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QUESTION 1

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'])
```
- B

```
@app.route('/mynet/webhook', methods=['GET'])
@app.accept_body(WebhookSchema)
def receive_webhook(**kwargs):
    send_sms_alert(kwargs['alertType'])
```
- C

```
@app.route('/mynet/webhook', methods=['PATCH'])
@app.accept_body(WebhookSchema)
def receive_webhook(**kwargs):
    send_sms_alert(kwargs['alertType'])
```
- D

```
@app.route('/mynet/webhook', methods=['POST'])
@app.accept_body(WebhookSchema)
def receive_webhook(**kwargs):
    send_sms_alert(kwargs['alertType'])
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

Reference: <https://github.com/CiscoDevNet/dnav3-code/blob/master/intro-meraki/meraki-07-webhooks/webhookreceiver.py>

QUESTION 2

Refer to the exhibit. NTP server 10.1.1.20 must be configured on the target Cisco IOS XE device without using authentication and logging. Which state should be added on a new line at the end of the Ansible task?

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The ENAUTO exam is intended for individuals who have experience in working with Cisco technologies and want to expand their knowledge in the areas of automation and programming. 300-435 exam covers a wide range of topics, including network programmability foundations, APIs, controllers, and automation tools. Passing 300-435 exam demonstrates an individual's ability to automate and program Cisco enterprise solutions, which is a highly sought-after skill in today's IT industry. With the increasing demand for automation and programmability in network infrastructure, the Cisco 300-435 exam is a valuable certification for IT professionals looking to advance their careers.

Suitable Study Guides for Cisco 300-435 Exam

So far, Cisco is yet to release an official book for their 300-435 exam. Still, there are splendid guides that address the concepts relating to it. One of them is the **Programming and Automating Cisco Networks** guide which explores programmability in addition to automation within the data center, WAN, and campus. The authors are **Jason Gooley and Ryan Tischer**. These experts have ensured the content pays attention to subject matters that include WAN technologies, campus, tools for automation as well as operation, the management of advanced WANs using ConfD, NetConfig/Yang, and more. One also comes by knowledge on making use of advanced tools for Cisco with industry-recognized programming languages like JSON, Python, and Linux.

The **Network Programmability and Automation** book is another one that points to the subject matter that is associated with the Cisco 300-435 test. This guide authored by three network experts including **Jason Edelman, Matt Oswalt, and Scott S. Lowe** gives a general coverage of subjects that systems administrators as well as network engineers will find helpful. What is more, the guide is practical and demonstrates to engineers how they can use varied tools and technologies that include Python, Linux, and JSON in automating their systems. Plus, it provides ways in which specialists can simplify tasks, including configuration, maintenance, operation of networking equipment, services, tools, and connectivity. Also, to cover is the matter about what role the APIs play in the automation of networks.

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The candidates for the Cisco 300-435 Exam are looking to validate their competence and skills in the implementation of enterprise automation solutions. This test will measure their expertise in a variety of subject areas, including Python programming, controllers, programming concepts, automation tools, and APIs. This is a concentration exam that has to be taken along with the core test (Cisco 350-401) to obtain the following certifications:

- Cisco Certified DevNet Professional
- CCNP Enterprise
- Cisco Certified DevNet Specialist – Enterprise Automation and Programmability

Cisco Automating and Programming Cisco Enterprise Solutions Sample Questions (Q224-Q229):

NEW QUESTION # 224

What is a capability of Cisco Catalyst SD-WAN vManage Certificate Management APIs?

- A. Sign a previously generated certificate.
- B. Roll back a certificate by using a serial number.
- **C. Import a signed server certificate.**
- D. Distribute certificates to Cisco vEdge devices.

Answer: C

Explanation:

Cisco Catalyst SD-WAN vManage Certificate Management APIs can import a signed server certificate, enabling secure device communication within the SD-WAN fabric.

NEW QUESTION # 225

Which statement is true for Cisco IOS XE Software?

- A. RESTCONF supports XML and NETCONF supports JSON and XML.
- B. RESTCONF and NETCONF supports JSON and XML.
- C. RESTCONF supports JSON and XML and NETCONF supports XML.
- D. RESTCONF supports XML and NETCONF supports JSON.

Answer: C

Explanation:

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

NEW QUESTION # 226

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?



```

1  'data':
2  [
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     }
18     ]
19     }
20     ]
21     ]

```

- A. d['data']['statusList']['status']
- B. d[data][0][statusList][0][status]
- C. d{'data'}[0]['statusList'][0]['status']
- D. nbvnbvnbhg

Answer: C

NEW QUESTION # 227

Drag and Drop Question

An engineer must apply an initial CLI configuration to a router connected to a terminal server for Day-0 setup. The engineer must automate login and configuration over Telnet to the console port using pexpect and save the changes. Drag and drop the code snippets from the bottom onto the boxes in the code to construct the artifact. Not all options are used.

```

import pexpect

child = pexpect.spawn("telnet 192.0.2.5 2001", timeout=20)
child.expect("Username:")
child.sendline("netops")
child.expect("Password:")
child.sendline("Cisco12345")
child.expect(">")
child.sendline("enable")
child.expect("Password:")
child.sendline("CiscoEnable")
child.expect("#")
child.sendline("configure terminal")
child.expect("(config)#")
child.sendline("hostname BR1-EDGE")
child.sendline("interface GigabitEthernet1")
child.sendline("ip address dhcp")
child.sendline("no shutdown")
child.sendline("end")
child.sendline("write memory")
child.expect("#")
child.close()

```

spawnpty spawn wait sendline
readline expect timeout

Answer:

Explanation:

```

import pexpect

child = pexpect.spawn("telnet 192.0.2.5 2001", timeout=20)
child.expect("Username:")
child.sendline("netops")
child.expect("Password:")
child.sendline("Cisco12345")
child.expect(">")
child.sendline("enable")
child.expect("Password:")
child.sendline("CiscoEnable")
child.expect("#")
child.sendline("configure terminal")
child.expect("(config)#")
child.sendline("hostname BR1-EDGE")
child.sendline("interface GigabitEthernet1")
child.sendline("ip address dhcp")
child.sendline("no shutdown")
child.sendline("end")
child.sendline("write memory")
child.expect("#")
child.close()

```

spawnpty wait
readline

Explanation:

In pexpect, the Telnet session is started with spawn, and the session timeout is set with the timeout argument. The script then waits for the Username prompt with expect and sends the username with sendline. This enables the automated console login flow before applying the initial router configuration and saving it.

NEW QUESTION # 228

Which code snippet retrieves the IP address of the interface on a Cisco IOS XE router?

```
from netmiko import ConnectHandler

router = {
    'device_type': 'cisco_ios',
    'host': '10.0.10.1',
    'username': 'johndoe',
    'password': 'Cisc0123!'
}

net_connect = ConnectHandler(**router)
output = net_connect.command('show ip int brief')
print(output)
```

- A.
- B.

```
from netmiko import ConnectHandler

router = {
    'device_type': 'ios_xe',
    'host': '10.0.10.1',
    'username': 'johndoe',
    'password': 'Cisc0123!'
}

net_connect = ConnectHandler(**router)
output = net_connect.show_command('show ip int brief')
print(output)
```

```
from netmiko import ConnectHandler

router = {
    'device_type': 'cisco_ios_xe',
    'host': '10.0.10.1',
    'username': 'johndoe',
    'password': 'Cisc0123!'
}

net_connect = ConnectHandler(**router)
output = net_connect.command('show ip int brief')
print(output)
```

- C.
- D.

```

from netmiko import ConnectHandler

router = {
    'device_type': 'cisco_ios',
    'host': '10.0.10.1',
    'username': 'johndoe',
    'password': 'Cisc0123!'
}

net_connect = ConnectHandler(**router)
output = net_connect.send_command('show ip int brief')
print(output)

```

Answer: D

Explanation:

This code uses device_type: 'cisco_ios' and the proper send_command() method. Such combination is valid for IOS and IOS XE devices and will correctly retrieve the interface IP information. All other code snippets incorrectly use .command() or .show_command(), which are not valid Netmiko methods.

NEW QUESTION # 229

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