Atmic Networks

CERTIFICATION EXAM SUPPORT

# EXAM PREPARATION MATERIAL

Practice files designed to help you understand exam patterns, question styles and the overall assessment format.

**IMPORTANT NOTE**

> **Please note that these files may not be up to date. However, the questions will help you understand the exam format and typical question patterns.**

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for the latest file updates and exam-related information.

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Knowledge that moves beyond memorization.

## Question: 1

Which two benefits of using network configuration tools such as Ansible and Puppet to automate data center platforms are valid? (Choose two )

A. consistency of systems configuration
B. automation of repetitive tasks
C. ability to create device and interface groups
D. ability to add VLANs and routes per device
E. removal of network protocols such as Spanning Tree

**Answer: AB**

## Question: 2

DRAG DROP

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

```
name: Add a new tenant

host: apic username: admin password:
SomeSecretPassword

description: MyCompany tenant
```

| | |
|---|---|
| Tenant_name: MyCompany | state: absent |
| state: query | tenant: MyCompany |
| aci_tenant: | state: present |
| state: create | aci_tenant_name: |

**Answer:**

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```
- name: Add a new tenant
aci_tenant:
    host: apic username: admin
    password: SomeSecretPassword
    tenant: MyCompany
    description:  MyCompany  tenant
     state: present
```

| | | |
|---|---|---|
| Tenant_name: MyCompany | | state: absent |
| state: query | | tenant: MyCompany |
| aci_tenant: | | state: present |
| state: create | | aci_tenant_name: |

aci_tenant
tenant : MyCompany
state: present
Reference: https://docs.ansible.com/ansible/latest/scenario_guides/guide_aci.html

## Question: 3

Refer to the exhibit

**switch(config)a i**

**switch . ^^try)# sensor-group JQQ**

**switch(config-tm_3ena^^Padd^®»» 1.2.3.4 port switch(config-tm-dest)# 50004 c^^matXon_ 50005 group 200**
**=>witch(config-tn,_d 2 a^«« 5.6.7.8 port "^^(config-tm_dest * X* ss l <-8.2 port switch(config- 50003 PROCOL01 HTTP encoding «o. tm-subitf subscription 100 s^t^co"^^^" ds'-gr^lO^ '"P^-^erval WOOD (config-tm-sub)# d3t_gcp 200**

Refer to the exhibit, 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

**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_NX-OS_Programmability_Guide_7x_chapter_011101.pdf

## Question: 4

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**

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: 5

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
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

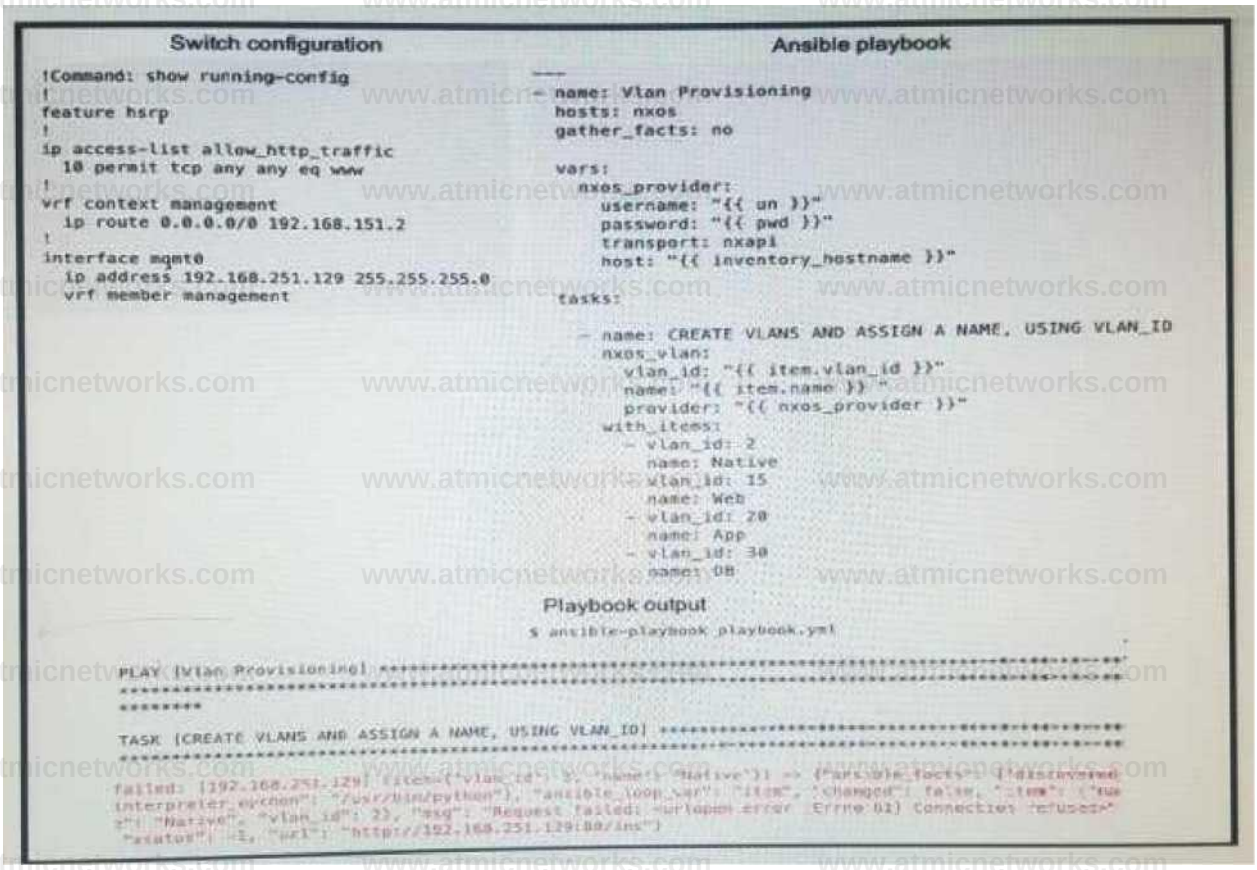
**Answer: B**

Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/orchestration-guide/6-0/b_UCS_Director_Orchestration_Guide_6_0/b_UCS_Director_Orchestration_Guide_6_0_chapter_0

1010.html

## Question: 6

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": {"nu
z": "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 <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: 7

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/

B. Log in as the user REST/user to access the REST API interface.

C. Enable the Developer menu Select Orchestration in the UI, then select the REST API browser

D. Select the API browser from the Cisco UCS Director End User Portal catalog of services

**Answer: C**

Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/rest-api-getting-started-guide/6-5/cisco-ucs-director-REST-API-getting-started-65.html#task_CE85B54B1DB64855BB3BECCD24C31F5B

## Question: 8

Refer to the exhibit.

```
switch(config)# telemetry
switch(config-telemetry)# sensor-group 100
switch(config-tm-sensor)# path sys/bgp depth 0
switch(config-tm-sensor)# destination-group 100
switch(config-tm-dest)# ip address 1.2.3.4 port 50003
switch(config-tm-dest)# subscription 100
switch(config-tm-sub)# snsr-grp 100 sample-interval 5000
switch(config-tm-sub)# dst-grp 100
```

Refer to the exhibit. How often is the subscription stream for sys/bgp going to be sent?

A. 5 sec

B. 5 msec

C. 5000 sec

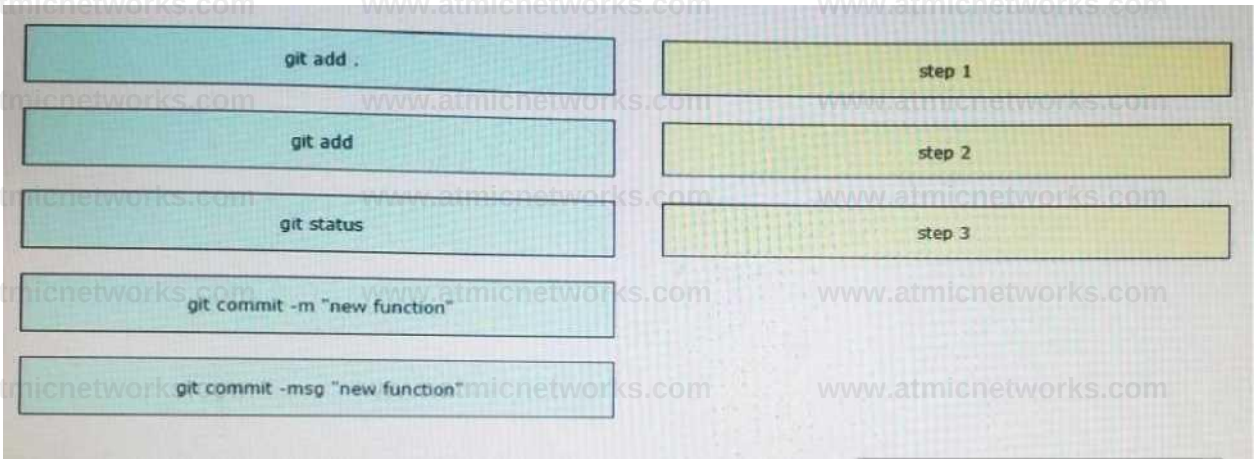
D. 5 min

**Answer: A**

## Question: 9

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.




**Answer: git add .**

git commit –m “new function” git status

## Question: 10

Which NX-API request queries the MAC address table?

```
{
  "jsonrpc": "1.0",
  "method": "cli",
  "params": {
    "cmd": "show mac address-table",
    "version": 1
  },
  "id": 1
}
```

```
{
  "jsonrpc": "2.0",
  "method": "cli",
  "params": {
    "command": "show mac address-table",
    "version": 1
  },
  "id": 1
}
```

```
{
  "jsonrpc": "2.0",
  "method": "cli_show",
  "params": {
    "cmd": "show mac address-table",
    "version": 1
  },
  "id": 1
}
```

```
{
  "jsonrpc": "2.0",
  "method": "cli",
  "params": {
    "cmd": "show mac address-table",
    "version": 1
  },
  "id": 1
}
```

A. Option B. Option C. Option D. Option

**Answer: D**

Reference: NXOS Sandbox

## Question: 11

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: B**

Reference: Devnet training

## Question: 12

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**

Reference: Devnet Training

## Question: 13

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.

| | |
|---|---|
| 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 sets the IP address of a script server, downloads file correct script for the switch, and runs the script on the switch.

| | |
|---|---|
| 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 inns the script on the switch. |

POAP gets the IP address of a script server, downloads tile conect script for the switch, and runs the script on the switch.

Answer

Step 1 : The switch searches for a Domain Host Configuration Protocol service on the network

Step 2 : DHCP assigns the switch an IP Address, default gateway, and IP address that are tracked by the Domain Name System server.

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.

Question: 14

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

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

```
$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
```

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

```
$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
```

A. Option B. Option C. Option D. Option

**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: 15

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 O SNMP uses a pull model
C. Model-driven telemetry uses a pull model
D. Model-driven telemetry uses a push model

**Answer: BD**

Reference: https://blogs.cisco.com/developer/its-time-to-move-away-from-snmp-and-cli-and-use- model-driven-telemetry#:~:text=SNMP%20uses%20the%20pull%20model%20when%20retrieving%20data%20from%20a%20switch.&text=SNMP%20also%20uses%20push%20model,limits%20like%20scale%20and%20efficiency.

## Question: 16

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

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

**Answer: CE**

## Question: 17

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: B**

## Question: 18

Which Ansible playbook creates a new VLAN 10 named Web?

```
-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}}"
```

```
-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}}"
```

```
■name: Provision VIAN hosts: accessswitches gat her
fatts: no
vars:
   n>os provider: user naw: "(( on ))* password: "(( pwd
   ))“ transport: nvapl host: "((inventory t»ostnaw)}“
tasks: naw: create VIAN And Assign A Maw n«ov_vlan:
Interfaces: vlan io naw: Web
```

```
hosts: atcrssswitthes
gather faits: no
wars:
   nitos provider
   username: "{( un ))“
   password; "(( pwd ))" transport : rut apt
   host: "((inventoryhostnawe)|

tasks:
   -naer: Create VLAN And Assign A nxos_vl*n:
      vlan.id: 10 name| web
```

A. Option
B. Option
C. Option
D. Option

**Answer: D**

Reference: https://docs.ansible.com/ansible/latest/modules/nxos_vlan_module.html

## Question: 19

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: AD**

## Question: 20

Which Ansible playbook fragment returns the fewest queried ACI endpoint groups?

```
name; GET EPGs aciepg.
  host: '{{ inventory-hostname B- username: "{{ username Bpassword: "{{ password
  B" validate_certs: no state: query
```

```
name: GET EPGs
aci_epg:
  host: "{{ inventory-hostname B"
  username: "{{ username }p
  password: "{{ password B"
  validate_certs: no
  tenant: prod_tenant
  state: query
  ap: internet
```

```
name: GET EPGs
acpepg:
  host: "{{ inventory_hostname }} username. "{{ username }}" password: "({ password
  }}' validate.certs: no
  tenant: prod_tenant
  state: query epg: web
```

```
name: GET EPGs
aci.epg:
  host: *{{ inventory-hostnamr username: "{{ username H_ password: *1{ password ■
  ' validate certs: no tenant: prod_tenant
  state: query ap: internet epg: web
```

A. Option B. Option C. Option D. Option

**Answer: D**

Reference: https://docs.ansible.com/ansible/latest/modules/aci_epg_module.html

## Question: 21

How is an ACI class name composed?

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

**Answer: C**

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/rest_cfg/2_1_x/b_Cisco_APIC_REST_API_Configuration_Guide/b_Cisco_APIC_REST_API_Configuration_Guide_chapter_01.html

## Question: 22

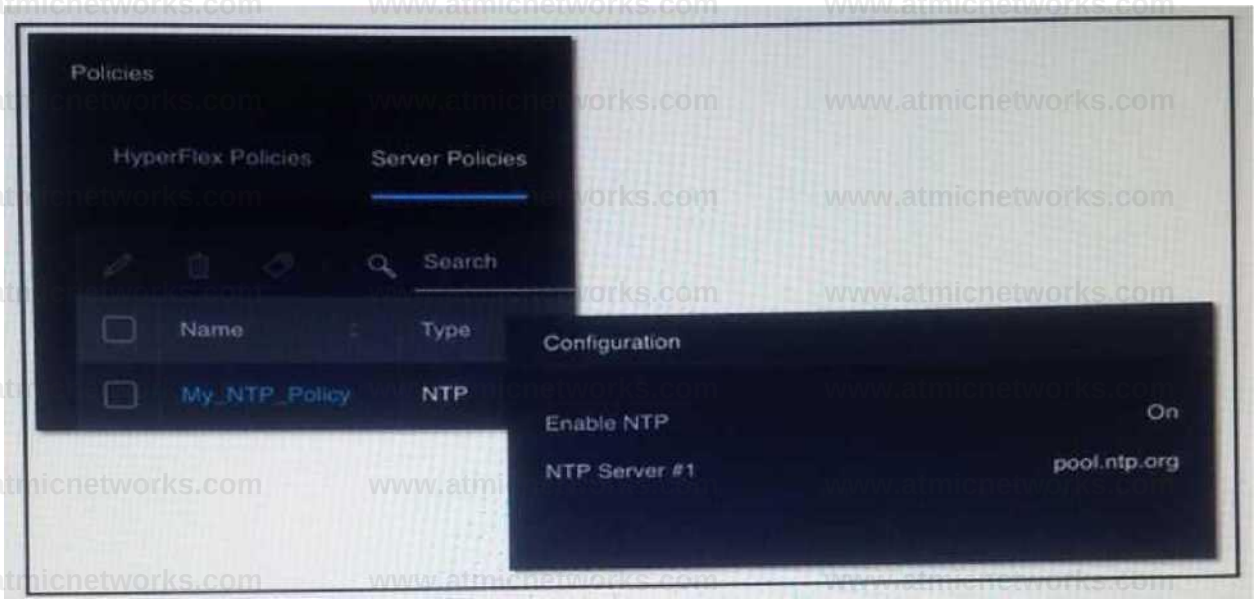
Which step must be taken to enable the REST API browser within Cisco UCS Director?

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: 23

Exhibit:




Refer to the exhibit. Cisco Instersight has an NTP server policy called My_NTP_Policy configured that contains a single NTP server pool entry "pool.ntp". Which Cisco Intersight API call adds an additional NTP server (10.20.0.1) to the My_NTP_Policy server policy?

HTTP POST Method
URL: https://intersight.com/api/v1/ntp/Policies/
Bodytext:
```
{
 "NtpServers": "10.20.0.1"
}
```

HTTP PATCH Method
URL: https://intersight.com/api/v1/ntp/Policies/{My_NTP_Policy MOID}
Bodytext:
```
{
 "NtpServers":[
 "pool.ntp.org",
 "10.20.0.1"
 ]
```

HTTP PUT Method
URL: https://intersight.com/api/v1/ntp/Policies/
Bodytext:
```
{
 "NtpServers":[
 "10.20.0.1"
 ]
}
```

HTTP PATCH Method
URL: https://intersight.com/api/v1/ntp/Policies/{My_NTP_Policy MOID}
Bodytext:
```
{
 "NtpServers": "10.20.0.1"
}
```

A. Option
B. Option
C. Option
D. Option

**Answer: B**

Reference: https://documenter.getpostman.com/view/30210/SVfWN6Yc?version=latest

## Question: 24

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.

| | |
|---|---|
| event syslog pattern "IF_UP' | step 1 |
| exit | step 2 |
| event manager applet link monitor | step 3 |
| conft | step 4 |
| action 1 cli command "source cdp_description.py' | step 5 |

**Answer:**

| | |
|---|---|
| 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 |

conf t
Event manager applet link monitor
Event syslog pattern “IF_UP”
Action 1 cli command “source cdp_description.py”
Exit
Reference: https://www.slideshare.net/CiscoDevNet/automating-with-nxos-lets-get-started

## Question: 25

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

D. uses bearer key authorization

E. is separated into Classic LAN, LAN Fabric, Media Controller, and SAN Management categories.

**Answer: AE**

Reference: https://developer.cisco.com/docs/data-center-network-manager/#!cisco-dcnm-classic-lan-rest-api

Check for /rest/logon

## Question: 26

Refer to the exhibit:

```
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)
```

Refer to the exhibit: 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

```
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)
```

```
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)
```

```
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)
```

```
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. Option B. Option C. Option D. Option

**Answer: D**

## Question: 27

Refer to the exhibit.

```
https://APIC_IP/api/class/l1PhysIf.xml?query-target-filter=eq(l1PhysIf.speed,"10G")
```

Which two statements are true about this API GET request to the ACI APIC? (Choose two.)

A. The API call creates a new 10G interface in the APIC
B. The API call reads information from a managed object.
C. The API response is encoded in JSON
D. The API call reads information from an object class
E. The API response is encoded in XML

**Answer: DE**

## Question: 28

Recheck the question

Which two terms are types of application isolation options available when Kubenetes is deployed with the SCCM plugin? (Choose two )

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

**Answer: BE**

Reference : https://cloud.google.com/kubernetes-engine/docs/concepts/multitenancy-overview

## Question: 29

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: AC**

Reference: https://documenter.getpostman.com/view/30210/SVfWN6Yc?version=latest

https://github.com/ansible/ansible/pull/51309/files/a68de94464ad34b4e6836f86662ef0ba6060a2e 9

## Question: 30

Refer to the exhibit.

```
1   from ucsmsdk.ucshandle import UcsHandle
2   from ucsmsdk.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()
```

Refer to the exhibit:

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: B**

## Question: 31

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

A. mo
B. RN
C. NI
D. DN
E. URL

**Answer: BD**

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

## Question: 32

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

A. C++
B. Python
C. Java
D. Cloupia Script

**Answer: D**

## Question: 33

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 Kubemetes 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**

Reference:
https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2019/pdf/BRKACI-2505.pdf
https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/kb/b_Kubernetes_Integration_with_ACI.html#:~:text=Infrastructure%20(ACI).-,Cisco%20ACI%20and%20Kubernetes%20Integration,Application%20Centric%20Infrastructure%20(ACI).

## Question: 34

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.

```
import requests

response - requests.post!
    • https://apic/api/aaaLogin.]son',   ]son=("aaaUser":  (“attributes*: ‘ciscopsdt))),
    ("name*: "admin*,"pwd“:
    verity" False)

token - response.]son(> ['iindata'][OJ('aaaLogin'I('attributes'] I 'token' ] url •
'https://apic'Zap!zsio/uni/tn-Mycompany.xml'

headers = {’Content-Type’: 'text/xml’) cookie ■ (’APIC-
cookie’: token)

response -

print < response.text >
```

| | |
|---|---|
| payload ® \| “tvTenant* :(“name*: "Mycompany"), | requests.request<*POST“, url, data-payload, headers-headers, cookies—cookie. |
| "tvApp": “WebApp" \|) | verity-False) |
| payload * *<fvAp name="WebApp* />’ | payload • '<fvAp naflne[3]*MyCoaipany/WebApp* >• |
| requests.request(“POST*, url, data-payload, headers*\|'Content-Type': 'application/json'), veri fy-False) | requests.request("PATCH*, url, data-payload, headers-headers, cookies-cookie, verify-False) |

**Answer:**

```
payload = '<fvAp name="WebApp" />'

requests.request("POST", url, data=payload,
headers=headers, cookies=cookie,
verify=False)
```

## Question: 35

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: 36

Which authentication method is used when the REST API of the Cisco UCS Director is accessed?

A. Bearer ((Bearer Token))
B. HTTP Basic Auth

C. RestAuth: ((User's Auth Token))

D. X-Cloupia-Request-Key: ((User's Auth Token))

**Answer: D**

Reference : https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/rest-api- cookbook/6-6/cisco-ucs-director-REST-API-cookbook-66/cisco-ucs-director-REST-API-cookbook- 66_chapter_010.html

## Question: 37

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,

[admin@guestshell ~]$
```

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

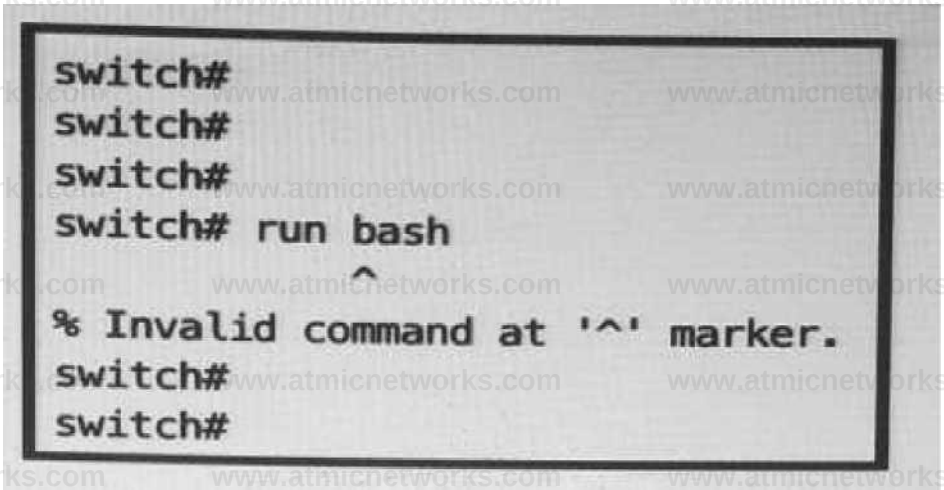
**Answer: C**

Reference: https://www.cisco.com/c/en/us/td/docs/ios-

xml/ios/prog/configuration/166/b_166_programmability_cg/guest_shell.html

## Question: 38

Refer to the exhibit:




Refer to the exhibit. 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**

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/programmability/guide/b_Cisco_Nexus_9000_Series_NX-OS_Programmability_Guide_7x/Bash.html#:~:text=NX%2DOS%20VSH.-,Accessing%20Bash,%2DOS%20network%2Dadmin%20role.&text=Bash%20is%20enabled%20by%20running,home%20directory%20for%20the%20user.

## Question: 39

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> -uri <url>
D. streaming telemetry

**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: 40

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(Tenatnt(uniMo, 'CustA'), 'CustA_VRR)
D. Ctx(fvTenant(uniMo. 'CustA'), 'CustA_VRF')

**Answer: B**

Reference: https://community.cisco.com/t5/networking-blogs/learning-aci-programming-the-aci-fabric/ba-p/3659518

## Question: 41

Which two statements apply to authentication when using the Cisco Intersight API? (Choose two.)

A. Each API Key can be assigned specific roles but not privileges.
B. Secret Key is only available at API Key creation time
C. An API Key is composed of a Key ID and Secret Key
D. The user credentials for the cisco.com accounts are shared with the Cisco Intersight Web Service
E. An API Key is composed of a keyld and sessionCookie

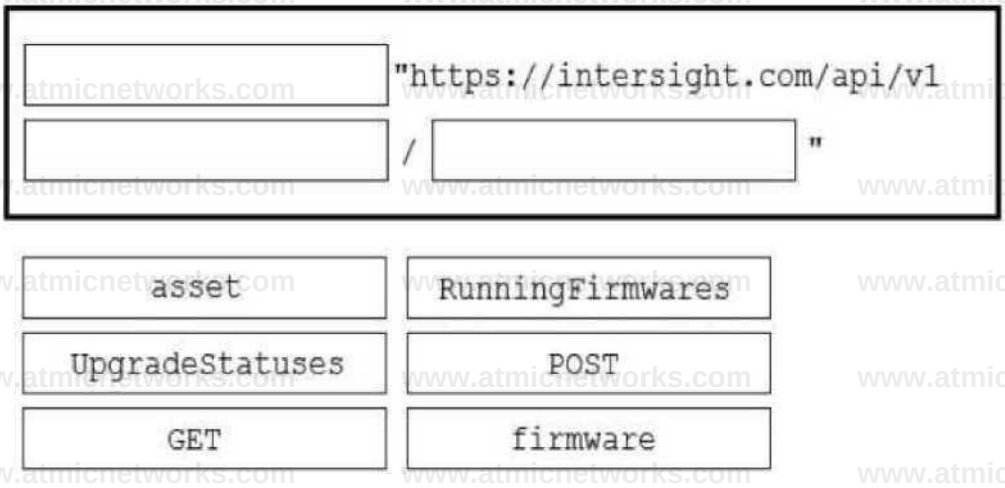
**Answer: BC**

Reference: https://community.cisco.com/t5/data-center-documents/intersight-api-overview/ta-p/3651994

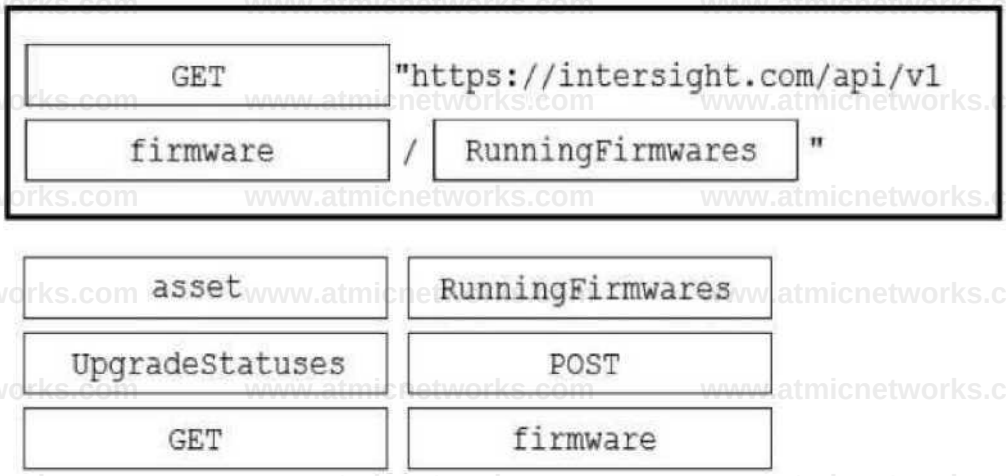
## Question: 42

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.




**Answer:**




GET, firmware, RunningFirmwares

Reference: https://developer.cisco.com/codeexchange/github/repo/CiscoUcs/intersight-python/

## Question: 43

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'
```

Refer to the exhibit: Which Ansible module is need 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**

Reference: https://docs.ansible.com/ansible/latest/modules/ucs_vlans_module.html

## Question: 44

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
```

Refer to the exhibit, Which two Cisco UCS PowerTool commands provide this output? (Choose two)

A. Get-UcsServer | Select-Object Dn
B. Get-UcsRackSystems | Select-Object Dn

C. Get-UcsBlade | Select-Object Dn
D. Get-UcsRackUnit | Select-Object Dn
E. Get-UcsSystems | Select-Object Dn

**Answer: AC**

Reference:
https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/msft_tools/powertools/ucs_powertool_book/ucs_pwrtool_bkl1.html

## Question: 45

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 |

Reference: https://docs.ansible.com/ansible/2.4/aci_ap_module.html

## Question: 46

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.

## Answer: A

## Question: 47

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**

Reference: https://documenter.getpostman.com/view/30210/SVfWN6Yc?version=latest

https://github.com/ansible/ansible/pull/51309/files/a68de94464ad34b4e6836f86662ef0ba6060a2e 9

## Question: 48

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

A. trackable

B. stateless

C. single-layer system

D. stateful

**Answer: BC**

## Question: 49

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: BC**

## Question: 50

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**

Reference: https://developer.cisco.com/docs/nx-os/#!pxe-process

## Question: 51

A server profile with the "WEST15" in its name must have the string "WEST15" changed to "LXT14". For example, server profile "Vmhost-west 15-01" would need to be changed to "VMHOST-LXT 14-01". 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 "WEST 15" 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?$select=Namefilter=contains (Name,'WEST15')
B. GET https://intersight.com/api/v1/server/Profiles?$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')
E. BODY = {" Name": sp_name.replace('WEST15','LXT14')}

**Answer: BE**

Reference: https://developer.cisco.com/codeexchange/github/repo/CiscoUcs/intersight-python/
https://intersight.com/apidocs/introduction/query/#referencing-properties-by-name

## Question: 52

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**

## Question: 53

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: A**

Reference:https://docs.docker.com/config/containers/live-restore/#:~:text=Starting%20with%20Docker%20Engine%201.12,%2C%20planned%20outages%2C% 20or%20upgrades.

## Question: 54

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: D**

Reference: https://docs.projectcalico.org/reference/faq

## Question: 55

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**

Reference:https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci- fundamentals/b_ACI-Fundamentals/b_ACI-Fundamentals_chapter_010001.html#:~:text=Policy%20Model%20Key%20Characteristics,-Key%20characteristics%20of&text=As%20a%20model%2Ddriven%20architecture,devices%20attached%20to%20the%20network.

## Question: 56

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

```
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))
```

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

```
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
   }
]
```

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

A. Option B. Option C. Option D. Option

**Answer: AD**

Reference: Sandbox

**Question: 57**

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

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

**Answer: C**

Reference: https://github.com/cisco/bigmuddy-network-telemetry-collector

## Question: 58

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: DE**

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

## Question: 59

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()
```

Refer to the exhibit: 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 be inserted into the red box to create this tenant?

A. Tenant = NewTenant(name='Cisco')
B. tenant — Tenant(topMo, name-Cisco')
C. Tenant = Tenant(topMo, name='Cisco')

D. Tenant = Tenant('Cisco')

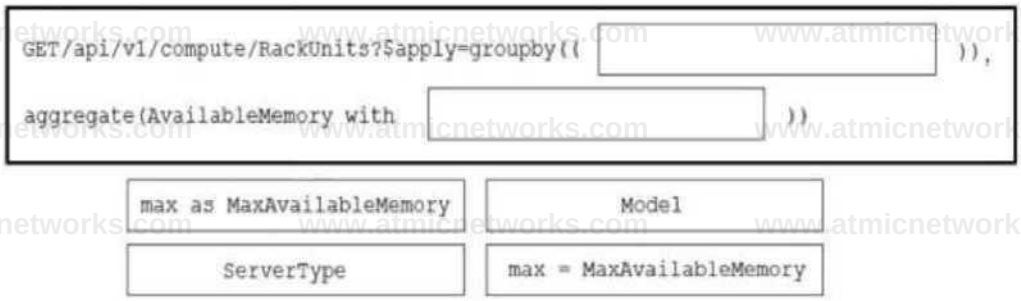
**Answer: C**

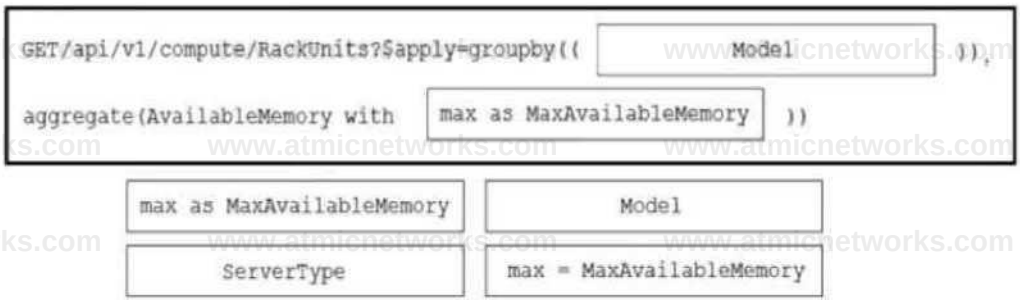
Reference: https://cobra.readthedocs.io/en/latest/api-examples/

## Question: 60 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.




Answer

Question: 61

Which iteration creates three EPGs in Cisco ACI using an Ansible task? Some required aci_epg task attributes have been omitted for brevity.

A)

```
aci_epg:
    epg: "{{ item.epg }}"
  loop:
    - item epg:epg1
    - item epg:epg2
    - item epg:epg3
```

B)

```
aci_epg:
    epg: "{{ item.epg }}"
    loop:
      - epg:epg1
      - epg:epg2
      - epg:epg3
```

C)

```
aci_epg:
    epg: "{{ item.epg }}"
  loop:
    item: "{{ epg1 }}"
    item: "{{ epg2 }}"
    item: "{{ epg3 }}"
```

D)

```
aci_epg:
  epg: "{{ item.epg }}"
 loop:
  epg: "{{ epg1 }}"
  epg: "{{ epg2 }}"
  epg: "{{ epg3 }}"
```

A. Option
B. Option
C. Option
D. Option

**Answer: B**

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## Question: 62

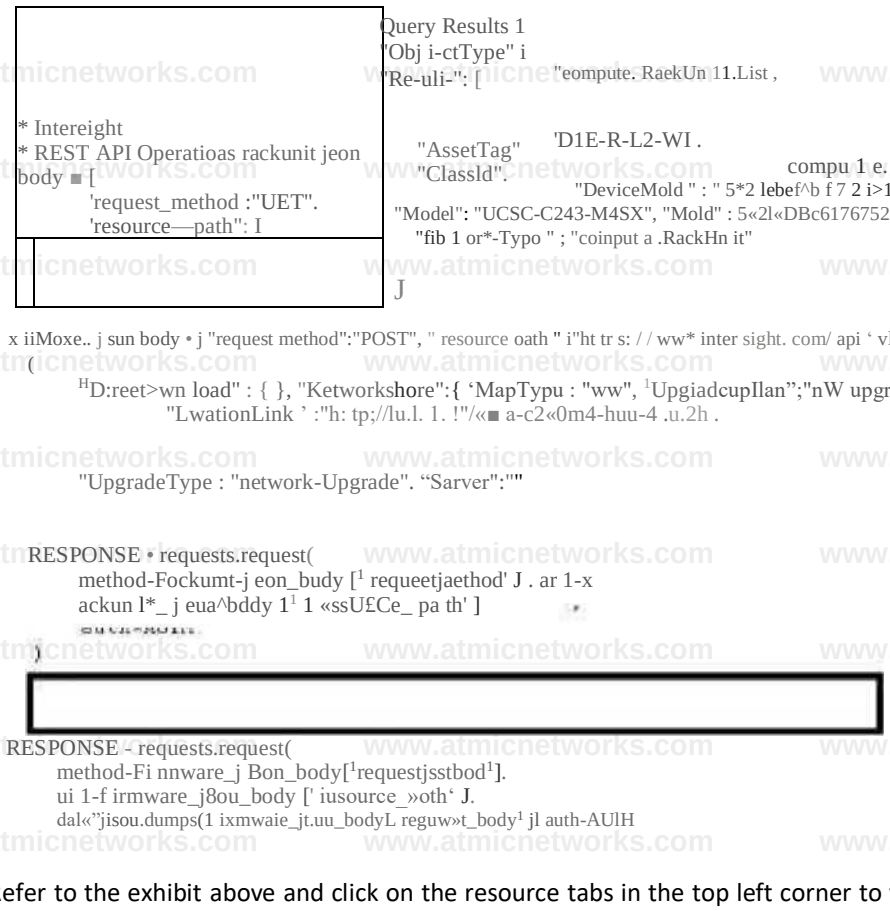
An engineer is implementing a Cisco Nexus switch. Which command executes an Ansible playbook called n9k.yml?

A. ansible-playbook n9k.yml
B. ansible-playbook -f n9k.yml -run now
C. ansible-playbook -f n9k.yml
D. ansible-playbook -f N9K.yml

**Answer: A**

## Question: 63

Refer to the exhibit.




Refer to the exhibit above and click on the resource tabs in the top left corner to view resources to help with this question. An engineer is creating a Python script to update the firmware on a specific Cisco UCS rack server that is managed by Cisco Intersight. The script uses the Cisco Intersight REST

API. The value of the 'resource_path' key in the rackunitJson_body Python dictionary retrieves the server with the AssetTag DMZ-R-L2-ADJM. The AssetTag is assigned to only one server. The value of the 'Server' key must be set in the firm ware Json_body Python dictionary with a value from the query result. Which two Python statements, a GET request and a dictionary update, are required to complete the code? (Choose two.) A)

B)

```
"https://www.intersight.com/api/v1/" +
"compute/RackUnits?$select=DeviceMoId,Model,AssetTag&" +
"$filter=AssetTag eq 'DMZ-R-L2-ADJM'"
```

C)

```
firmware_json_body['request_body']['Server'] = (
    json.loads(RESPONSE.text)['Results'][0]['DeviceMoId']
)
```

D)

```
firmware_json_body['request_body']['Server'] = (
    json.loads(RESPONSE.text)['Results'][0]['AssetTag']
)
```

E)

```
firmware_json_body['request_body']['Server'] = (
    json.loads(RESPONSE.text)['Results'][0]['Moid']
)
```

```
"https://www.intersight.com/api/v1/" +
"compute/RackUnits?$select=DeviceMoId,Model,AssetTag& +
"$filter=AssetTag+contains('DMZ-R-L2-ADJM')"
```

A. Option B. Option C. Option D. Option E. Option

**Answer: B, D**

## Question: 65

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

A. topRoot

B. polUni

C. fabricTopology

D. fabric Pod

**Answer: A**

## Question: 66

Which two network protocols does Cisco NX-OS iPXE support? (Choose two.)

A. IPv6
B. SFTP
C. SSH
D. IPv4
E. UNFS

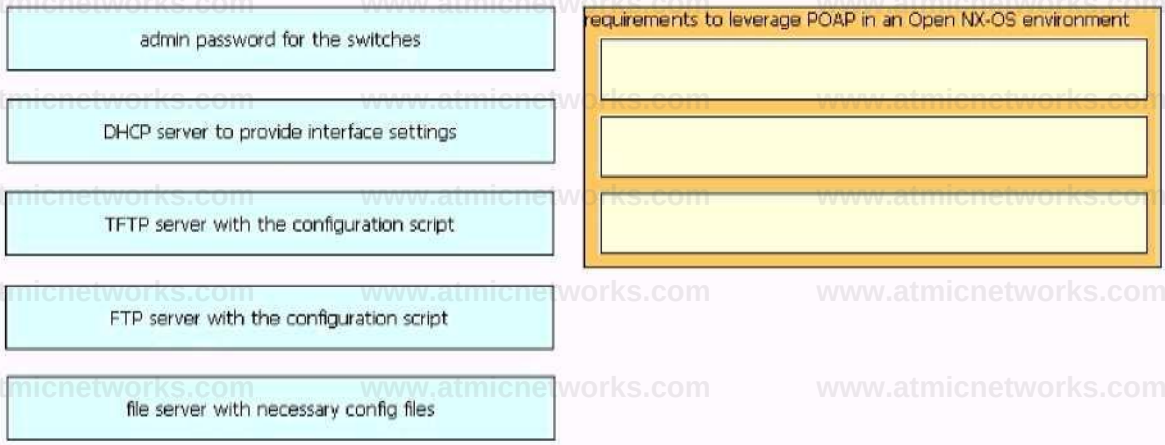
**Answer: AD**

Reference:
https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/93x/progammability/g uide/b-cisco-nexus-9000-series-nx-os-programmability-guide-93x/b-cisco-nexus-9000-series-nx-os- programmability-guide-93x_chapter_01001.html

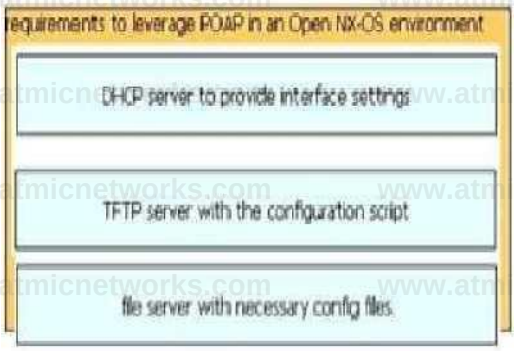
## Question: 67

DRAG DROP

Drag and drop the requirements from the left that are needed to leverage POAP in an Open Cisco NX- OS environment onto the right. Not all options are used.




Answer




Question: 68

Refer to the exhibit.

```
from ucsmsdk.ucshandle import UcsHandle

handle = UcsHandle(hostname, username, password, port=80)
handle.login()
for blade in handle.query_classid("computeBlade",
                                  filter_str=[redacted]):
    print(blade)
handle.logout()
```

When Cisco UCS is configured, which filter must be added to the str_filter string to retrieve all discovered compute blades with two CPUs?

A. (num_of_cpus eq 2) and (discovery eq complete)

B. (num_of_cpus. 'x2\ type-sum") and (discovery, 'complete1, type='sum')

C. (num_of_cpus eq <2) and (discovery eq more)

D. (num_of_cpus. '2', type-eq') and (discovery, 'complete', type-'eq')

**Answer: A**

## Question: 69

Refer to the exhibit.

```
1  dnQuery = DnQuery('uni/tn-companyXYZ')
2  dnQuery.subtree = 'parent'
3  tenantMo = moDir.query(dnQuery)
4  defaultBDMo = tenantMo.BD['default']
```

Which action fixes the code to access a child managed object?

A. Delete line 2.

B. Change dnQuery to classQuery in line 1.

C. Move line 2 to the last line.

D. Change parent to children in line 2.

**Answer: D**

## Question: 70

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: 71

Refer to the exhibit.

```
event manager applet eem-correlate
event syslog tag one pattern "copy bootflaah:.* running-config.*" event
ayalog tag two pattern "copy run start"
event ayalog 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: 72

When Cisco Nexus switches are implemented, which command requires the method key to perform a POST operation using the NXAPI-CLIJSON-RPC interface?

A. cli
B. cli_conf
C. cli_show
D. cli_post

**Answer: B**

## Question: 73

Refer to the exhibit.

{cor "Qhra<rA.t,« rese i~pox* McDlr- ^ory from cobra♦mix.eeasion rmpozt Logir.2e.53ior.

Ui I • [1] helps:- A?IC_:P user = [r]A?IC USERNAME* cw = [1]APZF—PX'

la - Leg^ndes*len(uri, u«*x. pw)
tad - NoHi rectory 1. La | rd,login(|

for element in list:

print (atr (•lament .dr. 1 >

n:td. 1 c tjou t ( )

A Python script using ACI Cobra SDK has been constructed. What is the result when running this script?

A. It prints out the relative name of all application profiles.
B. It prints out the distinguished name of all application profiles.
C. It prints out the distinguished name of all tenants.
D. It prints out the relative name of all tenants.

**Answer: B**

## Question: 74

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: BC**

## Question: 75

Which two initial actions should be taken when exploring automation capabilities for ACI? (Choose Two)

A. Write scripts that leverage the Python Standard Library
B. Look for an open-source package or SDK
C. Use the API Inspector and test API Calls
D. Develop an open-source package or SDK
E. Use the ncclient command to explore the NETCONF capabilities

**Answer: BC**

## Question: 76

What is a characteristic of synchronous and asynchronous API calls?

A. Synchronous API calls must always use a proxy server.
B. ASynchronous communication uses more overhead for client authentication
C. Synchronous communication is harder to follow and troubleshoot
D. Synchronous API calls wait to return until a response has been received

**Answer: D**