300-435 Dumps

Automating and Programming Cisco Enterprise Solutions (ENAUTO)

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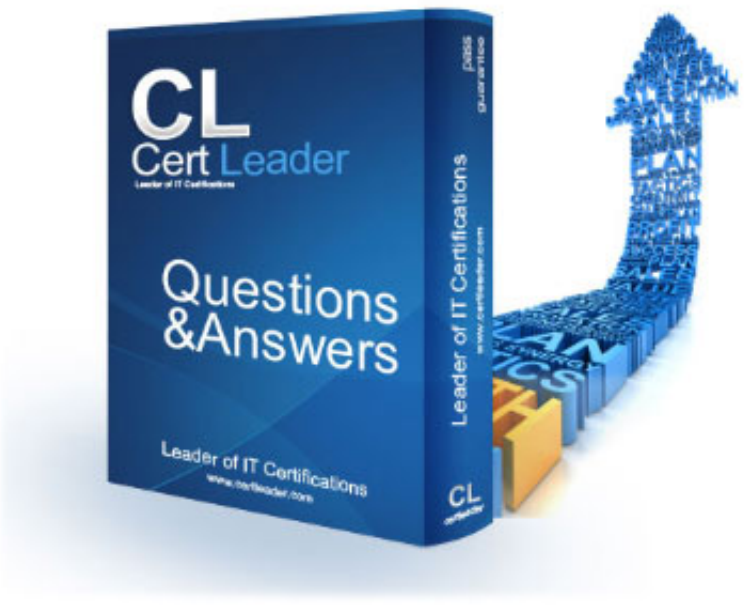


NEW QUESTION 1

```
return_val=
{
  "alertId": "6434517967656725l6",
  "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 2
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 3

```
{
   "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 4

```
<rcp 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>
</rcp>
```

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 5
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 6

```
- 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 7
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 8
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 9

```
from device_info import ios_xe1
from ncclient import manager
import xmltodict

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

if __name__ == '__main__':
    with manager.connect(host=ios_xe1["address"],
                         port=ios+xe1["port"],
                         username=ios+xe1["username"],
                         password=ios+xe1["password"],
                         hostkey_verify=False) as m:

    netconf_reply = m.get(netcong_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

```
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 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 12
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

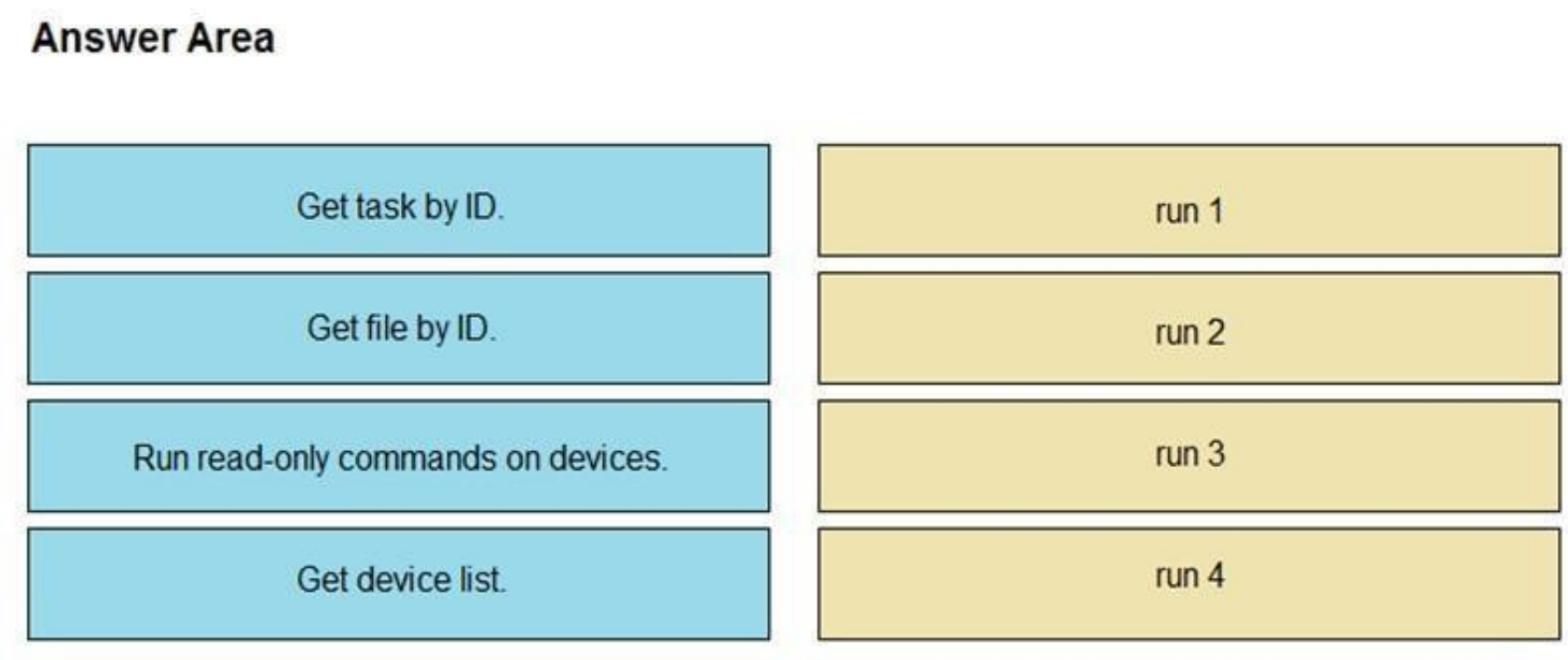
Answer: B

NEW QUESTION 16
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

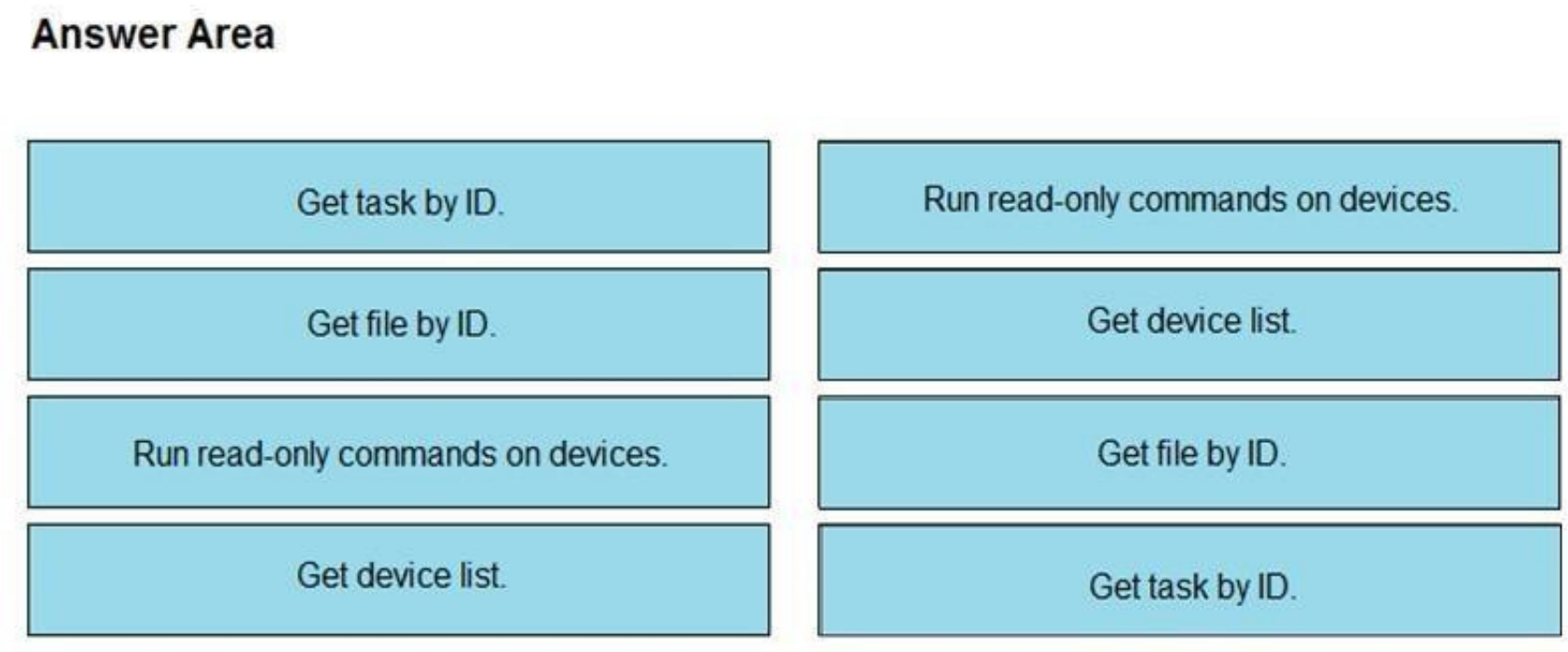
NEW QUESTION 20
DRAG DROP
A Cisco DNA Center script must be written to retrieve a list of interfaces on a switch. Drag and drop the API calls that are needed to return the list of interfaces using the Command Running APIs from the left into the correct sequence on the right.
Select and Place:



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 23
In which direction does the Cisco DNA Center Intent API communicate?

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

Answer: C

NEW QUESTION 24
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 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 30
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 32
Which action allows for creating a Python script to pull inventory for Cisco SD-WAN Viptela devices using the Viptela library in the code?

A. from urllib.request import Viptela
B. from viptela.devices import Viptela
C. from viptela.viptela import Viptela
D. from viptela.library import Viptela

Answer: B

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 34

“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 39
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 44
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 48
.....

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