



**Cisco**

## **Exam Questions 300-435**

Automating and Programming Cisco Enterprise Solutions (ENAUTO)

### NEW QUESTION 1

Which two features are foundations of a software-defined network instead of a traditional network? (Choose two.)

- A. control plane and data plane are tightly coupled
- B. build upon a robust software stack
- C. requires device by device-level configurations
- D. automated through expressed intent to a software controller
- E. requires significant physical hardware resources

Answer: BD

### NEW QUESTION 2

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 3

```
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 4

```
{
  "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 5

```
module: Cisco-IOS-XE-vlan-oper
+--ro vlans
  +--ro vlan* [id]
    +--ro id          uint16
    +--ro name?       string
    +--ro status?     vlan-iso-xe-oper:vlan-status-type
    +--ro ports* []
      | +--ro interface?  string
      | +--ro subinterface? uint32
    +--ro vlan-interfaces* [interface]
      +--ro interface  string
      +--ro subinterface uint32
```

Refer to the exhibit. Which NETCONF protocol operation is used to interact with the YANG model?

- A. <edit-config>
- B. <get>
- C. <get-config>
- D. <copy-config>

Answer: A

#### NEW QUESTION 6

```
<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 <get> operation interact with?

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

Answer: A

#### NEW QUESTION 7

Which statement is true for Cisco IOS XE Software?

- A. RESTCONF supports JSON and XML and NETCONF supports XM
- 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.

Answer: A

#### NEW QUESTION 8

Which curl command is used to update the SNMP community of network ID "1234567" to read-only?

A.

```
curl -L -H 'X-Cisco-Meraki-API-Key: <key>' \
  -H 'Content-Type: application/json' \
  -X PUT --data-binary '{ \
    "access": "users", \
    "communityString": "readonly"}' \
  'https://api.meraki.com/api/v0/networks/1234567/snmpSettings'
```

B.

```
curl -L -H 'X-Cisco-Meraki-API-Key: <key>' \
  -H 'Content-Type: application/json' \
  -X PUT --data-binary '{ \
    "access": "community", \
    "communityString": "readonly"}' \
  'https://api.meraki.com/api/v0/networks/1234567/snmpSettings'
```

C.

```
curl -L -H 'X-Cisco-Meraki-API-Key: <key>' \
-H 'Content-Type: application/json' \
-X PUT --data-binary '{ \
  "access": "users", \
  "username": "snmp", \
  "passphrase": "readonly"}' \
'https://api.meraki.com/api/v0/networks/1234567/snmpSettings'
```

D.

```
curl -L -H 'X-Cisco-Meraki-API-Key: <key>' \
-H 'Content-Type: application/json' \
-X POST --data-binary '{ \
  "access": "community", \
  "communityString": "readonly"}' \
'https://api.meraki.com/api/v0/networks/1234567/snmpSettings'
```

A.

Answer: B

### NEW QUESTION 9

```
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 10

FILL BLANK

Fill in the blank to complete the statement.

is a solution for automating the configuration of a device when it is first powered on, using DHCP and TFTP.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Zero touch provisioning (ZTP)

### NEW QUESTION 10

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 13**

In which direction does the Cisco DNA Center Intent API communicate?

- A. westbound
- B. eastbound
- C. northbound
- D. southbound

**Answer: C**

**NEW QUESTION 17**

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 18**

During a network outage, a network administrator used the Cisco SD-WAN vManage Troubleshooting Dashboard APIs to troubleshoot the cause of the issue. Which detail is captured during troubleshooting with these APIs?

- A. VPN health
- B. public cloud resources
- C. connections summary
- D. OMP connection health

**Answer: C**

**NEW QUESTION 23**

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**

**“https://vmanage-ip-address:8443/dataservice/template/policy/vsmart/activate/{policyId}”**

Refer to the exhibit. A Python script must be created to deactivate vSmart Policy Cisco SD-WAN vManage Configuration APIs. The documentation states the URL is as shown in the exhibit for this REST call using POST, and that “policyId” is a required request parameter. Which line of Python code makes this call, assuming the variable “s” is a valid Requests session object and the variable “policy-id” is the policyId?

- A. s.port('https://vmanage:8443/dataservice/template/policy/vsmart/activate?policyId=%s' % policy\_id)
- B. s.port('https://vmanage:8443/dataservice/template/policy/vsmart/activate/%s' % policy\_id)
- C. s.port('https://vmanage:8443/dataservice/template/policy/vsmart/activate&policyId=%s' % policy\_id)
- D. s.port('https://vmanage:8443/dataservice/template/policy/vsmart/activate/', data = {'policyId': policy\_id})

**Answer: A**

**NEW QUESTION 25**

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.

**Answer: B**

**NEW QUESTION 28**

Which URI with the request body of Request body: {"name":"Test","organizationId":<org\_id>,"type":"appliance"} creates a new Meraki network called "Test", when using APIs?

- A. PUT [https://api.meraki.com/api/v0/organizations/<org\\_id>/networks](https://api.meraki.com/api/v0/organizations/<org_id>/networks)
- B. POST <https://api.meraki.com/api/v0/networks>
- C. POST [https://api.meraki.com/api/v0/organizations/<org\\_id>/networks/<net\\_id>](https://api.meraki.com/api/v0/organizations/<org_id>/networks/<net_id>)
- D. POST [https://api.meraki.com/api/v0/organizations/<org\\_id>/networks](https://api.meraki.com/api/v0/organizations/<org_id>/networks)

**Answer:** D

**NEW QUESTION 31**

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