/#:~:text=8,bigmuddy%2Dnetwork%2Dtelemetry%2Dcollector,use%20of%20the%20resulting%20data.>

QUESTION 4

Which tool can you use to convert XML/JSON REST code to Python code?

- A. Postman
- B. Cobra
- C. Arya
- D. API Inspector

Correct Answer: C

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

Correct Answer: BD

Reference:

<https://www.cisco.com/c/en/us/products/collateral/cloud-systems-management/aci-fabric-controller/white-paper-c11-729586.html>

QUESTION 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.

Select and Place:

```
- name: Add a new AP
  [ ]
  host: apic
  username: admin
  password: SomeSecretPassword
  [ ]
  [ ]
  description: default ap
  [ ]
```

tenant_name: MyCompany

ap: DbApp

application_name: DbApp

tenant: MyCompany

app_name: DbApp

state: present

aci_ap:

state: query

Correct 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

application_name: DbApp

state: query

QUESTION 7

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 VLAD_ID]*****
*****
failed: [192.168.252.129] (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: <urlopen error [Errno 61] Connection 'refused'>" "status": -1, "url": "http://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 \\', \\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

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/configuration/nxos/41_3/b_Copy_of_b_Cisco_Nexus_5000_Series_NXOS_Software_Configuration_Guide/Copy_of_b_Cisco_Nexus_5000_Series_NX-

OS_Software_Configuration_Guide_chapter22.pdf

QUESTION 8

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.

Correct Answer: A

Reference:

<https://docs.docker.com/config/containers/liverestore/#:~:text=Starting%20with%20Docker%20Engine%201.12,%2C%20planned%20outages%2C%20or%20upgrades.>

QUESTION 9

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.	

Correct Answer:

	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.

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/fundamentals/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_Fundamentals_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Fundamentals_Configuration_Guide_chapter_011.pdf

QUESTION 10

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,
          txbcNew - txbc))

[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

Correct 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 11

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

- A.

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

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

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

```
Sucsm_creds = New-Object -TypeName System.Management.Automation.PSCredential  
-ArgumentList $(ConvertTo-SecureString -Force -AsPlainText "admin:MySecretPassword")  
  
Connect-Ucs -Name myucsm.example.com -Credential $sucsm_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 12

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.

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_appendix_011.html

QUESTION 13

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

- A. uses the dcnm-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-dcnm-classic-lan-rest-api> Check for /rest/login

QUESTION 14

Which statement about synchronous and asynchronous API calls is true?

- A. Synchronous API calls wait to return until a response has been received.
- B. Synchronous communication is harder to follow and troubleshoot.

- C. Synchronous API calls must always use a proxy server.
- D. Asynchronous communication uses more overhead for client authentication.

Correct Answer: D

QUESTION 15

Refer to the exhibit.

```
switch(config)# telemetry
switch(config-telemetry)# sensor-group 100
switch(config-tm-sensor)# path sys/intf/phys-[eth1/1] depth 0
switch(config-tm-sensor)# destination-group 100
switch(config-tm-dest)# ip address 1.2.3.4 port 50004
switch(config-tm-dest)# ip address 1.2.3.4 port 50005
switch(config-tm-sensor)# destination-group 200
switch(config-tm-dest)# ip address 5.6.7.8 port 50001 protocol HTTP encoding JSON
switch(config-tm-dest)# ip address 1.4.8.2 port 50003
switch(config-tm-dest)# subscription 100
switch(config-tm-sub)# snsr-grp 100 sample-interval 10000
switch(config-tm-sub)# dst-grp 100
switch(config-tm-sub)# dst-grp 200
```

Where and how often does the subscription stream data for Ethernet port 1/1?

- A. to four different destinations every 10000 microseconds
- B. to four different destinations every 100 milliseconds
- C. to four different destinations every 10 seconds
- D. to four different destinations every 10000 seconds

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus3000/sw/programmability/7_x/b_Cisco_Nexus_3000_Series_NX-OS_Programmability_Guide_7x/b_Cisco_Nexus_3000_Series_NXOS_Programmability_Guide_7x_chapter_011101.pdf

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