➢ **Vendor:** Cisco

➢ **Exam Code:** 200-901

➢ **Exam Name:** Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC)

➢ **New Updated Questions from Braindump2go (Updated in May/2020)**

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New Question
Refer to the exhibit. An administrator attempts to perform a GET using the Cisco IOS XE RESTCONF API to return the hostname of a device. The sequence diagram illustrates the HTTP messages observed. Which change to the API request resolves the issue?

```
curl -i -k -X "GET" "https"://172.18.110.64:443/ restconf/data/Cisco-IOS-
XE-native:native/hostname" \
-H 'Accept: application/yang-data+json' \
-u 'cisco:cisco'
```

HTTP GET

HTTP 401 Unauthorized
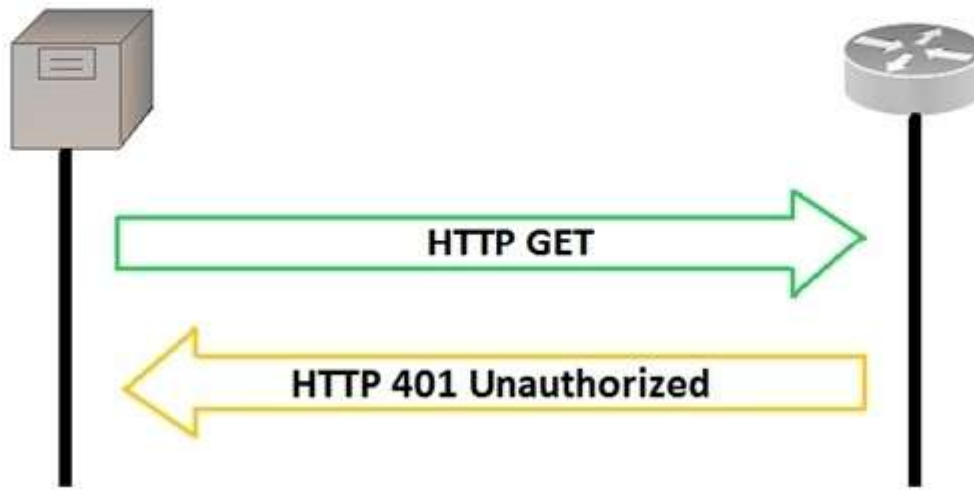
A. Add Content-Type HTTP header with '**application/yang-data+json'** using -H '**Content-Type: application/yang-data+json'**
B. Use **-u cisco:cisco** instead of **-u 'cisco:cisco**
C. Change the request method from -X "GET" to- X' POST".
D. Remove the **-H 'Accept: application/yang-data+json'** HTTP header because it is not required.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

New Question
A developer is reviewing a code that was written by a colleague.
It runs fine, but there are many lines of code to do a seemingly simple task repeatedly.
Which action organizes the code?

A. Refactor the code by removing any unnecessary tests
B. Using functions, rewrite any pieces of code that are repeated
C. Reverse engineer and rewrite the code logic
D. Modify the code to use loops

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

New Question
Refer to the exhibit. The Python interpreter and the Cisco Python SDK are available by default in the Cisco NX-OS Software. The SDK documentation shows how the clid() API can be used when working with JSON and XML.
What are two effects of running the script? (Choose two.)

For CLI commands that support XML, the clid() method returns JSON output. An exception is thrown when XML is not used. Executes CLI commands. Takes CLI command string and returns show command output in a JSON form.

> **"**
> *Note: The "clid" API can be useful when searching the output of show commands using JSON tools as shown in the example.*

PYTHON

```
Example:
>>> import json
>>> from cli import *
>>> jversion = json.loads(clid("show
version"))
>>> jversion[bios_ver_str']
'08.06'
```

Arguments:

- cmd: Single CLI command or a batch of CLI commands. Delimeter for multiple CLI commands is a space followed by a semicolon. Configuration commands must be in a fully qualified form.

Returns:

- string: JSON-formatted output of show commands.

```
>>> from cli import *
>>> import json

>>>
>>> cli('configure terminal ; interface loopback 5 ; no shut')
''
>>> intflist=json.loads(clid('show interface brief'))
>>> i=0
>>> while i < len (intflist['TABLE_interface']['ROW_interface']):
...     intf=intflist['TABLE_interface']['ROW_interface'][i]
...     i=i+1
...     if intf['state'] == 'up':
            print intf['interface']
```

A. configure interlace loopback 5
B. issue shutdown on interface loopback 5
C. show only the interfaces in the up status
D. show only the interfaces in admin shut status
E. show details for the TABLE interface

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:
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/Python_API.html

New Question
Refer to the exhibit. Which two statements describe the configuration of the switch after the Ansible script is run? (Choose two.)

```
---
- hosts: switch2960cx
  gather_facts: no

  tasks:
    - ios_l2_interface:
        name: GigabitEthernet0/1
        state: unconfigured

    - ios_l2_interface:
        name: GigabitEthernet0/1
        mode: trunk
        native_vlan: 1
        trunk_allowed_vlans: 6-8
        state: present

    - ios_vlan:
        vlan_id: 6
        name: guest-vlan
        interfaces:
          - GigabitEthernet0/2
          - GigabitEthernet0/3

    - ios_vlan:
        vlan_id: 7
        name: corporate-vlan
        interfaces:
          - GigabitEthernet0/4

    - ios_vlan:
        vlan_id: 8
        name: iot-vlan
        interfaces:
          - GigabitEthernet0/5
```

A. Traffic on port 0/2 and 0/3 is connected to port 0/6.
B. Traffic from ports 0/2 to 0/5 can flow on port 0/1 due to the trunk.
C. Traffic can flow between ports 0/2 to 0/5 due to the trunk on port 0/1.
D. GigabitEthernet0/2 and GigabitEthernet0/3 are access ports for VLAN 6.
E. GiabitEthernet0/1 is left unconfigured.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

New Question
What are two advantages of the Model-view-controller software design pattern? (Choose two.)

A. simplifies network automation
B. allows for multiple views of the same model
C. makes code easier to deploy using CI/CD pipelines
D. reduces need for error handling
E. separates responsibilities of the code, which makes future modifications easier

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:

New Question

What is the benefit of edge computing?

A. It reduces network latency by moving processing closer to the data source.
B. It simplifies security as devices and processing are brought closer together
C. It removes the need for centralized data processing.
D. It reduces data velocity from devices or other data sources.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
https://blogs.cisco.com/networking/time-to-get-serious-about-edge-computing

New Question
The Cisco APIC REST API supports which two methods'? (Choose two.)

A. POST
B. PATCH
C. PUT
D. OPTIONS
E. GET
F. RESET

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:

New Question
Which two protocols can the Cisco APIC-EM use to communicate with supported platforms? (Choose two.)

A. OpFlex
B. SNMPv2c
C. SSH
D. HTTPS
E. RPC
F. OpenFlow

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

New Question
Which type of threat occur when an attacker can send hostile data to an interpreter within an application?

A. Cross-site scripting
B. Sensitive data exposure
C. Broken authentication
D. Injection

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
https://owasp.org/www-project-top-ten/OWASP_Top_Ten_2017/Top_10-2017_A1-Injection

New Question
Refer to the exhibit. What is the effect of this Ansible playbook on an IOS router?

```
1      ---
2    ∨ - hosts: {{ router }}
3        gather_facts: true
4        connection: local
5
6    ∨   tasks:
7    ∨     - ios_command
8    ∨         commands:
9             - show run
10           provider: "{{ router_credentials }}"
11         register: config
12
13   ∨     - copy:
14           content: "{{ config.stdout[0] }}"
15           dest: "etc/ansible/configs/command_{{ router_hostname }}.txt
16     ...
```

A. A new running configuration is pushed to the IOS router.
B. The current running configuration of the IOS router is backed up.
C. The start-up configuration of the IOS router is copied to a local folder.
D. A new start-up configuration is copied to the IOS router.

Correct Answer: D **Section: (none)**
Explanation

Explanation/Reference:

New Question
Which two statement describe the role of an artifact repository in a CI/CD pipeline? (Choose two.)

A. An artifact repository allows to compare and merge changes in the source code of files involved in a build process.
B. An artifact repository is needed only for CI/CD pipeline executed on a public cloud infrastructure.
C. An artifact repository provides traceability, search, and management of binary files.
D. An artifact repository is needed only for managing open source software.
E. An artifact repository stores files needed and generated during the build process.

Correct Answer: CE **Section: (none)**
Explanation

Explanation/Reference:

New Question
What is the purpose of the Cisco VIRL software tool?

A. To verify configurations against compliance standards
B. To simulate and model networks
C. To automate API workflows
D. To test performance of an application

Correct Answer: B **Section: (none)**
Explanation

Explanation/Reference:
Explanation:
https://www.speaknetworks.com/cisco-virl-better-gns3/

New Question
Which detail is included in a routing table?

A. IP protocol
B. Broadcast address
C. TCP or UDP port number
D. Destination next hop or outgoing interface

Correct Answer: D **Section: (none)**
Explanation

Explanation/Reference:
Explanation:
TCP and UDP are not included in the routing table. https://geek-university.com/ccna/routing-table-explained/

New Question
Which statement about authentication a RESTCONF API session with a router that runs Cisco IOS XE software is true?

A. OAuth must be used.

B. A token must be retrieved and the associated string must be embedded in the X-Auth-Token header.
C. Basic authentication must be used.
D. No authentication is required.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
https://content.cisco.com/chapter.sjs?uri=%2Fsearchable%2Fchapter%2Fcontent%2Fen%2Fus%2Ftd%2Fdocs%2Fios-xml%2Fios%2Fprog%2Fconfiguration%2F169%2Fb_169_programmability_cg%2Frestconf_programmable_interface.html.xml&platform=Cisco%204000%20Series%20Integrated%20Services%20Routers&release=IOS%20XE%20Fuji%2016.9.x

New Question
Which mechanism is used to consume a RESTful API design when large amounts of data are returned?

A. Data sets
B. Scrolling
C. Blobs
D. Pagination

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
https://nordicapis.com/everything-you-need-to-know-about-api-pagination/

New Question
Drag and Drop Questions

Drag and drop the network component names from the left onto the correct descriptions on the right. Not all options are used.

Select and Place:

Correct Answer:

Section: (none) Explanation

Explanation/Reference:

New Question
FILL BLANK

Fill in the blanks to complete the Python script to retrieve a list of network devices using the Cisco DNA Center API.

```
my_token= 'eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.ey.JzdWIoOil1ZDE0OWZkMjhlZTY2
MmQ3NGM5YzE5ZTliLmYzMCLslmV4CcCI6MTU3MjM3ODE%MCwidXNlcm5hbWUiOiJraX
N370940885.zhK5LPQd501ZUpZI0IH_qrgOXttlNbxSFFF7JOEtRls'

import requests
url = "https://myDNAserver/dna/intent/api/v1/network-device" payload =
{}
headers = {'x-auth-token': my_token}
}
response = requests.request(_____, url,
headers =_____, data =_____)
print(response.text.encode('utf8'))
```

Correct Answer: See explanation below.
Section: (none) Explanation

Explanation/Reference:
Explanation:
response = requests.request(method , url, headers =
headers, data = request.get_data)
print(response.text.encode('utf8'))

https://www.programcreek.com/python/example/64946/flask.request.get_data