# 300-635 Q&As

Automating and Programming Cisco Data Center Solutions (DCAUTO)

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**QUESTION 1**

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\\')

Correct Answer: B

Reference:

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

**QUESTION 2**

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

Correct Answer: D

**QUESTION 3**

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

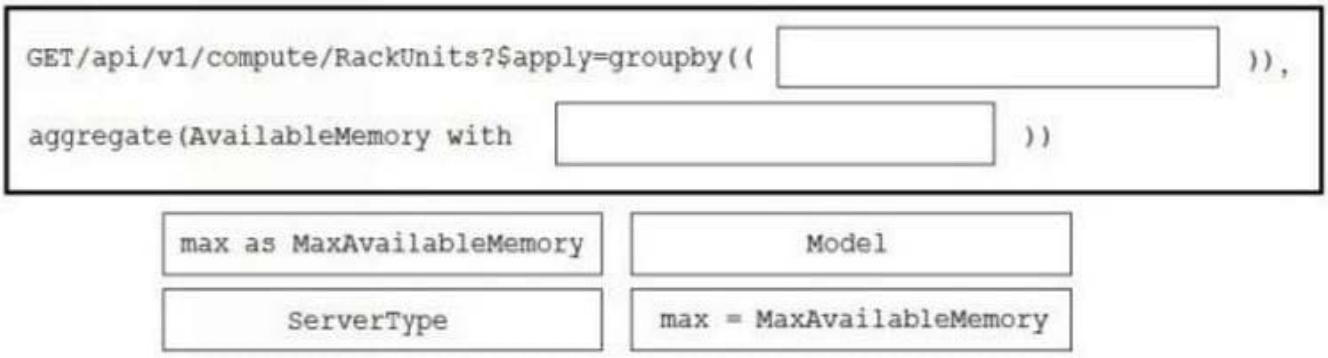
Correct Answer: B

**QUESTION 4**

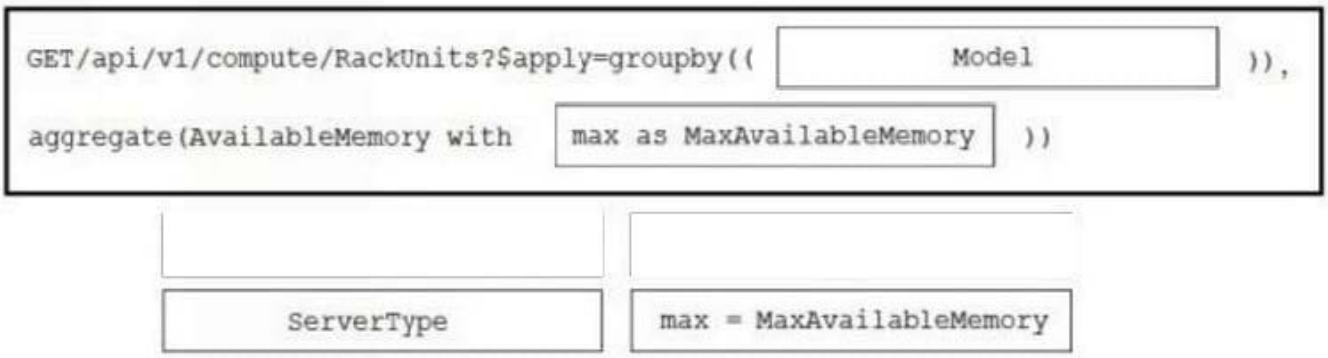
DRAG DROP

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:




Correct Answer:




**QUESTION 5**

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.

Correct 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%

20ofandtext=As%20a%20model%2Ddriven%20architecture,devices%20attache d%20to%20the%20network.

**QUESTION 6**

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

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

Connect-Ucs -Name myucsm.example.com -Credential $ucsm_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
```

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 7**

Which two HTTP methods are supported by the Cisco Nexus REST API? (Choose two )

A. PUT

B. POST

C. DELETE

D. UPDATE

E. CONNECT

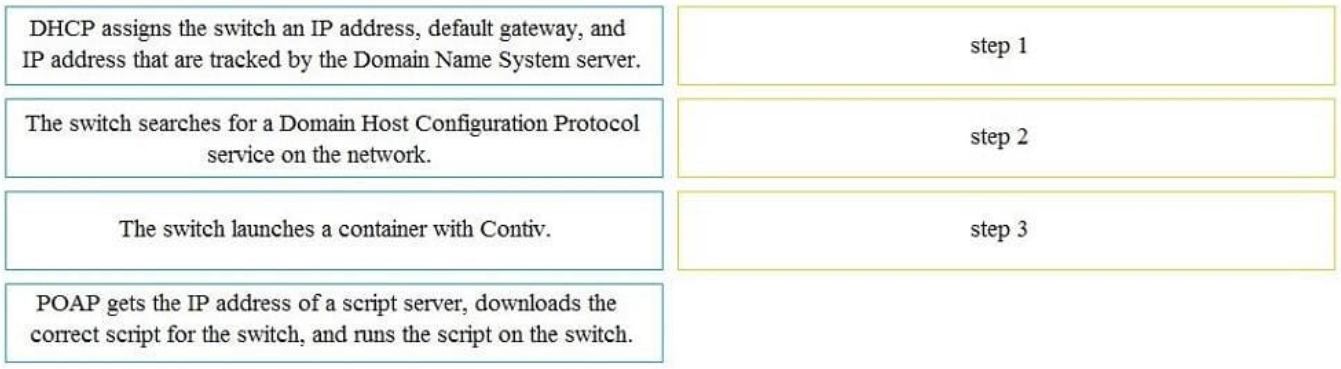
Correct Answer: BC

**QUESTION 8**

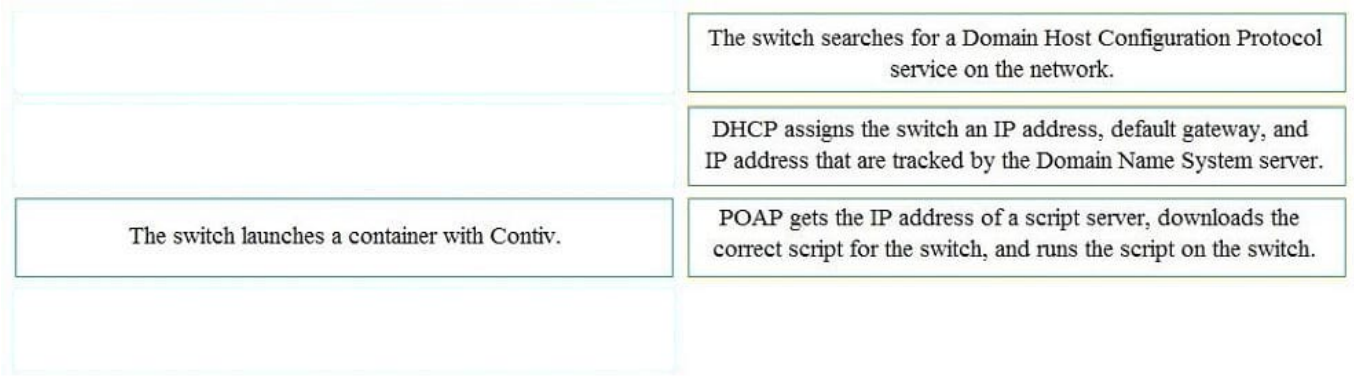
DRAG DROP

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:




Correct Answer:




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 9**

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

A. topRoot

B. polUni

C. fabricTopology

D. fabric Pod

Correct Answer: A

**QUESTION 10**

What is the default data encoding for the response output of the ACI APIC API inspector?

A. CSV

B. JSON

C. XML

D. YAML

Correct Answer: A

**QUESTION 11**

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 12**

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

A. IPv6

B. SFTP

C. SSH

D. IPv4

E. UNFS

Correct Answer: AD

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/93x/progammability/guide/b-cisco-nexus-9000-series-nx-os-programmability-guide-93x/b-cisco-nexus-9000-series-nx-os-programmability-guide93x_chapter_01001.html

**QUESTION 13**

Which management interface is selected by the Cisco APIC by default if an in band management interface and an out of-band management interface exist?

A. In-band is preferred

B. The first configured interface is selected

C. The interface that has the highest priority is selected

D. Out-of band is preferred

Correct Answer: D

**QUESTION 14**

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

Correct Answer: D

**QUESTION 15**

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__':
    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".

Correct Answer: CE