

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

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 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

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 7

```
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 8

```
<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 9

```
from device_info import ios_xel
from ncclient import manager
import xmltodict

netconf_filter = open('filter-ietf-interfaces.xml').read()

if __name__ == '__main__':
    with manager.connect(host=ios_xel["address"],
                        port=ios_xel["port"],
                        username=ios_xel["username"],
                        password=ios_xel["password"],
                        hostkey_verify=False) as m:

        netconf_reply = m.get(netconf_filter)

        intf_details = xmltodict.parse(netconf_reply.xml)["rpc-reply"]["data"]
        intf_config = intf_details["interfaces"]["interface"]
        intf_info = intf_details["interfaces-state"]["interface"]

        print("")
        print("Interface Details:")
        print(" Name: {}".format(  ["name"]))
        print(" Description: {}".format(intf_config["description"]))
        print(" Type: {}".format(intf_config["type"]["#text"]))
        print(" MAC Address: {}".format(intf_info["phys-address"]))
        print(" Packet Input: {}".format(intf_info["statistics"]["in-unicast-pkts"]))
        print(" Packet Output: {}".format(intf_info["statistics"]["out-unicast-pkts"]))
```

```
<filter>
  <interfaces xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
    <interface>
      <name>GigabitEthernet2</name>
    </interface>
  </interfaces>
  <interfaces-state xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
    <interface>
      <name>GigabitEthernet2</name>
    </interface>
  </interfaces-state>
</filter>
```

Refer to the exhibits. An engineer creates a Python scripts using ncclient to display interface information. The code must be completed so that it can be tested. Which expression completes the highlighted section in the format call?

- A. intf_info
- B. intf_config
- C. intf_get
- D. intf_config[0]

Answer: A

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

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 16

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 21

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 23

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 27

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 31

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