- **Vendor:** Cisco
- **Exam Code:** 300-435
- **Exam Name:** Automating and Programming Cisco Enterprise Solutions (ENAUTO)
- **New Updated Questions from Braindump2go (Updated in April/2021)**

QUESTION 78
Which environment must be enabled to complete the Zero-Touch Provisioning process on a Cisco IOS XE device?

A. TCL
B. ZTP OPEN Service Container
C. EEM
D. Guest Shelf

Answer: D
Explanation:
https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3850/software/release/16-5/configuration_guide/prog/b_165_prog_3850_cg/zero_touch_provisioning.pdf

QUESTION 79
Which function is available in NETCONF and unavailable in RESTCONF?

A. configuration changes are automatically activated
B. uses the YANG data models to communicate
C. supports JSON and data encoding
D. validates the content of a candidate datastore

Answer: D
Explanation:
https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/169/b_169_programmability_cg/configuring_yang_datamodel.html

QUESTION 80
When accessing the /device-detail endpoint in Cisco DNA Canter, what is an acceptable SearchBy parameter value?

A. platform type
B. IP address
C. software version
D. MAC address

Answer: D

QUESTION 81
Which setting is used for the dampening period when configuring an on-charge publication for YANG- push versus OpenConfig?

A. null
B. -1
C. 0
D. 1000

Answer: C
Explanation:
https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/1612/b_1612_programmability_cg/model_driven_telemetry.html

QUESTION 82
Refer to the exhibit. A RESTCONF GET request is sent to a Cisco IOS XE device. A portion of the response is shown in the exhibit.

```
{
  "ietf-interfaces:interfaces": {
      "interface": [
        {
            "name": "GigabitEthernet1",
            "description": "MANAGEMENT INTERFACE",
            "type": "iana-if-type:ethernetCsmacd",
            "enabled": true,
            "ietf-ip:ipv4": {
              "address": [
                  {
                    "ip": "10.10.20.48",
                    "netmask": "255.255.255.0"
                  }
              ]
            },
            "ietf-ip:ipv6": {}
        }
      ]
  }
}
```

Which module name corresponds to the YANG model referenced in the request?

A. ietf-interfaces:ietf-ipv4
B. iana-if-type:ethernetCsmacd
C. ietf-interfaces:interfaces
D. ietf-interfaces

Answer: A

QUESTION 83
Which two factors influence the location accuracy of a device using Scanning APIs? (Choose two.)

A. AP placement
B. device manufacturer/OS
C. client device orientation
D. battery life of the device
E. amount of device antennas

Answer: AC
Explanation:
The geo-location coordinates (latitude, longitude) and X,Y location data accuracy can vary based on a number of factors and should be considered a best effort estimate. AP placement, environmental conditions, and client device orientation can influence X,Y estimation; experimentation can help improve the accuracy of results or determine a maximum acceptable uncertainty for data points.
Reference: https://developer.cisco.com/meraki/guides/location-services-solution-guide/

QUESTION 84
An engineer stored source code in a Git repository and is ready to develop a new feature. The production release is stored in the "master" branch.
Which command create the new feature in a separate branch called "feature" and check out the new version?

A.
```
git branch \
  https://git.cisco.com/python_programmer/device_status:feature
git checkout device_status:feature
```

B.
```
git remote add branch python_programmer/device_status:feature
git pull
```

C.
```
git branch feature
git checkout feature
```

D.
```
git remote add branch \
  https://git.cisco.com/python_programmer/device_status:feature
git push
```

Answer: C
Explanation:
https://www.atlassian.com/git/tutorials/comparing-workflows/feature-branch-workflow

QUESTION 85
Which two Cisco DNA Center features are needed to add legacy devices on the platform? (Choose two.)

A. multivendor SDK support
B. trusted device profile update
C. device package creation
D. device package download
E. device profile replication

Answer: BC

QUESTION 86
Which path do calls begin with to implement Cisco DNA center Intern APIs?

A. /intent
B. /dna/v1
C. /dna/api/intent/v1
D. /dna/system/api/v1/

Answer: D
Explanation:
https://developer.cisco.com/docs/dna-center/#!device-provisioning/endpoints-and-methods-used

QUESTION 87
A programmer is creating a Maraki webhook Python script to send a massage to Webex Teams. Which two elements should be configured to create this script? (Choose two)

A. gRPC credentials
B. Webex Teams access token
C. XML formatted request
D. user authentication count
E. webhook server secret

Answer: BD

QUESTION 88
What are two characteristics of REST API calls? (Choose two.)

A. unencrypted
B. non-cacheable
C. stateless
D. implemented over HTTP
E. parameters passed in the headers

Answer: CD
Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/mse/8-0/MSE_REST_API/Guide/Cisco_MSE_REST_API_Guide/REST_Introduction.pdf

QUESTION 89
Refer to the exhibit. A Python script is used to configure a Cisco IOS XE device. The script must be updated to print the IP addresses of all the loopback interfaces.
Which statement should be added before the loop?

```
headers = {'Content-Type': 'application/yang-data+json',
           'Acccept': 'application/yang-data+json'}

response =
requests.get("https://10.10.20.48:443/restconf/data/ietf-interfaces:interfaces",
           auth=("cisco", "cisco_1234!"),
           headers=headers,
           verify=False
           )

i=0
for interface in interfaces:
     if "Loopback" in interface ["name"]:
          print(interfaces[i]["ietf-ip:ipv4"]["address"][0]["ip"])
     i=i+1
```

A. interfaces = response.json()["ietf-interfaces:interfaces"]
B. interface = response.json()["ietf-interfaces:interfaces"]
C. interface = response.json()["ietf-interfaces:interfaces"]["interface"]
D. interfaces = response.json()["ietf-interfaces:interfaces"]["interface"]

Answer: D
Explanation:
https://blog.wimwauters.com/networkprogrammability/2020-04-04_restconf_python/

QUESTION 90
Refer to the exhibit. A RESTCONF GET request is sent to a Cisco IOS XE device. The base URL of the request and the response in XML format are shown in the exhibit.
What is the YANG data node that is referenced in the response?

```
https://ios-xe:9443/restconf/data/ietf-routing:routing/routing-
instance=default/

<routing-instance xmlns:"urn:ietf:params:xml:ns:yang:ietf-
routing" xmlns:rt="urn:ietf:params:xml:ns:yang:ietf-routing">
  <name>default</name>
  <description>default-vrf [read-only]</description>
  <routing-protocols>
      <routing-protocol>
        <type>static</type>
        <name>1</name>
        <static-routes>
            <ipv4 xmlns:"urn:ietf:params:xml:ns:yang:ietf-
ipv4-unicast-routing">
              <route>
                  <destination-
prefix>0.0.0.0/0</destination-prefix>
                  <next-hop>
                    <outgoing-
interface>GigabitEthernet1</outgoing-interface>
                  </next-hop>
              </route>
            </ipv4>
        </static-routes>
      </routing-protocol>
  </routing-protocols>
</routing-instance>
```

A. route is a leaf list
B. static-routes is a container
C. static-routes is a list
D. routing-instance is a container

Answer: A
Explanation:
https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/166/b_166_programmability_cg/restconf_prog_int.pdf

QUESTION 91
Refer to the exhibit. What is the expected output from the Python code?

```
# Simple Application to run a few commands on a Cisco Device
ipaddresses = ['192.168.0.1', "192.168.0.5", "10.10.10.10"]
username = "admin"
password = "cisco123"
commands_to_run=["show ver", "show ip interface brief"]
Debug = True


for device in ipaddresses:
      print ("Logging into "+device+", using "+username+"/"+password)

      # We want to execute commands on our device only if Debug=True

      for commands in commands_to_run:
            print ("    Executing "+commands+" on device: "+device)
```

A.
```
Logging into 192.168.0.1, using admin/cisco123
Logging into 192.168.0.5, using admin/cisco123
Logging into 10.10.10.10, using admin/cisco123
      Executing show ver on device: 192.168.0.1
      Executing show ip interface brief on device: 192.168.0.1
      Executing show ver on device: 192.168.0.5
      Executing show ip interface brief on device: 192.168.0.5
      Executing show ver on device: 10.10.10.10
      Executing show ip interface brief on device: 10.10.10.10
```

B.
```
Logging into 192.168.0.1, using admin/cisco123
Logging into 192.168.0.5, using admin/cisco123
Logging into 10.10.10.10, using admin/cisco123
```

C.

```
Simple Application to run a few commands on a Cisco Device
Loggig into 192.168.0.1, using admin/cisco123
We want to execute commands on our device only if Debug=True
      Executing show ver on device: 192.168.0.1
      Executing show ip interface brief on device: 192.168.0.1
Logging into 192.168.0.5, using admin/cisco123
We want to execute commands on our device only if Debug=True
      Executing show ver on device: 192.168.0.5
      Executing show ip interface brief on device: 192.168.0.5
Logging into 10.10.10.10, using admin/cisco123
We want to execute commands on our device only if Debug=True
      Executing show ver on device: 10.10.10.10
      Executing show ip interface brief on device: 10.10.10.10
```

D.

```
Logging into 192.168.0.1, using admin/cisco123
      Executing show ver on device: 192.168.0.1
      Executing show ip interface brief on device: 192.168.0.1
Logging into 192.168.0.5, using admin/cisco123
      Executing show ver on device: 192.168.0.5
      Executing show ip interface brief on device: 192.168.0.5
Logging into 10.10.10.10, using admin/cisco123
      Executing show ver on device: 10.10.10.10
      Executing show ip interface brief on device: 10.10.10.10
```

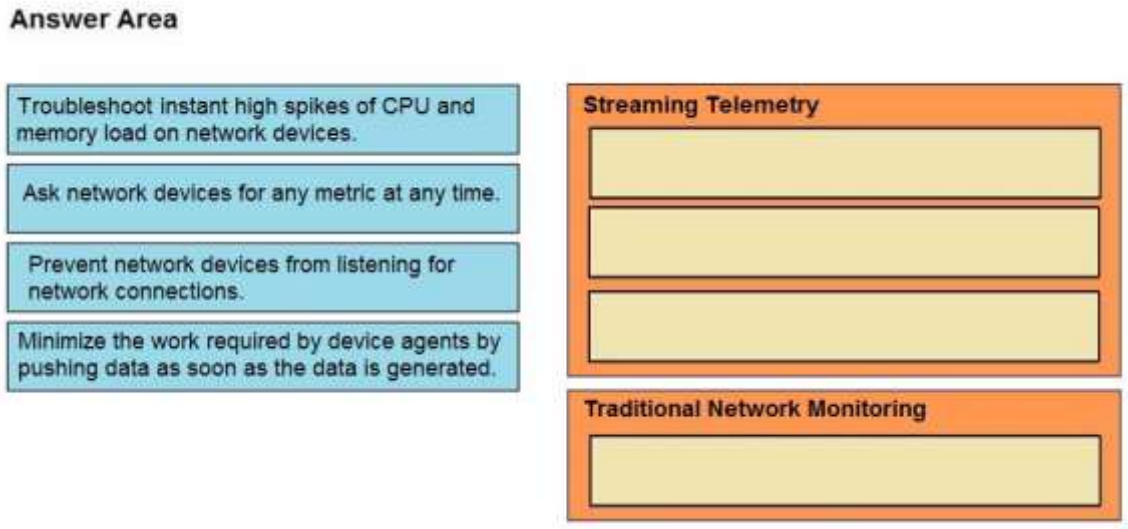
Answer: D

QUESTION 92
What is a capability of MV Sense MQTT API?

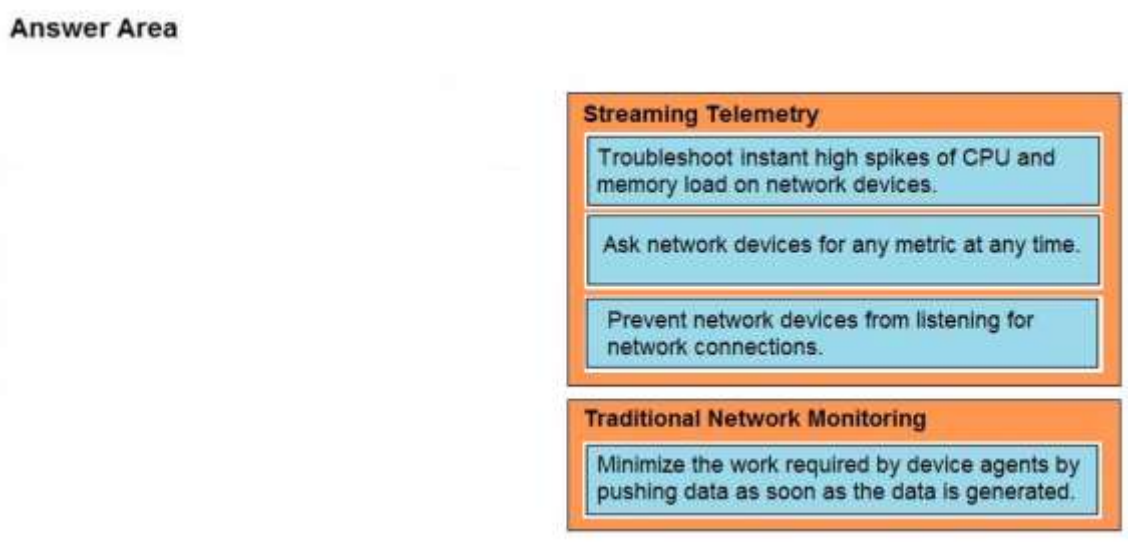
A. request and subscribe to historical, current, or real-time data
B. automate the configuration of networking devices
C. monitor the network and auto adjust for optimal performance
D. create email alerts for user that violate the security configuration

Answer: A
Explanation:
https://developer.cisco.com/meraki/mv-sense/#!mv-sense-overview/introduction

QUESTION 93
Drag and Drop Question
Drag and drop the characteristic from the left onto the monitoring type described on the right.



Answer:



Explanation:
https://www.cisco.com/c/en/us/td/docs/iosxr/ncs5500/telemetry/70x/b-telemetry-cg-ncs5500-70x/b-telemetry-cg-ncs5500-70x_chapter_010.html

QUESTION 94
Drag and Drop Question
Drag and drop the steps from the left into the order on the right to create an end-to-end flow for Meraki Splash Screen using EXCAP.

Answer Area

The AAA service authenticates the user and passes the appropriate web service	step 1
The client device is associated and redirected to the splash server	step 2
The Meraki cloud services invoke the AAA service to validate user credentials	step 3
Client sign-on is required	step 4

Answer:

Answer Area

	The client device is associated and redirected to the splash server
	The Meraki cloud services invoke the AAA service to validate user credentials
	Client sign-on is required
	The AAA service authenticates the user and passes the appropriate web service

QUESTION 95
Drag and Drop Question
Drag and drop the code from the bottom onto the box where the code is missing in the Ansible playbook to apply the configuration to an interface on a Cisco IOS XE device. Not all options are used.

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

ioscnd	parents
losconfig	interface
iosxe	ios_config

Answer:

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

ioscnd	parents
losconfig	
iosxe	

QUESTION 96
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.
Answer: Zero-touch provisioning
Explanation:
https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/169/b_169_programmability_cg/zero_touch_provisioning.html

QUESTION 97
Drag and Drop Question
Refer to the exhibit. A GET request is issued to the Cisco DNA Center REST API. Drag and drop the GET request URL subpaths from the left onto the objectives on the right. Not all options are used.

```
GET: https://dnacsrv/api/v1/network-device
{
  "response": [
      {
        "type": "Cisco Catalyst 9300 switch",
        "errorCode": null,
        "family": "Switches and Hubs",
        "location": DC1,
        "role": "ACCESS",
        "macAddress: "a1:2b:30:40:41:50",
        "hostname": "cat_9k_1",
        "serialNumber": "FCW2136L0AK",
        "softwareVersion": "16.6.1",
        "locationName": null,
        "upTime": "13 days, 18:30:33.81",
        "softwareType": "IOS-XE",
        "collectionStatus": "Managed",
        "managementIpAddress": "10.10.22.66",
        "platformId": "C9300-24UX",
        "reachabilityStatus": "Reachable",
        "series": "Cisco Catalyst 9300 Series Switches",
        "snmpContact": "",
        "snmpLocation": "",
```

Answer Area

/api/v1/network-device?softwareType=IOS-XE&softwareVersion=16.4.2	List devices that are configured by using SNMP to be in the DC2 location
/api/v1/network-device?location=DC2	List device types
/api/v1/network-device?(softwareType=IOS-XE) AND (softwareVersion=16.4.2)	List the device that has an IP address of 10.222.10.35
/api/v1/network-device?family=Switches and Hubs	Display Cisco IOS XE devices that have IOS version 16.4.2
/api/v1/network-device?ipAddress=10.222.10.35	
/api/v1/network-device?snmpLocation=DC2	
/api/v1/network-device?managementIp Address=10.222.10.35	
/api/v1/network-device?family=cat_9k_1	

Answer:

Answer Area

/api/v1/network-device?softwareType=IOS-XE&softwareVersion=16.4.2	/api/v1/network-device?location=DC2
	/api/v1/network-device?managementIp Address=10.222.10.35
	/api/v1/network-device?ipAddress=10.222.10.35
/api/v1/network-device?family=Switches and Hubs	/api/v1/network-device?(softwareType=IOS-XE) AND (softwareVersion=16.4.2)
/api/v1/network-device?snmpLocation=DC2	
/api/v1/network-device?family=cat_9k_1	

Explanation:
https://meraki.cisco.com/lib/pdf/meraki_whitepaper_captive_portal.pdf