

300-635^{Q&As}

Automating and Programming Cisco Data Center Solutions (DCAUTO)

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QUESTION 1

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.

Select and Place:

admin password for the switches	requirements to leverage POAP in an Open NX-OS environment
DHCP server to provide interface settings	
TFTP server with the configuration script	
FTP server with the configuration script	
file server with necessary config files	

Correct Answer:

admin password for the switches	requirements to leverage POAP in an Open NX-OS environment
FTP server with the configuration script	
	DHCP server to provide interface settings
	TFTP server with the configuration script
	file server with necessary config files

QUESTION 2

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))

Correct 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 3

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

A. C++

B. Python

C. Java

D. Cloupia Script

Correct Answer: B

QUESTION 4

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 tasks

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

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/orchestration-guide/60/b_UCS_Director_Orchestration_Guide_6_0/b_UCS_Director_Orchestration_Guide_6_0_chapter_01010.html

QUESTION 5

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

Correct Answer: D

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

QUESTION 6

Which Ansible playbook creates a new VLAN 10 named Web?

A.

```
- 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 }}"
```

B.

```
- 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 }}"
```

C.

```
- 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
    nxos_vlan:
      interfaces: vlan-10
      name: Web
```

D.

```
- 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
    nxos_vlan:
      vlan_id: 10
      name: Web
      provider: "{{ nxos_provider }}"
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

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

QUESTION 7

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 8

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

Correct Answer: B

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

QUESTION 9

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

QUESTION 10

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.

Correct Answer: BE

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

QUESTION 11

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.

Correct 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\(A CI\).](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(A%20CI).)

QUESTION 12

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

Correct Answer: A

QUESTION 13

Which option are L4-L7 devices registered as on a Cisco APIC?

- A. one virtual device
- B. a cluster
- C. one physical device
- D. more virtual devices

Correct Answer: B

QUESTION 14

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 15

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.

Correct Answer: D

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