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QUESTION 1

Which is a format used for the YANG JSON content-type header?

- A. application/vnd.yang.data+json
- B. application/vnd.yang.data+json
- C. application/yang.data.json
- D. application/vnd.yang.data json

Correct Answer: B

QUESTION 2

What are two benefits of using Cisco NSO? (Choose two.)

- A. It abstracts the device adapter and complex device logic from the service logic.
- B. It uses load balancing services for better traffic distribution.
- C. It easily integrates into northbound systems and APIs.
- D. It can replace the CI/CD pipeline tools.
- E. It automatically discovers all deployed services.

Correct Answer: AC

Reference: <https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2018/pdf/BRKDCN-2498.pdf>

QUESTION 3

An engineer must change from using NETCONF for streaming telemetry to telemetry data using gRPC framework because NETCONF uses XML for message and payload encoding. Which two messages and payload encodings does gNMI use? (Choose two.)

- A. gNMI notifications with XML
- B. protobuf notifications with XML
- C. protobuf payload
- D. JSON payload
- E. gNMI notifications with JSON

Correct Answer: CE

Reference: <https://books.google.com/books?id=4AqXDwAAQBAJandpg=PT131andlpg=PT131anddq=messages+and+p>

ayload+encodings+does+gNMI +useandsource=blandots=81hpFjIZ_9andsig=ACfU3U1EAEwjRMBnCiHNESBwFLHvZ
DHkBwandhl=enandsa=Xandved=2ahUKEwjirNeZptfpAhXDoFsKHeqMBFsQ6AEwBHoECAsQAQ#v=onepageandq=m
essages%20and%20payload%20encodings%20does%20gNMI%20useandf=false

QUESTION 4

```
tasks:  
- name: run show version on remote devices  
  iosxr_command:  
    commands: show version
```

Refer to the exhibit. What must be added after the last line of the Ansible playbook to check if the output contains "IOS-XR"?

- A. wait_for: result[1] contains "IOS-XR"
- B. wait_for: result[0] contains IOS-XR
- C. notify: "IOS-XR"
- D. wait_for_connection:

Correct Answer: B

QUESTION 5

Which statement describes an asynchronous API communication?

- A. Asynchronous communication waits for a response.
- B. Synchronous communication is with a central orchestrator.
- C. It is not necessary to wait for availability of a resource.
- D. An application can freeze if there is no response from a request.

Correct Answer: C

QUESTION 6

Which two Python libraries are used to write a script to retrieve network device information using RESTCONF? (Choose two.)

- A. PySNMP
- B. requests

C. ncclient

D. YANG

E. json

Correct Answer: BE

QUESTION 7

```
<?xml version="1.0" encoding="UTF-8" ?>
<employees>
  <employee>
    <id>1</id>
    <firstName>Jane</firstName>
    <firstName>Doe</lastName>
  </employee>
  <employee>
    <id>2</id>
    <firstName>Tim</firstName>
    <lastName>Public</lastName>
  </employee>
  <employee>
    <id>3</id>
    <firstName>John</firstName>
    <lastName>Doe</latName>
  </employee>
</employees>
```

Refer to the exhibit. Using the provided XML snippet, which Xpath expression prints "Jane"?

A. //employee[1]/firstName/value()

B. //employee[0]/firstName/value()

C. //employee[1]/firstName/text()

D. //employee[0]/firstName/text()

Correct Answer: D

QUESTION 8

Which two data formats are human readable? (Choose two.)

- A. YAML
- B. Apache Arrow
- C. gRPC
- D. binary
- E. JSON

Correct Answer: AE

QUESTION 9

```
#!/user/bin/env python

import json
import requests

NE = {
    "device":{
        "name": "ios-device",
        "address": "192.168.0.1",
        "port":22,
        "state":{
            "admin-state": "unlocked"

        },
        "authgroup": "default",
        "device-type":{
            "cli":{
                "ned-id": "tailf-ned-cisco-ios-id:cisco-ios"
            }
        }
    }
}

def main():
    baseUri = "http://localhost:8080/restconf/data"
    auth = ('john', 'suoer123')
    headers = {'Content-Type': 'application/yang-data+json'}
    response = requests.put(baseUri + '/devices/device=ios-device', auth=auth, headers=headers,
        data=json.dumps(NE))
    print(response)

    baseUriOperation = "http://localhost:8080/restconf/operations"

    response = requests.post(baseUriOperation + "/devices/device=ios3/sync-from. auth=auth, headers=headers)
    print(response)

if __name__ == "__main__":|
    main()
```

Refer to the exhibit. A Python script is created to add a new device on Cisco NSO using RESTCONF API. The device is added successfully, but a 405 Method Not Allowed RESTCONF error code has received as the line to fetch SSH keys runs. Which code is missing to complete the script?

- A. response = requests.put(baseUriOperation + "/devices/device=ios-device/ssh/fetch-host-keys", auth=auth, headers=headers)
- B. response = requests.post(baseUriOperation + "/devices/device=ios-device/ssh/fetch-host-keys", auth=auth, headers=headers)
- C. response = requests.post(baseUriOperation + "/devices/device=ios-device/ssh/request-host-keys", auth=auth, headers=headers)
- D. response = requests.put(baseUriOperation + "/devices/device=ios-device/ssh/request-host-keys", auth=auth,

headers=headers)

Correct Answer: C

QUESTION 10

```
<config-template xmlns= "http://tail-f.com/ns/config/1.0"
  servicepoint= "acl_lab">
  <devices xmlns= "http://tail-f.com/ns/ncs">
    <device foreach= "{/devices}">
      <name>{/device_name}</name>
      <config>
        <vlan xmlns= "urn:ios">
          <vlan-list>
            <id>{/vlan-number}</id>
            <name>{/name}</name>
          </vlan-list>
        </vlan>
      </config>
    </device>
  </devices>
</config-template>
```

Refer to the exhibit. An engineer updated the skeleton template. How can a device be entered into the YANG Model?

- A. Modify the device instance of the device by referencing the acl_lab variable from our YANG model.
- B. Deploy a service instance that configures a VLAN of all of the devices present in Cisco NSO.
- C. Deploy a service instance that configures a VLAN of a list of devices referenced to the service YANG model.
- D. Modify the device instance by referencing the device variable from our YANG model.

Correct Answer: D

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