| | |
|---|---|
| **Exam** | **300-635** |
| **Title** | **Automating Cisco Data Center Solutions (DCAUTO) Exam** |
| **Version** | **9.0** |
| **Product Type** | **76 Q&A with explanations** |



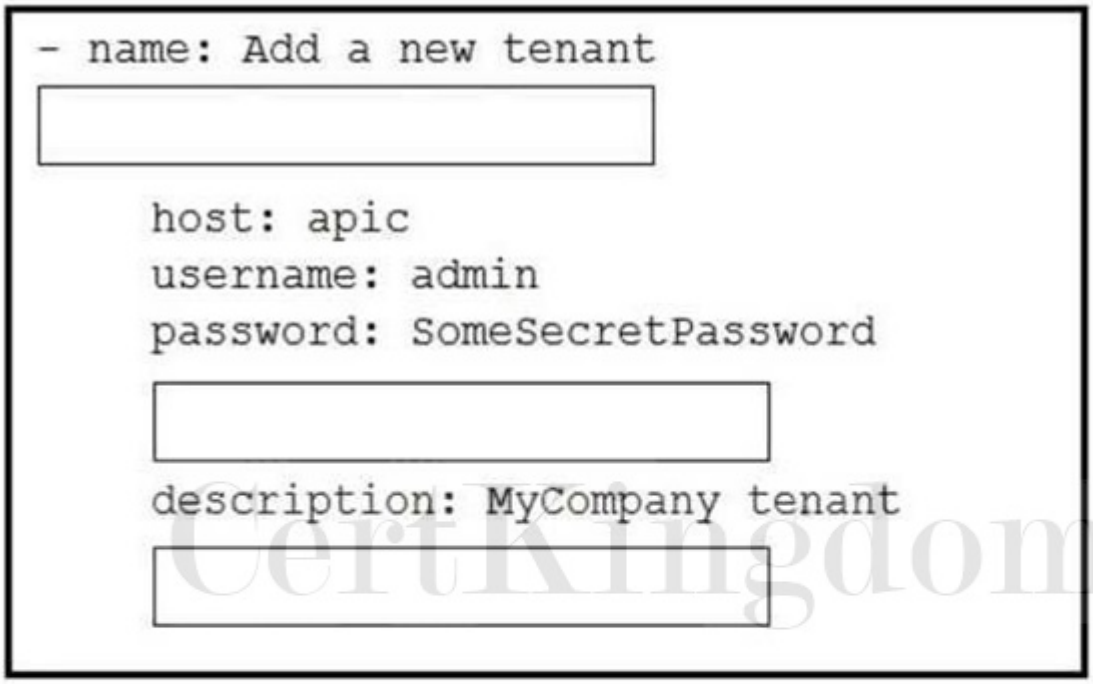
certexam.org

**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

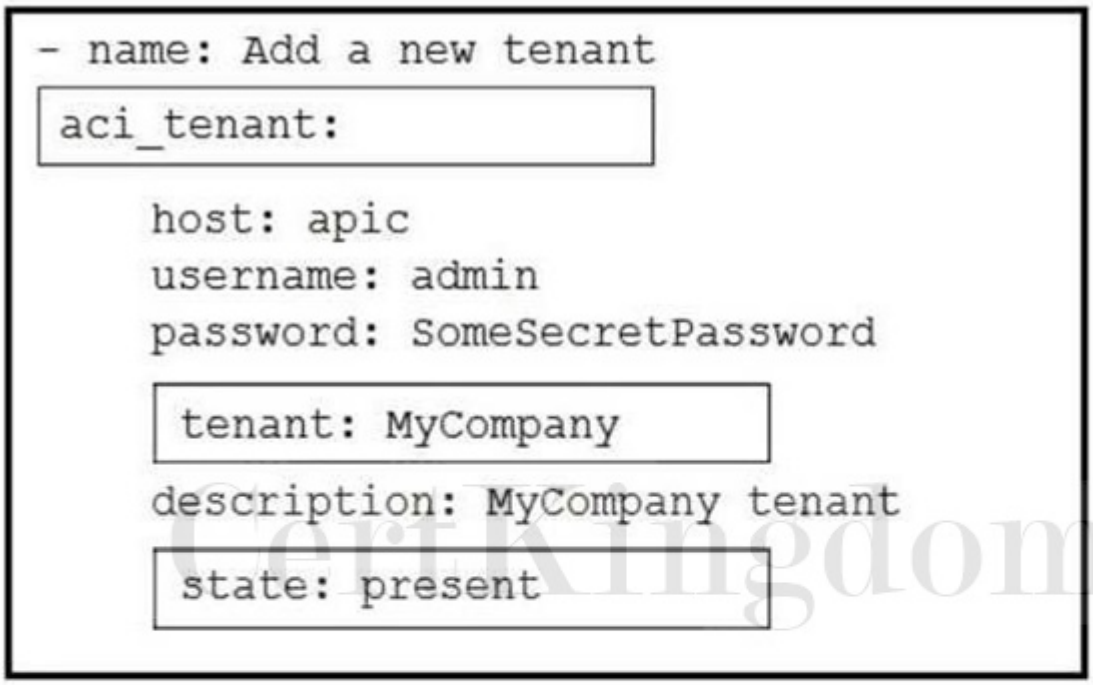
Answer: AB

**QUESTION** 2
DRAG DROP
Drag and drop the code to complete an Ansible playbook that creates a new tenant. Not all options are used.




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

Answer:

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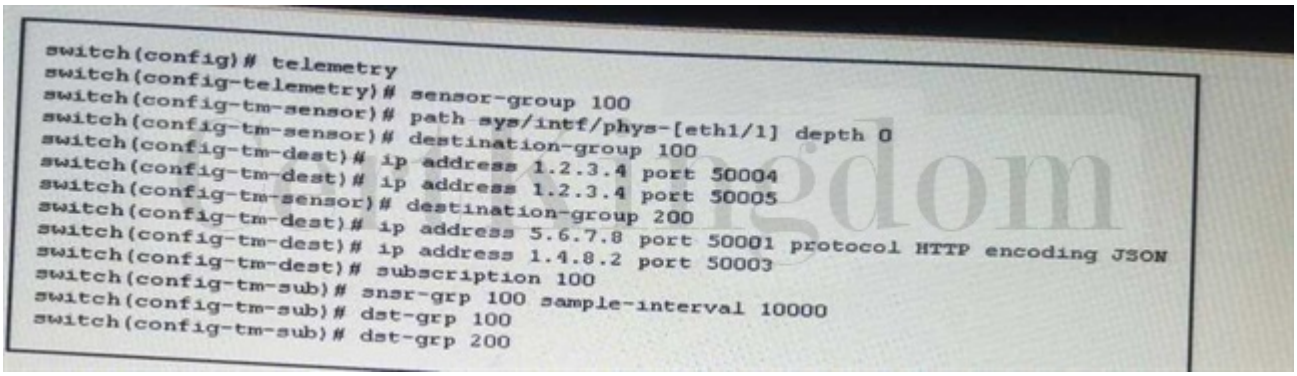
| | |
|---|---|
| Tenant_name: MyCompany | state: absent |
| state: query | tenant: MyCompany |
| aci_tenant: | state: present |
| state: create | aci_tenant_name: |

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

**QUESTION** 3
Refer to the exhibit:

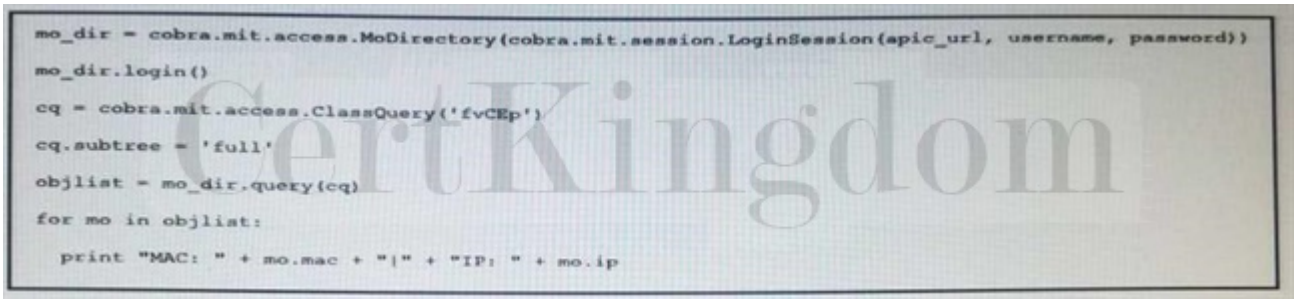



Refer to the exhibit, Where and how often does the subscription stream data for Ethernet port 1?

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_x/b_Cisco_Nexus_3000_Series_NX-OS_Programmability_Guide_7x/b_Cisco_Nexus_3000_Series_NXOS_Programmability_Guide_7x_chapter_011101.pdf

**QUESTION** 4
Refer to the exhibit




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

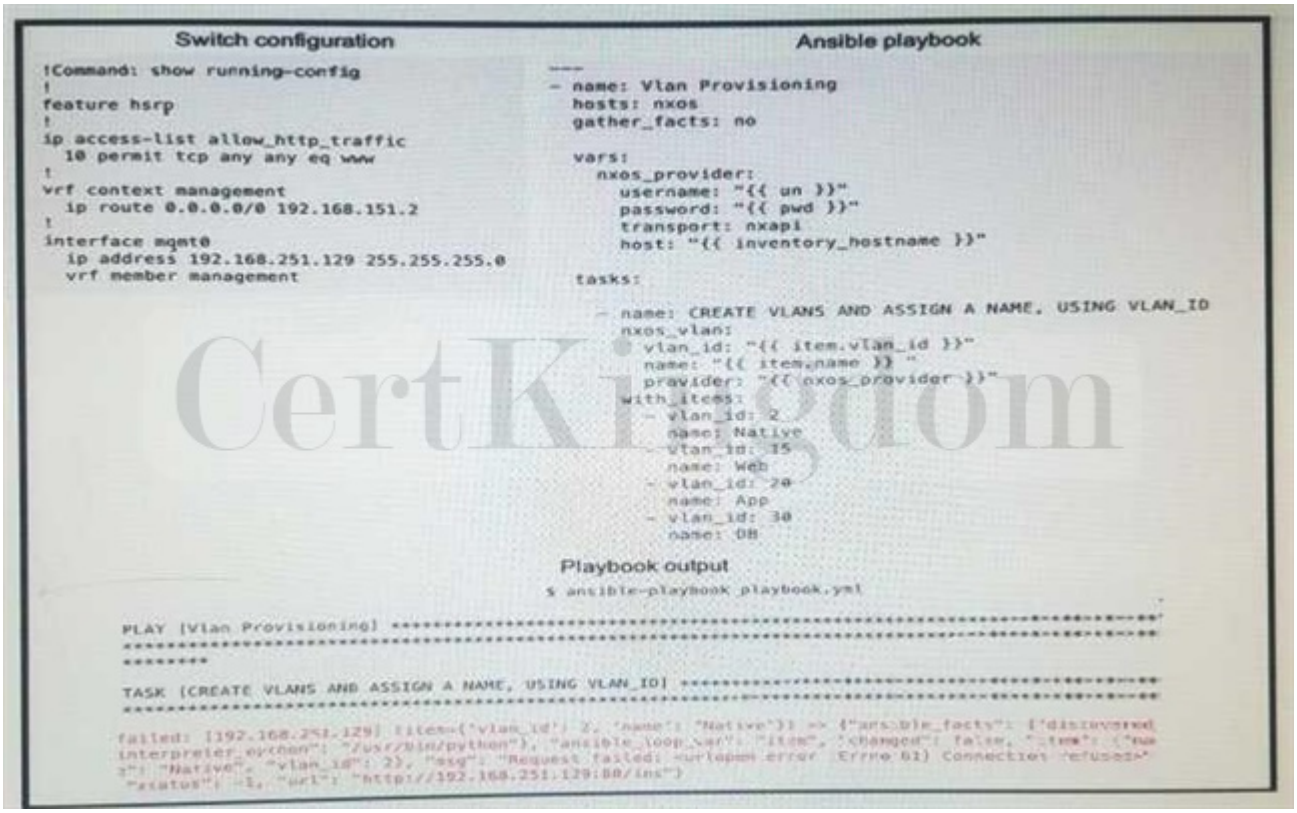
Answer: C
Reference:https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_appendix_011.html

**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/ucsdirector/orchestration-guide-0/b_UCS_Director_Orchestration_Guide_6_0/b_UCS_Director_Orchestration_Guide_6_0_chapter_01010.html

**QUESTION** 6
Refer to the exhibit:




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:/.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 3/b_Copy_of_b_Cisco_Nexus_5000_Series_NXOS_ Software_Configuration_Guide/Copy_of_b_Cisco_Nexus_5000_Series_NXOS_ 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 Ul, 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-apigetting-started-guide-5/cisco-ucs-director-REST-API-getting-started-65.html#task_CE85B54B1DB64855BB3BECCD24C31F5B

**QUESTION** 8
Refer to the exhibit.

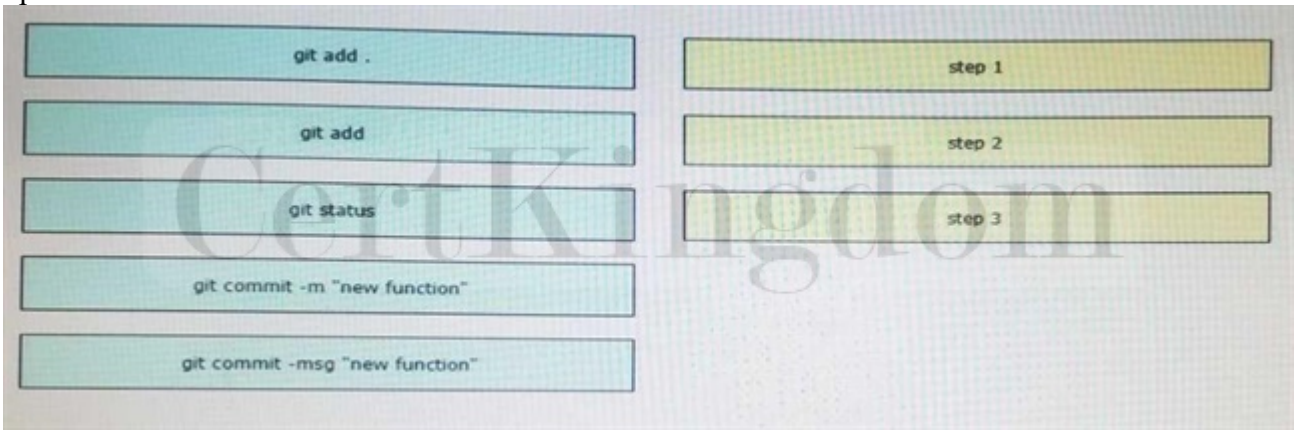
```
switch(config)# telemetry
switch(config-telemetry)# sensor-group 100
switch(config-tm-sensor)# path sys/bgp depth 0
switch(config-tm-sensor)# destination-group 100
switch(config-tm-dest)# ip address 1.2.3.4 port 50003
switch(config-tm-dest)# subscription 100
switch(config-tm-sub)# snsr-grp 100 sample-interval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

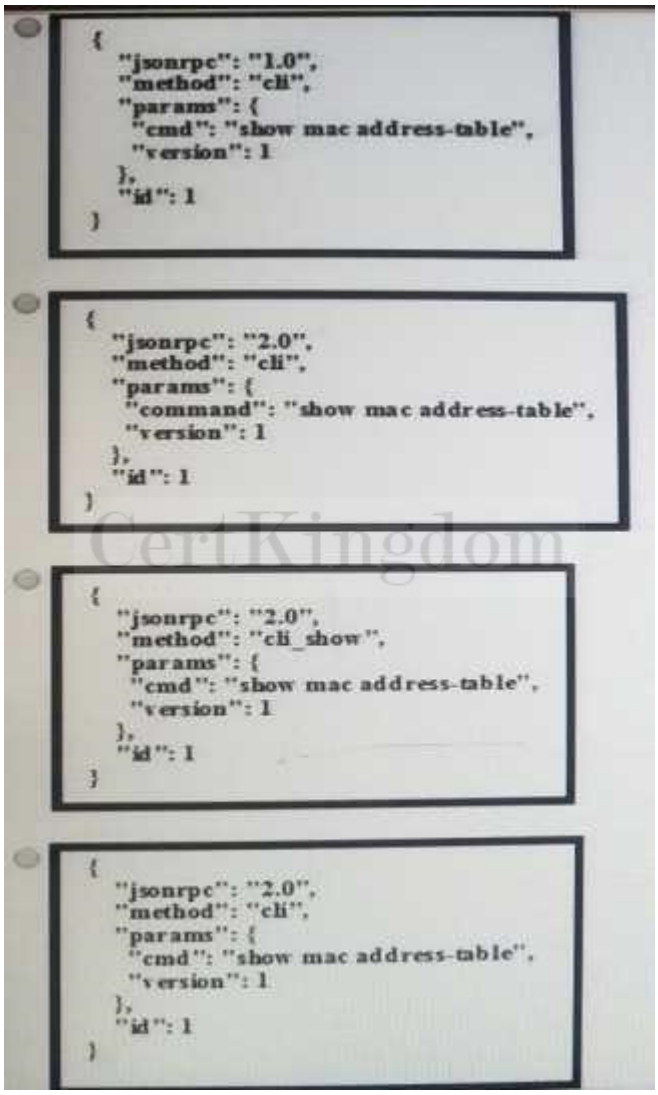
**QUESTION** 9
DRAG DROP
A file named myfunc.py has been edited. Drag and drop the steps from left that ensure that this file is committed to the local Git repository and verify its status into the correct order on the right. NOt all options are used.




Answer: git add .
git commit â€“m â€œnew functionâ€
git status

---

**QUESTION** 10
Which NX-API request queries the MAC address table?




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

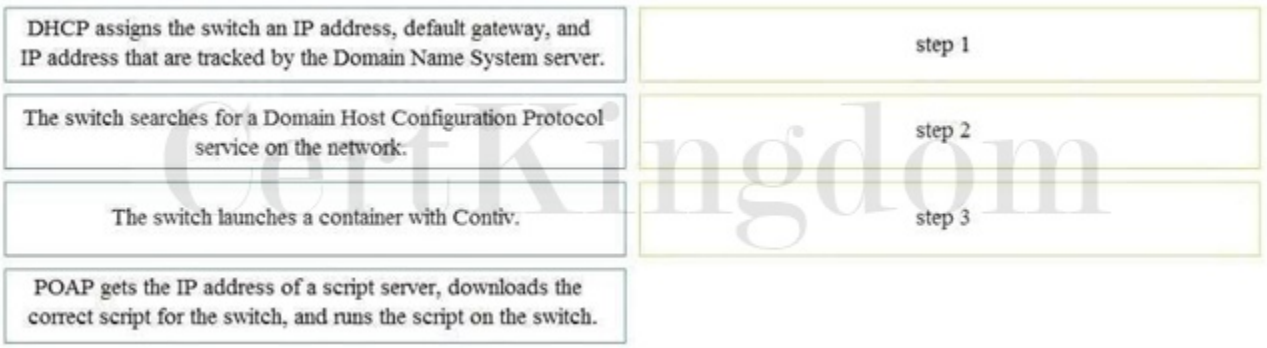
Answer: B
Reference: Devnet training

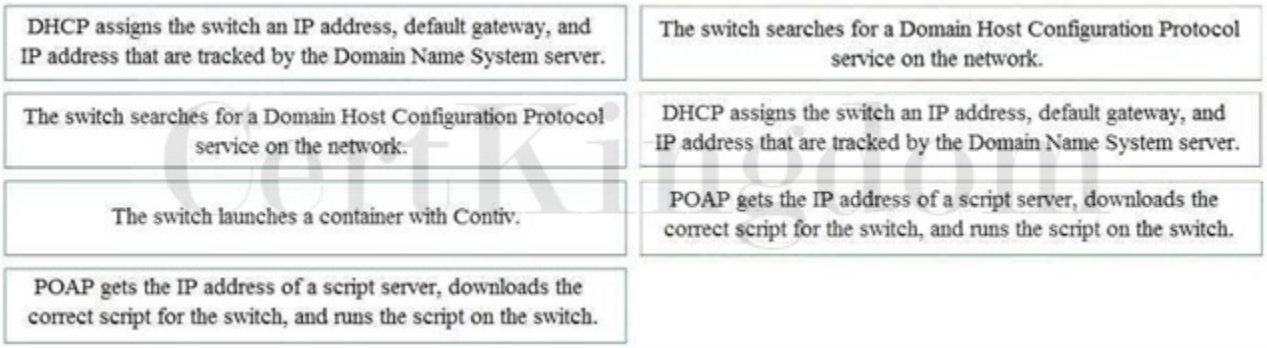
**QUESTION** 12
A set of automation scripts work with no issue from a local machine, but an experiment needs to take place with a new package found online.
How is this new package isolated from the main code base?

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.

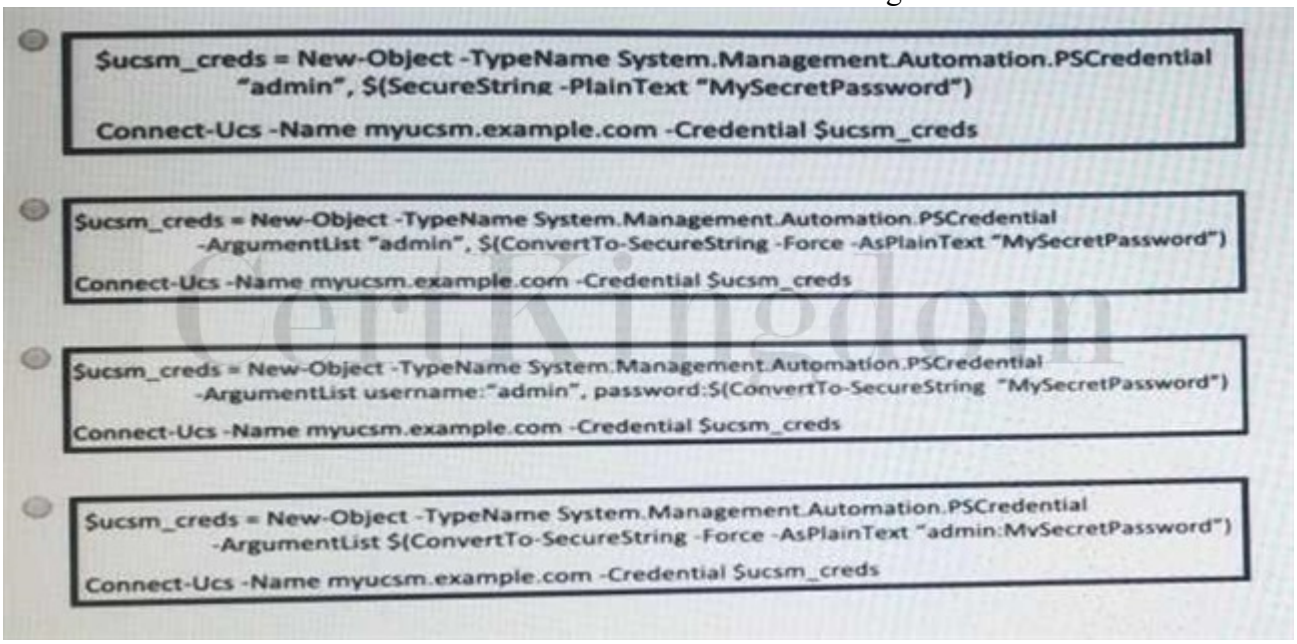



Answer
Step 1 : The switch searches for a Domain Host Configuration Protocol service on the network
Step 2 : DHCP assigns the switch an IP Address, default gateway, and IP address that are tracked by the Domain Name System server.

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?




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-toconnecting-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

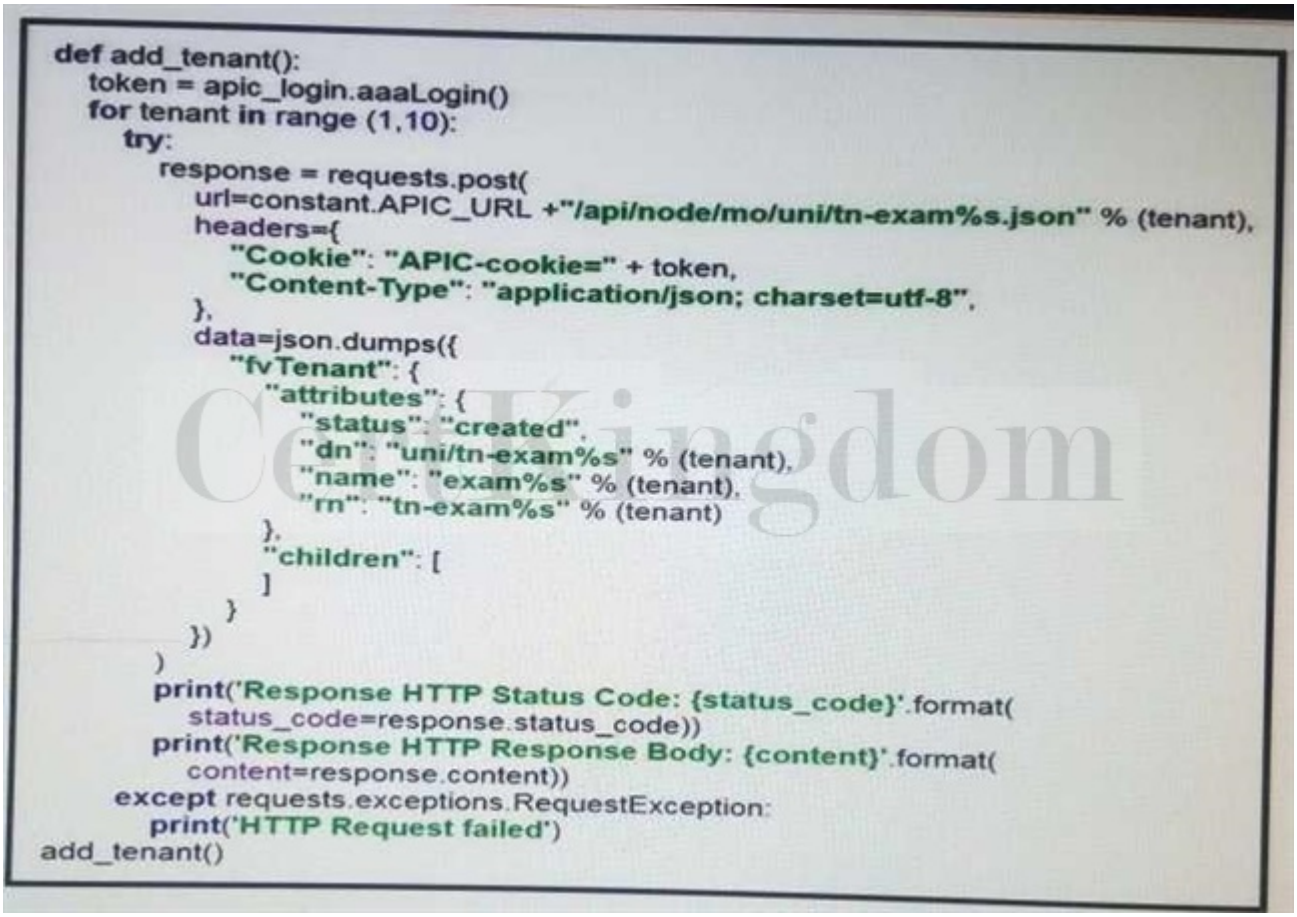
Answer: BD
Reference: https://blogs.cisco.com/developer/its-time-to-move-away-from-snmp-and-cli-and-usemodel-driventelemetry#:~:text=SNMP%20uses%20the%20pull%20model%20when%20retrieving%20data%20from%20a%20switch.&text=SNMP%20also%20uses%20push%20model,limits%20like%20scale%20and%20efficiency.

**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()
```

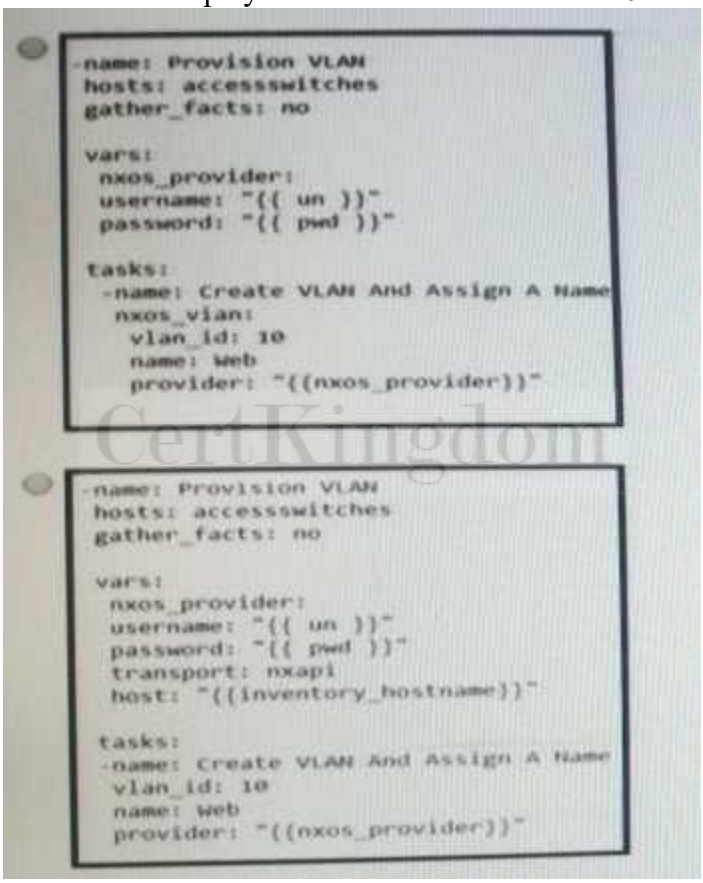
Assuming a new ACI instance what is the result when this script is run?

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

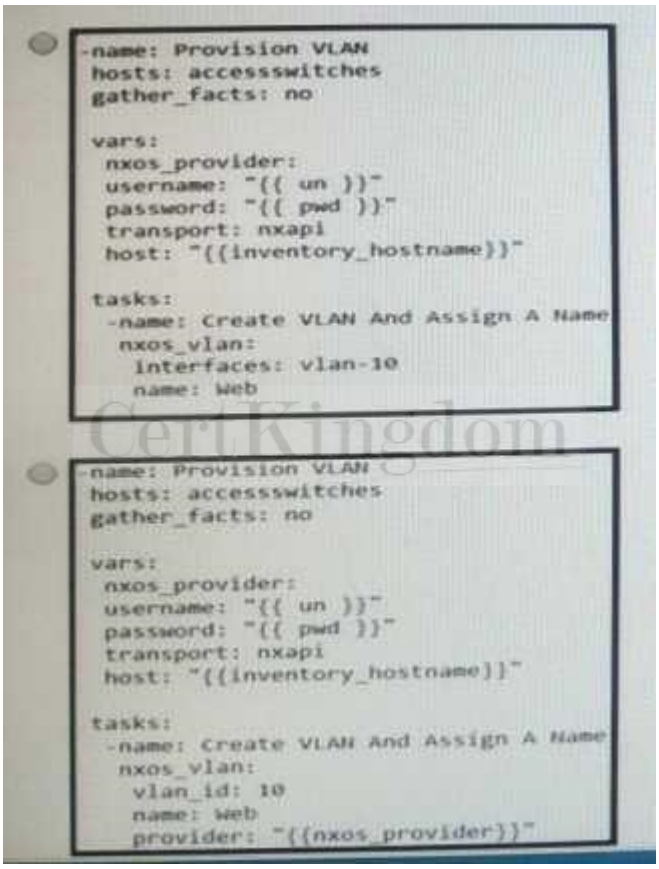
Which Ansible playbook creates a new VLAN 10 named Web?



```
-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}}"
```

CertKingdom

```
-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 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
```

```
-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}}"
```

CertKingdom

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

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

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**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

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