



**Cisco**

## **Exam Questions 300-435**

Automating and Programming Cisco Enterprise Solutions (ENAUTO)

### NEW QUESTION 1

What are two characteristics of synchronous calls to APIs? (Choose two.)

- A. They can be used only with certain programming languages.
- B. They make your application less portable, so asynchronous calls are preferred.
- C. They can add perceived latency to your application if data is not received.
- D. They block until a response is returned from the servers.
- E. They do not block while waiting for the API to be processed.

Answer: CE

### NEW QUESTION 2

```
neighbors = ['s1', 's2', 's3']
switch = {'hostname': 'nexus', 'os': '7.0.3', 'neighbors': neighbors}
print(switch['neighbors'][1])
```

Refer to the exhibit. What is the result when running the Python scripts?

- A. s1
- B. s2
- C. s1, s2, s3
- D. s3

Answer: B

### NEW QUESTION 3

```
{
  "Cisco-IOS-XR-ifmgr-cfg:interface-configurations": {
    "interface-configuration": [
      {
        "active": "act",
        "interface-name": "Loopback0",
        "description": "PRIMARY ROUTER LOOPBACK"
      }
    ]
  }
}
```

Refer to the exhibit. Which type of YANG container is described by the JSON instance provided?

- A. interface-configurations
- B. active
- C. interface-name
- D. description

Answer: A

### NEW QUESTION 4

Which statement describe the difference between OpenConfig and native YANG data models?

- A. Native models are designed to be independent of the underlying platform and are developed by vendors and standards bodies, such as the IETF.
- B. Native models are developed by individual developers and designed to apply configurations on platforms.
- C. OpenConfig models are developed by vendors and designed to integrate to features or configurations that are relevant only to that platform.
- D. Native models are developed by vendors and designed to integrate to features or configurations that are relevant only to that platform.

Answer: A

### NEW QUESTION 5

```

module: ietf-ip
augment /if:interfaces/if:interface:
  +--rw ipv4!
  | +--rw enabled?      boolean
  | +--rw forwarding?  boolean
  | +--rw mtu?          uint16
  | +--rw address* [ip]
  | | +--rw ip          inet:ipv4-address-no-zone
  | | +--rw (subnet)
  | | | +--:(prefix-length)
  | | | | +--rw prefix-length?      uint8
  | | | | +--:(netmask)
  | | | | +--rw netmask?            yang:dotted-guad (ipv4-non-contiguous-netmasks)?
  | | +--ro origin?                ip-address-origin
  | +--rw neighbor* [ip]
  |   +--rw ip                      inet:ipv4-address-no-zone
  |   +--rw link-layer-address      yang:phys-address
  
```

Refer to the exhibit. Which NETCONF statement type is represented by +--rw address\* [ip]?

- A. list
- B. leaf-list
- C. container
- D. submodule

Answer: A

**NEW QUESTION 6**

The automation engineer must replace device configuration using RESTCONF. How is this configured using the Python library Requests?

- A. delete()
- B. post()
- C. put()
- D. patch()

Answer: C

**NEW QUESTION 7**

FILL BLANK

Fill in the blanks to complete this API request against the Cisco SD\_WAN vManage Statistics API, which specified a deviceId of 260faff9-2d31-4312-cf96-143b46db0211, a local-color of biz-internet, and a remote-color of gold.

`https://vmanage-ip-address:8443/dataservice/device/app-route/statistics?`  `260faff9-2d31-4312-`  
`cf96-143b46db0211`  `biz-internet`  `gold`

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

deviceId=, local-color, remote-color

**NEW QUESTION 8**

What does the command boot ipxe forever switch 1 perform when executed on a Cisco IOS XE device?

- A. It continuously sends DHCP requests for iPXE until the device boots with an image.
- B. It continuously sends DNS requests for iPXE until the device restarts.
- C. It continuously sends DNS requests for iPXE until the device boots with an image.
- D. It continuously sends DHCP requests for iPXE until the device restarts.

Answer: A

**NEW QUESTION 9**

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

Answer: D

**NEW QUESTION 10**

Which two API calls are used to trigger a device configuration sync in Cisco DNA Center? (Choose two.)

- A. PUT /dna/intent/api/v1/network-device
- B. PUT /dna/intent/api/v1/network-device/sync-all
- C. PUT /dna/intent/api/v1/network-device/{networkDeviceId}/sync
- D. PUT /dna/intent/api/v1/network-device/sync
- E. POST /dna/intent/api/v1/network-device/{networkDeviceId}/sync

**Answer:** CE

**NEW QUESTION 10**

A network administrator must troubleshoot a network issue using Cisco DNA Center. Which API request helps to determine issue details, impacted hosts, or suggested actions for the resolution?

- A. /dna/intent/v1/issues
- B. /dna/intent/api/v1/issues
- C. /dna/intent/v1/issue-enrichment-details
- D. /dna/api/v1/client-health/issues

**Answer:** B

**NEW QUESTION 12**

FILL BLANK

`https://vmanage-ip-address:8443/dataservice/device/action/reboot`  `260faff9-2d31-4312-cf96-143b46db0211`

Information about a rebooted device needs to be displayed with an ID of 260faff9-2d31-4312-cf96-143b46db0211 using the Cisco SD-WAN vManage Administration APIs. The API documentation states that deviceId is a required request parameter. Fill in the blank to create the REST call.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

“deviceid”:

**NEW QUESTION 15**

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

**Answer:** A

**NEW QUESTION 17**

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

**Answer:** B

**NEW QUESTION 19**

```
{
  'data':
    [
      {
        'availableVersions': []
        'chassisNumber': '4af9e049-0052-47e9-83af-81a5825f7ffe',
        'deviceIP': '4.4.4.60',
        'deviceModel': 'vedge-cloud',
        'deviceType': 'vedge',
        'host-name': 'vedge01',
        ...
      }
    ]
}
```

Refer to the exhibit. A Python script has been created that calls the Cisco SD-WAN vManage Device Inventory API to get the list of vEdges. The JSON data that returns to a Python dictionary has been converted and assigned to a variable named "d". A portion of the JSON is shown in the exhibit. Which code will complete the expression hostname= to access the hostname?

- A. d["data"][0]["host-name"]
- B. d[data][0][host-name]
- C. d("data")[0]("host-name")
- D. d["host-name"]["data"]{0}

Answer: A

#### NEW QUESTION 22

FILL BLANK

Fill in the blank to complete the URL for an API call to Cisco SD-WAN to display the history of the Bidirectional Forwarding Detection sessions that run on a vEdge router.

**https://<vmanage-ip-address>/dataservice/device/  deviceid=<deviceid>**

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

bfd/synced/sessions?

#### NEW QUESTION 24

Which Python snippet receives a Meraki webhook request?

A.

```
@app.route('/mynet/webhook', methods=['PUT'])
@app.accept_body(WebhookSchema)
def receive_webhook(**kwargs):
    send_sms_alert(kwargs['alertType'])
```

A. 

```
@app.route('/mynet/webhook', methods=['GET'])
@app.accept_body(WebhookSchema)
def receive_webhook(**kwargs):
    send_sms_alert(kwargs['alertType'])
```

B. 

```
@app.route('/mynet/webhook', methods=['PATCH'])
@app.accept_body(WebhookSchema)
def receive_webhook(**kwargs):
    send_sms_alert(kwargs['alertType'])
```

C. 

```
@app.route('/mynet/webhook', methods=['POST'])
@app.accept_body(WebhookSchema)
def receive_webhook(**kwargs):
    send_sms_alert(kwargs['alertType'])
```

Answer: D

#### NEW QUESTION 28

Which HTTP request is valid to create a new wireless network called "Demo Wireless Network" in the organization "QASD- EROA-MKAW"?

A. **POST /organizations/networks**  
 Host: **https://api.meraki.com/api/v0**

```
{
  "name": "Demo Wireless Network",
  "organizationId": "QASD-EROA-MKAW",
  "type": "wireless"
}
```

B. **POST /organizations/QASD-EROA-MKAW/networks**  
 Host: **https://api.meraki.com/api/v0**

```
{
  "name": "Demo Wireless Network",
  "type": "combined"
}
```

C. `POST /organizations/QASD-EROA-MKAW/networks`

Host: `https://api.meraki.com/api/v0`

```
{  
  "name": "Demo Wireless Network",  
  "organizationId": "QASD-EROA-MKAW",  
  "type": "wireless"  
}
```

Answer: A

NEW QUESTION 31

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