300-435^{Q&As}

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Automating and Programming Cisco Enterprise Solutions (ENAUTO)

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QUESTION 1

DRAG DROP

Drag and drop the code from the bottom onto the box where the code is missing to construct a Python script to automate the process of updating the site-to-site VPN settings of the network. Not all options are used.

Select and Place:

```
import requests

url = "https://api.meraki.com/api/v0/networks/{{networkId}}/[          ]"

payload = {
    "mode": "spoke",
    "hubs": [
        {"hubId": "N_4901849", "useDefaultRoute": True},
        {"hubId": "N_1092489", "useDefaultRoute": False}
    ],
    "subnets": [
        {"localSubnet": "192.168.1.0/24", "useVpn": True},
        {"localSubnet": "192.168.128.0/24", [          ] }
    ]
}
headers = {
    'Accept': '*/*',
    'Content-Type': 'application/json'
}

response = requests.request("PUT", url,
                            headers=headers,
                            [          ] )
print(response.text.encode('utf8'))
```

"useVpn": True	networksVpn
data=payload	siteToSiteVpn

Correct Answer:

```
import requests

url = "https://api.meraki.com/api/v0/networks/{{networkId}}/ siteToSiteVpn "

payload = {
    "mode": "spoke",
    "hubs": [
        {"hubId": "N_4901849", "useDefaultRoute": True},
        {"hubId": "N_1092489", "useDefaultRoute": False}
    ],
    "subnets": [
        {"localSubnet": "192.168.1.0/24", "useVpn": True},
        {"localSubnet": "192.168.128.0/24", "useVpn": True }
    ]
}
headers = {
    'Accept': '*/*',
    'Content-Type': 'application/json'
}

response = requests.request("PUT", url,
                            headers=headers,
                            data=payload )
print(response.text.encode('utf8'))
```

networksVpn

Reference: https://developer.cisco.com/meraki/api-v1/#!get-network-appliance-vpn-site-to-site-vpn

QUESTION 2

Which two types of solution are built with the Meraki Location Scanning API? (Choose two.)

A. networking automation

B. mapping

C. guest Wi-Fi

D. Sense

E. wayfinder

Correct Answer: BE

Reference: https://developer.cisco.com/meraki/build/wayfinding-mapwize/

QUESTION 3

During a network outage, a network administrator used the Cisco SD-WAN vManage Troubleshooting Dashboard APIs to troubleshoot the cause of the issue. Which detail is captured during troubleshooting with these APIs?

A. VPN health

B. public cloud resources

C. connections summary

D. OMP connection health

Correct Answer: C

Reference: https://sdwan-docs.cisco.com/Product_Documentation/Command_Reference/Command_Reference/vManage_REST_APIs/Troubleshooting_APIs/Dashboard

QUESTION 4

```
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\\']

Correct Answer: B

The 0s in option AC and D are not logical in this scenario. The status tag already takes care of the error message.

QUESTION 5

Refer to the exhibit.

```
module interfaces {

    typedef dotted-quad {
        type string {
            pattern
                '(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\.){3}'
                + '([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])';
        }
        description
            "Four octets written as decimal numbers and
             separated with the '.' (full stop) character.";
    }

    container interfaces {
        list interface {
            key "name";
            leaf name {
                type string;
                mandatory "true";
                description
                    "Interface name.";
            }
            leaf address {
                type dotted-quad;
                mandatory "true";
                description
                    "Interface IP address.";
            }
            leaf subnet-mask {
                type dotted-quad;
                mandatory "true";
                description
                    "Interface subnet mask.";
            }
            leaf enabled {
                type boolean;
                default "false";
                description
                    "Enable or disable the interface.";
            }
        }
    }
}
```

What is a valid XML instances of this YANG module?

```
<data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <interfaces xmlns="http://example.com/interfaces">
    <interface>
      <name>GigabitEthernet 0/0/0</name>
      <address>10.10.10.1</address>
      <subnet-mask>255.255.255.0</subnet-mask>
    </interface>
    <interface>
      <name>GigabitEthernet 0/0/1</name>
      <address>192.168.1.1</address>
      <subnet-mask>255.255.255.0</subnet-mask>
    </interface>
  </interfaces></data>
```

```
<data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <interfaces xmlns="http://example.com/interfaces">
    <interface>
      <name>GigabitEthernet 0/0/0</name>
      <address>10.10.10.1</address>
      <enabled>true</enabled>
    </interface>
    <interface>
      <name>GigabitEthernet 0/0/1</name>
      <address>192.168.1.1</address>
      <subnet-mask>255.255.255.0</subnet-mask>
      <enabled>true</enabled>
    </interface></interfaces></data>
```

```
<data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <interfaces xmlns="http://example.com/interfaces">
    <interface>
      <name>GigabitEthernet 0/0/0</name>
      <address> 2001:db8::2:1</address>
      <subnet-mask>255.255.255.0</subnet-mask>
    </interface>
    <interface>
      <name>GigabitEthernet 0/0/1</name>
      <address> 2001:db8::2:1</address>
      <subnet-mask>255.255.255.0</subnet-mask>
    </interface>
  </interfaces></data>
```

```
<data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <interfaces xmlns="http://example.com/interfaces">
    <interface>
      <address>10.10.10.1</address>
      <subnet-mask>255.255.255.0</subnet-mask>
    </interface>
    <interface>
      <address>192.168.1.1</address>
      <subnet-mask>255.255.255.0</subnet-mask>
    </interface>
  </interfaces>
</data>
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A