

Exam Questions 300-435

Automating and Programming Cisco Enterprise Solutions (ENAUTO)

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NEW QUESTION 1

What are two characteristics of RPC API calls? (Choose two.)

- A. They can be used only on network devices.
- B. They use only UDP for communications.
- C. Parameters can be passed to the calls.
- D. They must use SSL/TLS.
- E. They call a single function or service.

Answer: AC

NEW QUESTION 2

What are two benefits of leveraging Ansible for automation of Cisco IOS XE Software? (Choose two.)

- A. Ansible playbooks are packaged and installed on IOS XE devices for automatic execution when an IOS device reboots.
- B. All IOS XE operating systems include Ansible playbooks for basic system administration tasks.
- C. It is a device-independent method for automation and can be used with any type of device or operating system.
- D. Ansible playbooks can be written from the IOS XE EXEC command line to configure the device itself.
- E. It does not require any modules of software except SSH to be loaded on the network device.

Answer: AC

NEW QUESTION 3

```
return_val=
{
  "alertId": "643451796765672516",
  "alertType": "appliances went down",
  "deviceMac": "e0:55:3d:6c:c1:7a",
  "deviceName": "MX65 c1:7a",
  "deviceSerial": "Q2QN-58EA-XXXX",
  "deviceUrl": "https://n143.meraki.com/Branch-1/n/.../manage/nodes/new_wired_status",
  "networkId": "L_1234567890",
  "networkName": "Branch 1",
  "networkUrl": "https://n143.meraki.com/Branch-1/n/.../manage/nodes/wired_status",
  "occuredAt": "2018-11-10T18:45:20.000000Z",
  "organizationId": "1234567",
  "organizationName": "Meraki Demo",
  "organizationUrl": "https://n143.meraki.com/o/.../manage/organization/overview",
  "sentAt": "2018-11-10T18:50:30.479982Z",
  "SharedSecret": "asdf1234",
  "version": "0.1"
}
```

Refer to the exhibit. The task is to create a Python script to display an alert message when a Meraki MX Security Appliance goes down. The exhibit shows sample data that is received. Which Python snippet displays the device name and the time at which the switch went down?

- A.

```
with return_val:
    print("The Switch: "+deviceName+ ",
    went down at: "+occurredAt)
```
- B.

```
print("The Switch: "+return_val.deviceName+ ", \
went down at: "+return_val.occurredAt)
```
- C.

```
print("The Switch: "+return_val['deviceName']+ ", \
went down at: "+return_val['occurredAt'])
```
- D.

```
with items as return_val:
    print("The Switch: "+items.deviceName+ ",
    went down at: "+items.occurredAt)
```

Answer: B

NEW QUESTION 4

```
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 5

```
<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 6


```
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-quad (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 7

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 8

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 9

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

- A. <yp:period>
- B. <yp:subscription-result>
- C. <yp:subscription-id>
- D. <yp:xpath-filter>

Answer: D

NEW QUESTION 10

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 10

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 14

The Cisco DNA Center Sites API must be used to add a device to a site, but only the site name is available. Which API call must be used to retrieve the site identifier so that the device can be properly added to the network?

- A. /dna/intent/api/site/siteId
- B. /dna/intent/api/site
- C. /dna/intent/api/v1/site
- D. /dna/intent/api/v1/site/siteName

Answer: C

NEW QUESTION 19

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 23

DRAG DROP

A Cisco DNA Center script must be written to retrieve a list of interfaces on a switch. Drag and drop the API calls that are needed to return the list of interfaces using the Command Running APIs from the left into the correct sequence on the right.

Select and Place:

Answer Area

Get task by ID.	run 1
Get file by ID.	run 2
Run read-only commands on devices.	run 3
Get device list.	run 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Get task by ID.	Run read-only commands on devices.
Get file by ID.	Get device list.
Run read-only commands on devices.	Get file by ID.
Get device list.	Get task by ID.

NEW QUESTION 28

Which two network assurance features are provided by the Cisco DNA Center API? (Choose two.)

- A. site health
- B. license compliance health
- C. client health
- D. Cisco APIC appliance health
- E. Cisco DNA Center appliance health

Answer: AC

NEW QUESTION 32

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

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

Answer: C

NEW QUESTION 37

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

Answer: CD

NEW QUESTION 42

```

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 troubleshooted using vManage APIs. A call to vEdge Hardware Health API returns the data in the exhibit

(only a portion is shown). If this JSON is converted to a Python dictionary and assigned to the variable “d”, how the status is accessed that is indicated on line 16?

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

Answer: B

NEW QUESTION 46

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

- A. to securely deploy vManage
- B. to report an issue to Cisco TAC
- C. to install signed certificates
- D. to contact Enterprise Certificate Authority

Answer: A

NEW QUESTION 50

Which two API calls must be issued to attach a device template in Cisco SD-WAN? (Choose two.)

- A. “monitor device action status” GET API request with the device ID to display the status of the attach action
- B. “monitor device action status” GET API request with the process ID to display the status of the attach action
- C. PUT call to initiate the attach action
- D. POST call to initiate the attach action
- E. GET call to initiate the attach action

Answer: BD

NEW QUESTION 52

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 57

```
{
  '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 58

```
"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 63

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 65

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
- B. POST https://api.meraki.com/api/v0/networks
- C. POST https://api.meraki.com/api/v0/organizations/<org_id>/networks/<net_id>
- D. POST https://api.meraki.com/api/v0/organizations/<org_id>/networks

Answer: D

NEW QUESTION 68

Which REST endpoint is used to create a Cisco Meraki network?

- A. POST /organizations/{organizationId}/networks
- B. PATCH /networks{networkId}
- C. PUT /organizations/{organizationId}/networks
- D. POST /networks{networkId}

Answer: A

NEW QUESTION 72

Which URI removes an administrator from a Meraki network using an API call?

- A. DELETE https://api.meraki.com/api/v0/organizations/<org_id>/admins/<admin_id>
- B. DELETE https://api.meraki.com/api/v0/admins/<admin_id>
- C. PUT https://api.meraki.com/api/v0/organizations/<org_id>/admins/?delete=<admin_id>
- D. DELETE https://api.meraki.com/api/v0/organizations/<org_id>/admins/<user>

Answer: A

NEW QUESTION 77


```
{
  "id": "L_123456",
  "organizationId": 1357924,
  "name": "Long Island Office",
  "timeZone": "America/Los_Angeles",
  "tags": "tag1 tag2",
  "type": "combined",
  "disableMyMerakiCom": false
}
```

Refer to the exhibit. Which two parameters are mandatory when the Cisco Meraki API is used to create a network? (Choose two.)

- A. timezone
- B. disableMyMerakiCom
- C. type
- D. tags
- E. organizationId

Answer: AE

NEW QUESTION 78

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