300-435 Q&As

Automating and Programming Cisco Enterprise Solutions (ENAUTO)

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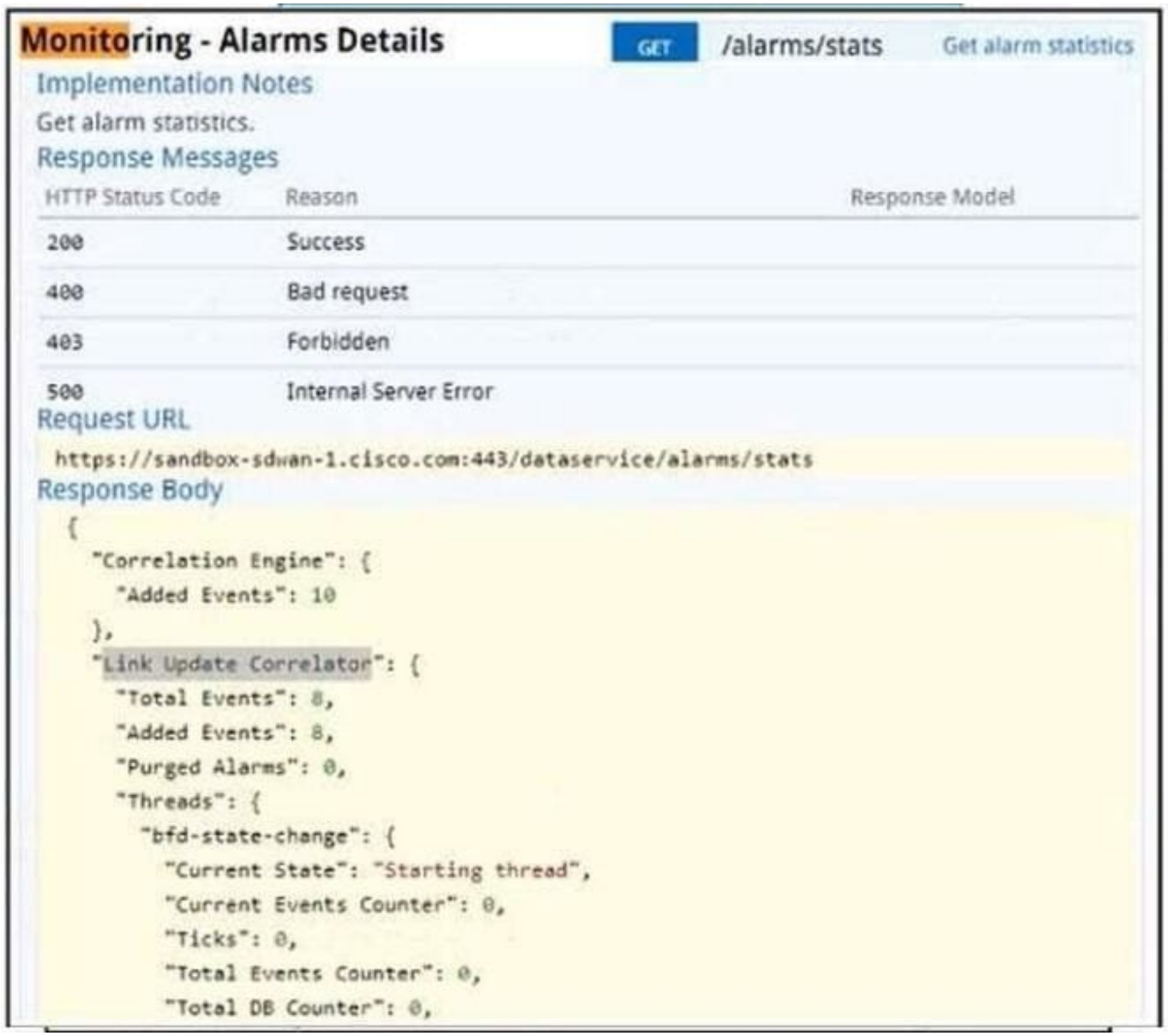
QUESTION 1

Refer to the exhibit.



```
import requests, urllib3
import json

urllib3.disable_warnings()

url = "https://sandbox-sdwan-1.cisco.com"
headers = {"Content-Type": "application/x-www-form-urlencoded"}
credentials = {"j_username": "devnetuser", "j_password": "RG!_Yw919_83"}
cookie_response = requests.post(url + "/j_security_check", headers=headers,
data=credentials, verify=False)
```

An API request must display an alert message if change in OSPF neighbors is detected. Which code snippet must be added to complete the requests?

```
alarm stats = requests.post(url +
                  "/dataservice/alarms/stats",
                  cookies=cookie response.cookies,
                  verify=False)
if alarm stats.status code == 200:
   if json.loads(alarm stats.text)
   ['Correlation Engine']
   ['ospf-neighbor-state-change']
   ['Current State'] != 0:
        print('OSPF neighboor change detected!')
```

```
alarm stats = requests.post(url +
                  "/dataservice/alarms/stats",
                  cookies=cookie response.cookies,
                  verify=False)
if alarm stats.status code == 200:
   if json.loads(alarm stats.text)['Correlation
   Engine']['ospf-neighbor-state-change']
   ['Total Events Counter']  != 0:
        print('OSPF neighboor change detected!')
```

```
alarm stats = requests.post(url +
                  "/dataservice/alarms/stats",
                  cookies=cookie response.cookies,
                  verify=False)
if alarm stats.status code == 200:
   if json.loads(alarm stats.text)
   ['Correlation Engine']
   ['ospf-neighbor-state-change']
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                  "/dataservice/alarms/stats",
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   if json.loads(alarm stats.text)['Correlation
   Engine']['ospf-neighbor-state-change']
   ['Total Events Counter']  != 0:
        print('OSPF neighboor change detected!')
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 2

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

A. deletes existing installed certificates

B. distributes the root certificate to client devices

C. generates SSL certificates

D. creates certificate signing requests

Correct Answer: D

QUESTION 3

Which two Netmiko methods are used to configure a device? (Choose two.)

A. send_config()

B. send_control_from_file()

C. send_config_set()

D. send_command()

E. send_config_from_file()

Correct Answer: CE

Reference: https://pynet.twb-tech.com/blog/automation/netmiko.html

QUESTION 4

```
# 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)
```

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

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
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 5

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

Correct Answer: B

The viptela.devices import viptela can be used to put inventory from Cisco SD WAN viptela devices.