



# 300-435<sup>Q&As</sup>

Automating and Programming Cisco Enterprise Solutions (ENAUTO)

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### QUESTION 1

Which two actions do Python virtual environments allow users to perform? (Choose two.)

- A. Simplify the CI/CD pipeline when checking a project into a version control system, such as Git.
- B. Efficiently port code between different languages, such as JavaScript and Python.
- C. Run and simulate other operating systems within a development environment.
- D. Quickly create any Python environment for testing and debugging purposes.
- E. Quickly create an isolated Python environment with module dependencies.

Correct Answer: DE

Reference: <https://realpython.com/python-virtual-environments-a-primer/>

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### QUESTION 2

When a Grafana dashboard is built to receive network events from Cisco DNA Center, which integration bundle is enabled to send notifications?

- A. Basic ITSM CMDB Synchronization
- B. DNA Center Rest API
- C. Network Events for REST API Endpoint
- D. Network Issue Monitor and Enrichment for ITSM

Correct Answer: B

Reference: [https://www.cisco.com/c/en/us/td/docs/cloud-systems-management/network-automation-and-management/dna-center/1-3/admin\\_guide/b\\_cisco\\_dna\\_center\\_admin\\_guide\\_1\\_3/b\\_dnac\\_admin\\_guide\\_1\\_2\\_10\\_chapter\\_010.html](https://www.cisco.com/c/en/us/td/docs/cloud-systems-management/network-automation-and-management/dna-center/1-3/admin_guide/b_cisco_dna_center_admin_guide_1_3/b_dnac_admin_guide_1_2_10_chapter_010.html)

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### QUESTION 3

FILL BLANK

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.

- A. Zero touch provisioning (ZTP)

Correct Answer: A



Reference: <https://developer.cisco.com/docs/ios-xe/#!/day-zero-provisioning-quick-start-guide>

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#### QUESTION 4

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>

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#### QUESTION 5

Which URI removes an administrator from a Meraki network using an API call?

- A. DELETE <https://api.meraki.com/api/v0/organizations//admins/>
- B. DELETE <https://api.meraki.com/api/v0/admins/>
- C. PUT <https://api.meraki.com/api/v0/organizations//admins/?delete=>
- D. DELETE <https://api.meraki.com/api/v0/organizations//admins/>

Correct Answer: A

NOTE: The options are fundamentally wrong. The answer is correct. It should be [api.meraki.com/api/v0/organizations/](https://api.meraki.com/api/v0/organizations/)

Reference:

[https://documentation.meraki.com/zGeneral\\_Administration/Other\\_Topics/The\\_Cisco\\_Meraki\\_Dashboard\\_API](https://documentation.meraki.com/zGeneral_Administration/Other_Topics/The_Cisco_Meraki_Dashboard_API) (see delete an administrator)

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#### QUESTION 6

FILL BLANK

Fill in the blank to complete the URL for the Cisco SD-WAN API that retrieves a list of users that are logged into a device.

`http://<vmanage-ip-address>/dataservice/device/deviceid=<deviceid>>`



A. interface?

Correct Answer: A

Reference: [https://sdwan-docs.cisco.com/Product\\_Documentation/Command\\_Reference/Command\\_Reference/vManage\\_REST\\_APIs/Real-Time\\_Monitoring\\_APIs/Interface](https://sdwan-docs.cisco.com/Product_Documentation/Command_Reference/Command_Reference/vManage_REST_APIs/Real-Time_Monitoring_APIs/Interface)

### QUESTION 7

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/

Correct Answer: D

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

### QUESTION 8

An engineer stored source code in a Git repository and is ready to develop a new feature. The production release is stored in the "master" branch. Which commands create the new feature in a separate branch called "feature" and check out the new version?

- A. 

```
git branch \
  https://git.cisco.com/python_programmer/device_status:feature
git checkout device_status:feature
```
- B. 

```
git remote add branch python_programmer/device_status:feature
git pull
```
- C. 

```
git branch feature
git checkout feature
```
- D. 

```
git remote add branch
  https://git.cisco.com/python_programmer/device_status:feature
git push
```

A. Option A

B. Option B

C. Option C

D. Option D



Correct Answer: C

Reference: <https://www.atlassian.com/git/tutorials/comparing-workflows/feature-branch-workflow>

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#### QUESTION 9

```
neighbors = ['s1', 's2', 's3']  
switch = {'hostname': 'nexus', 'os': '7.0.3', 'neighbors': neighbors}  
print(switch['neighbors'][1])
```

Refer to the exhibit. What is the result when running the Python scripts?

- A. s1
- B. s2
- C. s1, s2, s3
- D. s3

Correct Answer: B



```
1 neighbors = ['s1', 's2', 's3']
2 switch = {'hostname':'nexus','os':'7.0.3','neighbors':neighbors}
3 print(switch['neighbors' ][1])
```

Execute Mode, Version, Inputs & Arguments

3.7.4

CommandLine Arguments

Result

CPU Time: 0.02 sec(s), Memory: 7604 kilobyte(s)

s2

### QUESTION 10

Which HTTP request is valid to create a new wireless network called "Demo Wireless Network" in the organization "QASD-EROA-MKAW"?



- A. POST /organizations/QASD-EROA-MKAW/networks  
Host: <https://api.meraki.com/api/v0>
- ```
{
  "name": "Demo Wireless Network",
  "organizationId": "QASD-EROA-MKAW",
  "type": "wireless"
}
```
- B. POST /organizations/networks  
Host: <https://api.meraki.com/api/v0>
- ```
{
  "name": "Demo Wireless Network",
  "organizationId": "QASD-EROA-MKAW",
  "type": "combined"
}
```
- C. POST /organizations/networks  
Host: <https://api.meraki.com/api/v0>
- ```
{
  "name": "Demo Wireless Network",
  "organizationId": "QASD-EROA-MKAW",
  "type": "wireless"
}
```
- D. POST /organizations/QASD-EROA-MKAW/networks  
Host: <https://api.meraki.com/api/v0>
- ```
{
  "name": "Demo Wireless Network",
  "type": "combined"
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

Reference:

[https://documentation.meraki.com/zGeneral\\_Administration/Other\\_Topics/The\\_Cisco\\_Meraki\\_Dashboard\\_API](https://documentation.meraki.com/zGeneral_Administration/Other_Topics/The_Cisco_Meraki_Dashboard_API)



### QUESTION 11

What are two characteristics of synchronous calls to APIs? (Choose two.)

- A. They can be used only with certain programming languages.
- B. They make your application less portable, so asynchronous calls are preferred.
- C. They can add perceived latency to your application if data is not received.
- D. They block until a response is returned from the servers.
- E. They do not block while waiting for the API to be processed.

Correct Answer: CE

Reference: <https://docs.cloudmgmt.cisco.com/display/40API/Synchronous+and+Asynchronous+APIs>

### QUESTION 12

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <establish-subscription
    xmlns="urn:ietf:params:xml:ns:yang:ietf-event-notifications"
    xmlns:yp="urn:ietf:params:xml:ns:yang:ietf-yang-push">
    <stream>yp:yang-push</stream>
    <yp:xpath-filter>/mdt-oper:mdt-oper-data/mdt-subscriptions</yp:xpath-filter>
    <yp: <input type="text" value="" /> >1000</yp: <input type="text" value="" /> >
  </establish-subscription>
</rpc>
```

Refer to the exhibit. Which XML tag completes this NETCONF telemetry subscription with a Cisco IOS XE device?

- A. crontab
- B. cadence
- C. frequency
- D. period

Correct Answer: D

Reference: [https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/1610/b\\_1610\\_programmability\\_cg/model\\_driven\\_telemetry.html](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/1610/b_1610_programmability_cg/model_driven_telemetry.html)

### QUESTION 13

DRAG DROP





Drag and Drop the Frame Relay LMI extensions from the left onto the correct descriptions on the right.

Select and Place:

address registration	It allows neighbouring cisco devices to exchange the management ip addresses
global addressing	It enables the Frame Relay network to identify interfaces in same manner as a LAN
multicasting	It Prevents data from being transmitted in Black Holes
simple flow control	It provides most efficient transmission of routing protocol messages and support address resolution
virtual circuit	It supports devices that are unable to use congestion notification

Correct Answer:

	address registration
	global addressing
	virtual circuit
	multicasting
	simple flow control

**QUESTION 14**

What is a capability of MV Sense MQTT API?



- A. request and subscribe to historical, current, or real-time data
- B. automate the configuration of networking devices
- C. monitor the network and auto adjust for optimal performance
- D. create email alerts for user that violate the security configuration

Correct Answer: A

Reference: <https://developer.cisco.com/meraki/mv-sense/#!mv-sense-overview/introduction>

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#### QUESTION 15

Which two features are foundations of a software-defined network instead of a traditional network? (Choose two.)

- A. control plane and data plane are tightly coupled
- B. build upon a robust software stack
- C. requires device by device-level configurations
- D. automated through expressed intent to a software controller
- E. requires significant physical hardware resources

Correct Answer: BD

In traditional networks, control plane and data plane are coupled tightly. It also requires device by device configurations and of course, it uses physical hardware resources to function. Whereas, SDN is based on a software stack. In Cisco SDNs are automated through expressed intent to a software controller.

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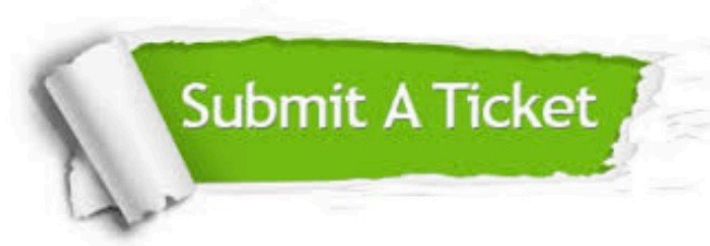
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