

Cisco

Exam Questions 300-435

Automating and Programming Cisco Enterprise Solutions (ENAUTO)



NEW QUESTION 1

Which two actions do Python virtual environments allow users to perform? (Choose two.)

- A. Simplify the CI/CD pipeline when checking a project into a version control system, such as Git.
- B. Efficiently port code between different languages, such as JavaScript and Python.
- C. Run and simulate other operating systems within a development environment.
- D. Quickly create any Python environment for testing and debugging purposes.
- E. Quickly create an isolated Python environment with module dependencies.

Answer: DE

NEW QUESTION 2

```
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 3

A new project called "device_status" must be stored in a central Git repository called "device_status" with the first file named "device_status.py". The Git repository is created using the account python_programmer. Which set of commands inserts the project into Git?

- A.

```
git init
git add device_status.py
git commit -m "Initial Revision"
git remote add origin \
    https://git.cisco.com/python_programmer/device_status.git
git push -u origin master
```
- B.

```
git init
git remote add origin \
    https://git.cisco.com/python_programmer/device_status.git
git add device_status.py
git pull
```
- C.

```
git init
git remote add origin \
    https://git.cisco.com/python_programmer/device_status.git
git add device_status.py
git commit -m "Initial Revision"
git pull -u origin master
```

- A.

```
git init
git add device_status.py
git remote add python_programmer/device_status
git push
```

Answer: A

NEW QUESTION 4

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 5

```
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 6

```
{
  "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 7


```
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 8

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 9

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 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

```
<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

Answer: D

NEW QUESTION 13

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 18

Webhook 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

Answer: A

NEW QUESTION 23

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 25

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 27

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 28

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 31

```
{
  '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 33

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 38

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 40

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 42

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