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Cisco 300-435

Version Demo

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Topic Break Down

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Topic 1, Network Programmability Foundation	12
Topic 2, Automate APIs and Protocols	16
Topic 3, Network Device Programmability	25
Topic 4, Cisco DNA Center	20
Topic 5, Cisco SD-WAN	15
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Total	105

QUESTION NO: 1

```
{
  'data':
    [
      {
        'count':4,
        'detailsURL': '',
        'name': 'vEdge Hardware Health',
        'status': 'error',
        'statusList':
          [
            {
              'count':4
              'detailsURL': '/dataservice/device/hardwarehealth/detail?state=normal',
              'message': '4 (normal=4, warning=0,error=0)',
              'name': 'normal',
              'status': 'up'
            }
```

Refer to the exhibit. Cisco SD-WAN deployment must be fixed using vManage APIs. A call to vEdge Hardware Health API returns the data in the exhibit (only a portion is shown). If the JSON shown in the exhibit is converted to a Python dictionary named “d”, how is the “status” property referenced?

A. d[‘data’][‘statusList’][‘status’]

B. nbvnbvvnbhg

C. d{‘data’}[0]{‘statusList’}[0]{‘status’}

D. d[data][0][statusList][0][status]

ANSWER: C

QUESTION NO: 2

Which path do calls begin with to implement Cisco DNA Center Intent APIs?

A. /intent

B. /dna/v1

C. /dna/api/intent/v1/

D. /dna/system/api/v1/

ANSWER: D

Explanation:

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

QUESTION NO: 3

A programmer is creating a Meraki webhook Python script to send a message 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: B D

QUESTION NO: 4 - (DRAG DROP)

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_1892489", "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

ANSWER:

```
import requests

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

payload = {
    "mode": "spoke",
    "hubs": [
        {"hubId": "N_4901849", "useDefaultRoute": True},
        {"hubId": "N_1892489", "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'))
```


Explanation:

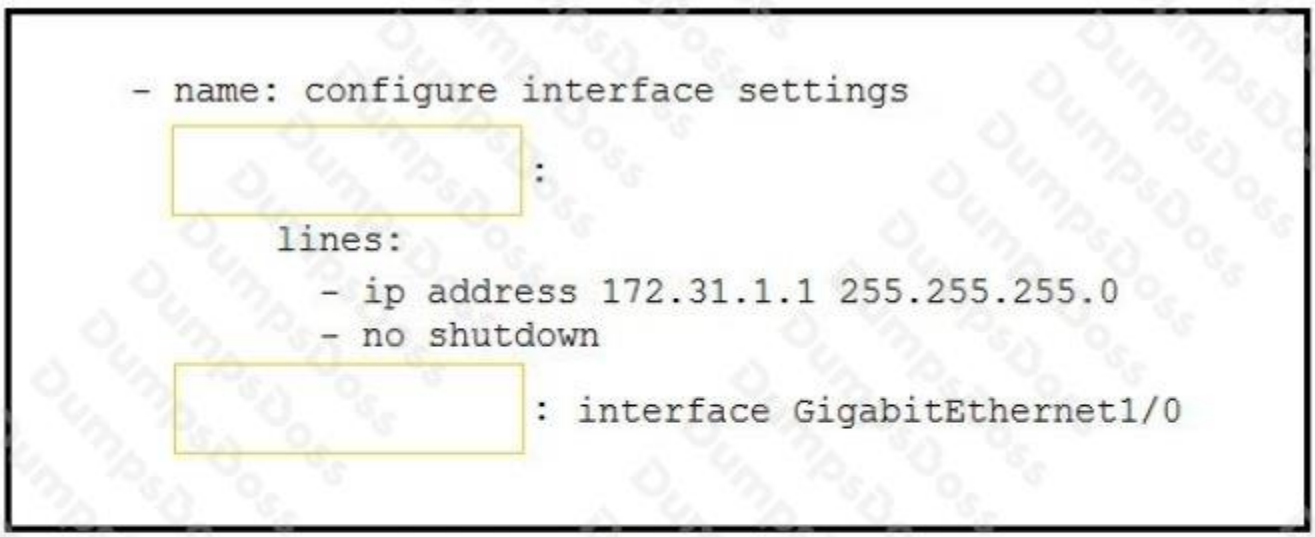
Reference: https://developer.cisco.com/meraki/api-v1/#!get-network-appliance-vpn-site-to-site-vpn

QUESTION NO: 5 - (DRAG DROP)

DRAG DROP

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.

Select and Place:

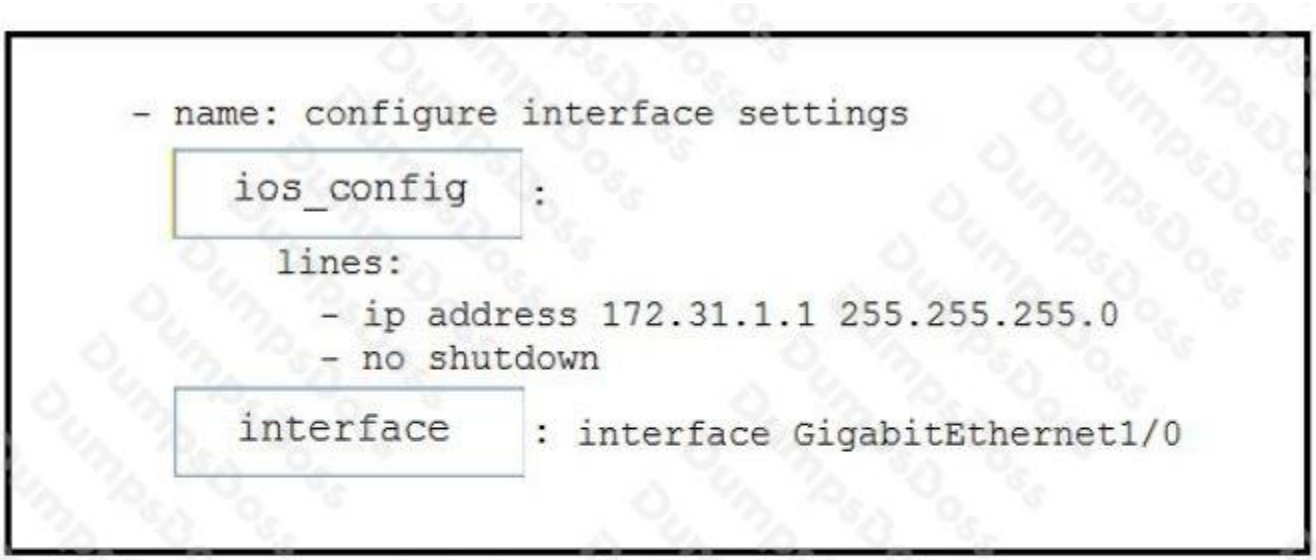


ioscnd | parents

losconfig | interface

iosxe | ios_config

ANSWER:



ioscnd | parents
losconfig | interface
iosxe | ios_config

Explanation:

QUESTION NO: 6

Webhooks 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

Explanation:

Reference: https://developer.cisco.com/docs/dna-center/#!using-id-values-in-rest-requests

QUESTION NO: 7

What are two characteristics of RPC API calls? (Choose two.)

A. They can be used only on network devices.

B. They use only UDP for communications.

C. Parameters can be passed to the calls.

D. They must use SSL/TLS.

E. They call a single function or service.

ANSWER: A C

Explanation:

Reference: https://pubs.opengroup.org/onlinepubs/9629399/chap6.htm

QUESTION NO: 8

The Cisco DNA Center Sites API must be used to add a device to a site, but only the site name is available. Which API call must be used to retrieve the site identifier so that the device can be properly added to the network?

A. /dna/intent/api/site/siteId

B. /dna/intent/api/site

C. /dna/intent/api/v1/site

D. /dna/intent/api/v1/site/siteName

ANSWER: C

Explanation:

Reference: https://community.cisco.com/t5/networking-blogs/welcome-to-the-dna-center-api-support-community/ba-p/3663632

QUESTION NO: 9

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: C D

Explanation:

Reference: 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 NO: 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: C E

Explanation:

Reference: https://github.com/CiscoDevNet/DNAC-JAVA-SDK/tree/master/DnacAppApi