

300-435 Valid Study Questions Exam 100% Pass | Cisco 300-435: Automating and Programming Cisco Enterprise Solutions



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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'])
```

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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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Programmability of Network Devices

In the framework of this topic that makes up 20% of the whole content, the test takers are required to demonstrate their skills in the following operations:

- Configuring the subscriptions for telemetry that is model-driven on the IOS XE devices;
- Comparing the publication and subscription telemetry models, including on-change and periodic/cadence;
- Explaining the Day-Zero provisioning techniques, such as ZTP, iPXE, and PnP.
- Utilizing Ansible for the configuration of devices for IOS XEs;
- Implementing device monitoring and management with NetMiko;

Cisco 300-435 exam tests a candidate's proficiency in programming languages such as Python, JavaScript, and JSON, and their ability to use software development tools such as Git and Docker. 300-435 Exam also evaluates a candidate's understanding of Cisco network programmability foundations, APIs, and automation protocols such as REST and NETCONF. 300-435 exam is suitable for network engineers, software developers, and other IT professionals who want to enhance their skills in network automation and programming. Passing the Cisco 300-435 exam demonstrates a candidate's ability to automate and program complex enterprise solutions using Cisco technologies, making them a valuable asset to any organization.

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Cisco Automating and Programming Cisco Enterprise Solutions Sample Questions (Q143-Q148):

NEW QUESTION # 143

Refer to the exhibit. The Python script fails. Which change enables the script to complete successfully?

```
#!/usr/bin/env python
import sys
def set_interfaces():
    # Create a local variable
    interfaces = ["GigabitEthernet1",
                  "GigabitEthernet2",
                  "GigabitEthernet3",
                  ]
    return (interfaces)

def main():
    set_interfaces()
    for interface in interfaces:
        print(interface)

if __name__ == '__main__':
    sys.exit(main())
```

- A. The interfaces object must be defined in the main function.
- B. An iterable object type must be used for the interfaces object.
- C. The interface object must be defined in the set_interfaces function.
- D. Store set_interfaces() return value in interfaces var.

Answer: D

Explanation:

The script calls set_interfaces() but does not store its return value. Therefore, the variable interfaces used in the for loop is undefined, causing a NameError. Assigning the return value to interfaces like this:

```
interfaces = set_interfaces()
inside the main() function will resolve the error and allow the script to execute successfully.
```

NEW QUESTION # 144

Refer to the exhibit. A network engineer must use the Cisco DNA Centre Intent API to create a new event subscription for

webhook notifications by using the HTTP POST method to the event/subscription API endpoint. Which code snippet must be added to the box in the code to ensure that the body of this API call is valid?

```
[  
  {  
    "name": "Cisco-DNA-Devnet",  
    "description": " Cisco-DNA-Devnet API subscription",  
    [REDACTED]  
    {  
      "subscriptionDetails": {  
        "name": "Endpoint 1",  
        "url": "https://publicserver.cisco",  
        "method": "POST",  
        "connectorType": "REST"  
      }  
    }  
  },  
  {  
    "filter": {  
      "eventIds": [  
        "NETWORK-NON-FABRIC_WIRED-1-251"  
      ]  
    }  
  }  
]
```

Response Status 200 and Response Body {"statusUri": "/dna/intent/api/v1/event/api-status/8d6dff7b-3313-78ad-9gfd-9453d43fd5c6"}



- A. "subscriptionEndpoints": [
- B. "subscribeNotifications": [
- C. "subscribeDnac": [
- D. "subscriptionWbhook": [

Answer: A

Explanation:

In the Cisco DNA Center Intent API, when creating an event subscription via a POST to /dna/intent/api/v1/event/subscription, the correct key to specify the list of endpoints that should receive event notifications is "subscriptionEndpoints". This field must contain endpoint definitions including URL, method, and connector type.

NEW QUESTION # 145

A new project called "device_status" must be stored in a central Git repository called "device_status" with the first file named "device_status.py". The Git repository is created using the account python_programmer. Which set of commands inserts the project into Git?

```

A. git init
git add device_status.py
git commit -m "Initial Revision"
git remote add origin \
    https://git.cisco.com/python_programmer/device_status.git
git push -u origin master

B. git init
git remote add origin \
    https://git.cisco.com/python_programmer/device_status.git
git add device_status.py
git pull

C. git init
git remote add origin \
    https://git.cisco.com/python_programmer/device_status.git
git add device_status.py
git commit -m "Initial Revision"
git pull -u origin master

D. git init
git add device_status.py
git remote add python_programmer/device_status
git push

```

- A. Option C
- B. Option D
- C. **Option A**
- D. Option B

Answer: C

Explanation:

Reference:

<https://help.github.com/en/github/importing-your-projects-to-github/adding-an-existing-project-to-github-using-the-command-line>
<https://help.github.com/en/github/importing-your-projects-to-github/adding-an-existing-project-to-github-using-the-command-line>

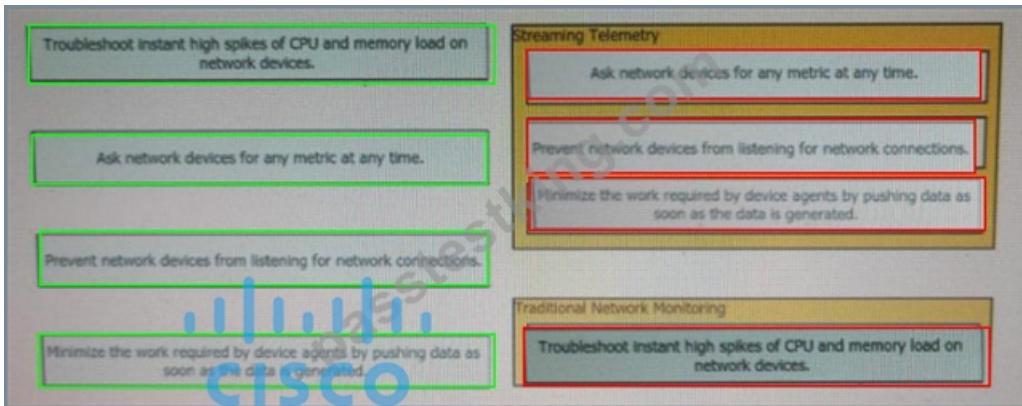
NEW QUESTION # 146

Drag and drop the characteristic from the left onto the monitoring type described on the right

Troubleshoot instant high spikes of CPU and memory load on network devices.	Streaming Telemetry
Ask network devices for any metric at any time.	
Prevent network devices from listening for network connections.	Traditional Network Monitoring
Minimize the work required by device agents by pushing data as soon as the data is generated.	

Answer:

Explanation:



Reference:

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

NEW QUESTION # 147

Fill in the blank to complete the statement.

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:

Explanation:

ZIP

NEW QUESTION # 148

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