# 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**

```
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 5**

```
{
    "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 6**

```
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 7**
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 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", \
         "usersname":"snmp", \
         "passphase":"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

```
- name: Create VRFs as defined by local_vrfs
    ios_vrf:
        vrfs: "{{ local_vrfs }}"

    state: [        ]

    register: addvrf
```

Refer to the exhibit. An engineer creates an Ansible playbook to configure VRF information using a local_vrfs variable. The code must be completed so that it can be tested. Which string completes the code?

A. present
B. up
C. on
D. active

**Answer:** A

NEW QUESTION 10
DRAG DROP
Drag and drop the commands to the Ansible playbook that applies configuration to an interface on a Cisco IOS XE device. Not all options are used.
Select and Place:

**Answer Area**

```
┌──────────┐   ┌──────────┐
│ ioscmd   │   │ interface│
└──────────┘   └──────────┘
┌──────────┐   ┌──────────┐
│ parents  │   │ iosxe    │
└──────────┘   └──────────┘
┌──────────┐   ┌──────────┐
│ iosconfig│   │ios_config│
└──────────┘   └──────────┘
```

```
- name: configure interface settings
  [          ]:
      lines:
          -ip address 172.31.1.1 255.255.255.0
          -no shutdown
      [              ]: interface GigabitEthernet1/0
```

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

## Answer Area

| | |
|---|---|
| `ioscmd` | `interface` |
| `parents` | `iosxe` |
| `iosconfig` | `ios_config` |

```
- name: configure interface settings
  ios_config :
       lines:
           -ip address 172.31.1.1 255.255.255.0
           -no shutdown
       parents : interface GigabitEthernet1/0
```

**NEW QUESTION 10**
Which two statements are benefits of YANG-push telemetry data over traditional data collection methods? (Choose two.)

A. The subscription requests use less bandwidth than SNMP polls.
B. It uses UDP rather than TCP.
C. You can precisely define data subscriptions.
D. It scales better than SNMP.
E. It is supported on more devices than SNMP.

**Answer:** BC

**NEW QUESTION 14**
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 18**

```
from ncclient import manager
with manager.connect(
        host='10.0.0.1',
        port=12022,
        username='cisco',
        password='cisco',
        hostkey_verify=False,
        allow_agent=False,
        look_for_keys=False,
        device_params={'name': 'iosxe'},
    ) as m:
```

Refer to the exhibit. What is the correct ncclient method to use to collect the running configuration of a Cisco IOS XE device that uses NETCONF?

A. config=m.copy_config(source='running')
B. config=m.get(source='running')
C. config=m.collect_config(source='running')
D. config=m.get_config(source='running')

**Answer:** A

**NEW QUESTION 19**
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 23**
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 25**
When a Grafana dashboard is built to receive network events from Cisco DNA Center, which integration bundle is enabled to send notifications?

A. Basic ITSM CMDB Synchronization
B. DNA Center Rest API
C. Network Events for REST API Endpoint
D. Network Issue Monitor and Enrichment for ITSM

**Answer:** B

**NEW QUESTION 26**
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 29**
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 31**
In which direction does the Cisco DNA Center Intent API communicate?

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

**Answer:** C

**NEW QUESTION 36**
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 37**

```
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                         }
```

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 38**
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 42**

```
{
    'data':
        [
            {
                'availableVersions':[]
                'chasisNumber': '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 45**

"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 50**
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 54**
With the MV Sense API, which REST endpoint provides LUX level?

A. /merakimv/XXXX-XXXX-XXXX/light
B. /merakimv/XXXX-XXXX-XXXX/raw_detections
C. /merakimv/XXXX-XXXX-XXXX/0
D. /merakimv/XXXX-XXXX-XXXX/zones

**Answer:** A

**NEW QUESTION 56**
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 61**
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