

300-435^{Q&As}

Automating and Programming Cisco Enterprise Solutions (ENAUTO)

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QUESTION 1

Which statement is true for Cisco IOS XE Software?

- A. RESTCONF supports JSON and XML and NETCONF supports XML.
- B. RESTCONF supports XML and NETCONF supports JSON and XML.
- C. RESTCONF and NETCONF supports JSON and XML.
- D. RESTCONF supports XML and NETCONF supports JSON.

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/169/b_169_programmability_cg/restconf_programmable_interface.html

QUESTION 2

Which two features are characteristics of software-defined networks when compared to traditional infrastructure? (Choose two.)

- A. configured box-by-box
- B. changed manually
- C. use overlay networks
- D. designed to change
- E. require software development experience to manage

Correct Answer: CD

Reference: https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Data_Center/VMDC/SDN/SDN.html

QUESTION 3

A configuration has been made to add to every switch port a new port description. The script worked initially, but after a few seconds, an HTTP 429 status code was received. What causes this error message from the Meraki cloud?

- A. The wrong API key is used to query the data.
- B. The rate limit of the Cisco Meraki API is exceeded.
- C. The API key has expired.
- D. The device goes offline while you poll the API dashboard.

Correct Answer: B

Reference: <https://community.meraki.com/t5/Developers-APIs/my-API-Limit-exceed-and-key-is-not-working/td-p/64034>

QUESTION 4

Which tag is required when establishing a YANG-push subscription with a Cisco IOS XE device?

- A.
- B.
- C.
- D.

Correct Answer: D

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/1612/b_1612_programmability_cg/model_driven_telemetry.html

QUESTION 5

A programmer is creating a Meraki webhook Python script to send a message to Webex Teams. Which two elements should be configured to create this script? (Choose two.)

- A. gRPC credentials
- B. Webex Teams access token
- C. XML formatted request
- D. user authentication count
- E. webhook server secret

Correct Answer: BD

QUESTION 6

Which field must be completed in Cisco DNA Center when a network discovery is initiated?

- A. SNMP read community string
- B. Enable password
- C. NETCONF port
- D. Discovery type

Correct Answer: D

Reference: https://www.cisco.com/c/dam/en_us/training-events/product-

training/dnac-13/DNAC13_AddingDevicesByUsingDiscovery.pdf (p.26)

QUESTION 7

Which action allows for creating a Python script to pull inventory for Cisco SD-WAN Viptela devices using the Viptela library in the code?

- A. from urllib.request import Viptela
- B. from viptela.devices import Viptela
- C. from viptela.viptela import Viptela
- D. from viptela.library import Viptela

Correct Answer: B

The viptela.devices import viptela can be used to put inventory from Cisco SD WAN viptela devices.

QUESTION 8

What is the purpose of using the Cisco SD-WAN vManage Certificate Management API?

- A. to generate a CSR
- B. to allocate resources to the certificate server
- C. to request a certificate from the certificate server
- D. to enable vManage Center

Correct Answer: A

Reference: <https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/sdwan-xe-gs-book/cisco-sd-wan-overlay-network-bringup.html>

QUESTION 9

When accessing the /device-detail endpoint in Cisco DNA Center, what is an acceptable SearchBy parameter value?

- A. platform type
- B. IP address
- C. software version
- D. MAC address

Correct Answer: D

QUESTION 10

```
<rpc xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" message-id="101">
  <get>
    <filter>
      <native xmlns="http://cisco.com/ns/yang/Cisco-IOS-XE-native">
        <ntp>
          <server xmlns="http://cisco.com/ns/yang/Cisco-IOS-XE-ntp">
            <server-list>
              <ip-address>10.11.10.65</ip-address>
            </server-list>
          </server>
        </ntp>
      </native>
      <ntp-oper-data xmlns="http://cisco.com/ns/yang/Cisco-IOS-XE-ntp-oper">
        <ntp-status-info>
          <ntp-associations>
            <peer-stratum/>
          </ntp-associations>
        </ntp-status-info>
      </ntp-oper-data>
    </filter>
  </get>
</rpc>
```

Refer to the exhibit. How many YANG models does the NETCONF operation interact with?

- A. one
- B. two
- C. three
- D. four

Correct Answer: A

The get operation tag is at the beginning of the document. It interacted only with NTP and its related services. There get operation interacted only with one model.

QUESTION 11

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <establish-subscription
    xmlns="urn:ietf:params:xml:ns:yang:ietf-event-notifications"
    xmlns:yp="urn:ietf:params:xml:ns:yang:ietf-yang-push">
    <stream>yp:yang-push</stream>
    <yp:xpath-filter>/mdt-oper:mdt-oper-data/mdt-subscriptions</yp:xpath-filter>
    <yp: [ ] >1000</yp: [ ] >
  </establish-subscription>
</rpc>
```

Refer to the exhibit. Which XML tag completes this NETCONF telemetry subscription with a Cisco IOS XE device?

- A. crontab
- B. cadence
- C. frequency
- D. period

Correct Answer: D

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/1610/b_1610_programmability_cg/model_driven_telemetry.html

QUESTION 12

```
import requests
import sys

requests.package.urllib3.disable_warnings()

HOST = '10.1.2.3'
PORT = 9443
USER = 'user'
PASS = 'password'

def main():
    url = "https://{h}:{p}/restconf/data/Cisco-IOS-XE-native:native/hostname".format(h=HOST, p=PORT)

    headers = {'Content-Type': 'application/ [REDACTED] ',
              'Accept': 'application/[REDACTED]'}
    response = requests.get(url, auth=(USER,PASS),
                           headers=headers, verify=False)
    print(response.text)

if __name__ == '__main__':
    sys.exit(main())
```

Refer to the exhibit. An engineer creates a Python script using RESTCONF to display hostname information. The code must be completed so that it can be tested. Which string completes the highlighted areas in the exhibit?

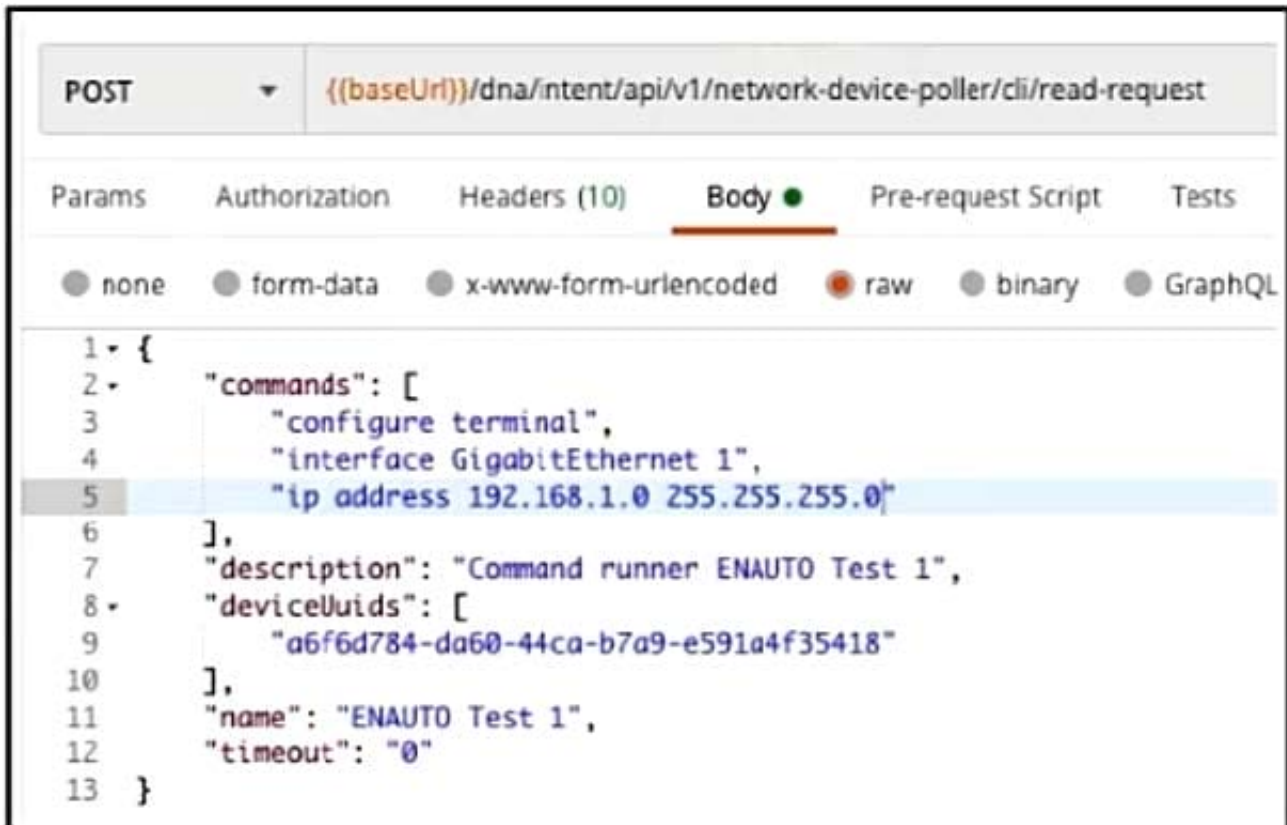
- A. yang-data+json
- B. yang +json
- C. yang.data+json

D. json

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/166/b_166_programmability_cg/restconf_prog_int.html

QUESTION 13



The screenshot shows a REST client interface with the following details:

- Method: POST
- URL: `{{baseUrl}}/dna/intent/api/v1/network-device-poller/cli/read-request`
- Body Format: raw (selected)
- Body Content (JSON):

```
1 {
2   "commands": [
3     "configure terminal",
4     "interface GigabitEthernet 1",
5     "ip address 192.168.1.0 255.255.255.0"
6   ],
7   "description": "Command runner ENAUTO Test 1",
8   "deviceUuids": [
9     "a6f6d784-da60-44ca-b7a9-e591a4f35418"
10  ],
11  "name": "ENAUTO Test 1",
12  "timeout": "0"
13 }
```

Refer to the exhibit. After executing the call, an engineer obtains the result of the Command Runner execution. The three commands show as blocklisted in the downloaded file. What is the cause of the error?

- A. The API user in Cisco DNA does not have write privileges on the devices.
- B. The engineer attempting to access the devices in Cisco DNA Center does not have privilege 15.
- C. The format of the JSON body must follow the CLI format.
- D. Command Runner supports only the show command and the read-only command.

Correct Answer: D

QUESTION 14

```
1 {
2   'data':
3     [
4       {
5         'count':4,
6         'detailsURL': '',
7         'name': 'vEdge Hardware Health',
8         'status': 'error',
9         'statusList':
10        [
11          {
12            'count':4
13            'detailsURL': '/dataservice/device/hardwarehealth/detail?state=normal',
14            'message': '4 (normal=4, warning=0,error=0)',
15            'name': 'normal',
16            'status': 'up'
17          }
18        ]
19      }
20    ]
21 }
```

Refer to the exhibit. Cisco SD-WAN deployment must be fixed using vManage APIs. A call to vEdge Hardware Health API returns the data in the exhibit (only a portion is shown). If the JSON shown in the exhibit is converted to a Python dictionary named "d", how is the "status" property referenced?

- A. d['data']['statusList']['status']
- B. nbvnbvvnbhg
- C. d['data'][0]['statusList'][0]['status']
- D. d[data][0][statusList][0][status]

Correct Answer: C

QUESTION 15

Webhooks that are generated by Cisco DNA Center are REST calls with which properties?

- A. JSON payload delivered via PUT
- B. XML payload delivered via POST
- C. JSON payload delivered via POST
- D. XML payload delivered via PUT

Correct Answer: A

Reference: <https://developer.cisco.com/docs/dna-center/#!using-id-values-in-rest-requests>