

# 200-901<sup>Q&As</sup>

Developing Applications and Automating Workflows using Cisco Platforms (DEVASC)

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## QUESTION 1

Which port does HTTPS use by default?

- A. 433
- B. 443
- C. 803
- D. 883

Correct Answer: B

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## QUESTION 2

Which CI/CD tool is an automation tool used to build, test, and deploy software?

- A. Git
- B. Gradle
- C. Nagios
- D. Jenkins

Correct Answer: D

Reference: <https://www.infoworld.com/article/3271126/what-is-cicd-continuous-integration-and-continuous-delivery-explained.html>

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## QUESTION 3

Into which type of Python data structure should common data formats be parsed?

- A. sequence
- B. set
- C. dictionary
- D. list

Correct Answer: C

JSON: JSON data can be parsed into a Python dictionary using the `json.loads()` function from the built-in `json` module. This function takes a JSON string as input and returns a dictionary representing the data.

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## QUESTION 4

Refer to the exhibit. Which workflow does the script automate?

```
1 import requests
2
3 url = "https://api.meraki.com/api/v0/organizations/{{organizationId}}/insight/
* monitoredMediaServers"
4
5 payload = {
6     "name": "Sample VoIP Provider",
7     "address": "123.123.123.1"
8 }
9 headers = {
10     'Accept': '*/*',
11     'Content-Type': 'application/json'
12 }
13
14 response = requests.request("POST", url, headers=headers, data=payload)
15
16 print(response.text.encode('utf8'))
```

- A. retrieves a media server that is being monitored
- B. updates a media server that is being monitored
- C. adds a media server to be monitored
- D. deletes a media server that is being monitored

Correct Answer: C

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## QUESTION 5

Refer to the exhibit.

```
diff --git a/ciscoaxl/axl.py b/ciscoaxl/axl.py
index bc7727e..d66ef4d 100644
--- a/ciscoaxl/axl.py
+++ b/ciscoaxl/axl.py
@@ -99,7 +99,7 @@ class axl(object):
     :return: result dictionary
     """
     try:
-        return self.client.executeSQLUpdate(query)
+        return self.client.executeSQLUpdate(query) ['return']
     except Fault as e:
         return e

diff --git a/setup.py b/setup.py
index df79ef4..1470b05 100644
--- a/setup.py
+++ b/setup.py
@@ -5,7 +5,7 @@ with open("README.md", "r") as fh:

    setup(
        name="ciscoaxl",
-        version="0.14",
+        version="0.141",
        author="User 1",
        author_email="user1@example.com",
        description="Cisco CUCM AXL Library. Simple to use.",
```

Which two files are being edited in the unified diff? (Choose two.)

- A. README.md
- B. setup.py
- C. axl.py
- D. ciscoaxl.py
- E. index.py

Correct Answer: BC

## QUESTION 6

### DRAG DROP

Refer to the exhibit. Drag and drop the code from the bottom onto the box where the code is missing to construct an API request that creates a new IPv4 prefix. Not all options are used

HTTP request			
URL			
POST /api/fdm/v6/object/ipv4prefixlists			
Data Parameters			
Parameter	Required	Type	Description
name	True	string	A mandatory string containing the name of the IPv4 Prefix List.
description	False	string	A string describing this object. Field level constraints: length must be between 0 and 200 (inclusive). (Note: Additional constraints might exist)
entries	True	[object]	An object holding a list of IPv4 prefix entries. Field level constraints: cannot be null. (Note: Additional constraints might exist)
type	True	string	A UTF8 string, all letters lower-case, that represents the class-type. This corresponds to the class name.

Select and Place:

```
import requests, json

BASE_URL = 'https://ftd.example.com/api/fdm/latest'
url = f'{ [ ] }/object/ipv4prefixlists'
token = 'eyJhbGc ... yJbN8'

payload = {
    'entries': [
        {
            'action': 'PERMIT', 'ipAddress': '172.0.0.0/64', 'sequence': 0,
            'type': ' [ ] '
        }
    ],
    'name': 'DevNet Demo Network',
    'type': 'ipv4prefixlist'
}

headers = {
    'Authorization': f'Bearer { [ ] }',
    'Content-Type': 'application/json'
}

response = requests.request(" [ ] ", url, headers=headers,
    data=json.dumps(payload))
print(response.text.encode('utf8'))
```

URL

ipv4prefixlist

token

api\_key

BASE\_URL

POST

GET

Correct Answer:

```
import requests, json

BASE_URL = 'https://ftd.example.com/api/fdm/latest'
url = f'{BASE_URL}/object/ipv4prefixlists'
token = 'eyJhbGc ... yJbN8'

payload = {
    'entries': [
        {'action': 'PERMIT', 'ipAddress': '172.0.0.0/64', 'sequence': 0,
         'type': 'ipv4prefixlist'}
    ],
    'name': 'DevNet Demo Network',
    'type': 'ipv4prefixlist'
}

headers = {
    'Authorization': f'Bearer {token}',
    'Content-Type': 'application/json'
}

response = requests.request("POST", url, headers=headers,
                             data=json.dumps(payload))
print(response.text.encode('utf8'))
```

URL

api\_key

GET

## QUESTION 7

When using the Bash shell, how is the output of the devnet command saved to a file named "output.txt"?

- A. devnet > output.txt
- B. devnet | output.txt
- C. devnet
- D. devnet and output.txt

Correct Answer: A

Reference: <https://askubuntu.com/questions/420981/how-do-i-save-terminal-output-to-a-file>

## QUESTION 8

Which two concepts describe test-driven development? (Choose two.)

- A. User acceptance testers develop the test requirements.
- B. It enables code refactoring.
- C. Tests are created when code is ready for release.
- D. Implementation is driven by incremental testing of release candidates.
- E. Write a test before writing code.

Correct Answer: BE

[https://www.tutorialspoint.com/software\\_testing\\_dictionary/release\\_candidate.htm](https://www.tutorialspoint.com/software_testing_dictionary/release_candidate.htm)

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## QUESTION 9

Users cannot access a webserver and after the traffic is captured, the capture tool shows an ICMP packet that reports “communication administratively prohibited”. What is the cause of this webserver access issue?

- A. A router along the path is overloaded and thus dropping traffic.
- B. Users must authenticate on the webserver to access it.
- C. The traffic is not allowed to be translated with NAT and dropped.
- D. An access list along the path is blocking the traffic.

Correct Answer: D

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## QUESTION 10

Which type of OWASP threat uses malicious scripts that are injected into otherwise benign and trusted websites?

- A. brute force
- B. man-in-the-middle
- C. XSS
- D. SQL injection

Correct Answer: C

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## QUESTION 11

DRAG DROP

Refer to the exhibit.

## **API Documentation:**

### **Team body parameters:**

name (required)

### **Room body parameters:**

title(required), teamId(required)

### **Message body parameters:**

roomId, parentId, toPersonId, toPersonEmail, text, markdown, files, attachments

### **People body parameters:**

emails(required), displayName, firstName, lastName, avatar, orgId, roles, licenses

A script must create a new team, create a new space, send a message, and create a participant. Drag and drop the code snippets from the bottom onto the boxes in the code to complete the script. Not all options are used.

Select and Place:

```
import requests

base_url = "https://webexapis.com/v1"
email = "admin@example.com"
name = "Admin"
header = {"key": "value"}

url = "{}/{}/{}".format(base_url, "/teams")
body = 
team_id = requests.post(url, headers=header, data=body).json()['id']

url = "{}/{}/{}".format(base_url, "/rooms")
body = 
team_id = requests.post(url, headers=header, data=body).json()['id']

url = "{}/{}/{}".format(base_url, "/messages")
body = 
requests.post(url, headers=header, data=body)

url = "{}/{}/{}".format(base_url, "/people")
body = 
requests.post(url, headers=header, data=body)
```

```
{"emails": [email], "displayName": name}
```

```
{"name": "New example collaboration"}
```

```
{"roomId": room_id, "text": "New text"}
```

```
{"title": "New example collaboration"}
```

```
{"emails": [email], "name": name}
```

```
{"name": "newRoom", "teamId": team_id}
```

```
{"title": "newRoom", "teamId": team_id}
```

Correct Answer:

```
import requests

base_url = "https://webexapis.com/v1"
email = "admin@example.com"
name = "Admin"
header = {"key": "value"}

url = "{}/{}/{}".format(base_url, "/teams")
body = {"name": "New example collaboration"}
team_id = requests.post(url, headers=header, data=body).json()['id']

url = "{}/{}/{}".format(base_url, "/rooms")
body = {"title": "New example collaboration"}
team_id = requests.post(url, headers=header, data=body).json()['id']

url = "{}/{}/{}".format(base_url, "/messages")
body = {"roomId": room_id, "text": "New text"}
requests.post(url, headers=header, data=body)

url = "{}/{}/{}".format(base_url, "/people")
body = {"emails": [email], "name": name}
requests.post(url, headers=header, data=body)
```

```
{"emails": [email], "displayName": name}
```

```
{"name": "newRoom", "teamId": team_id}
```

```
{"title": "newRoom", "teamId": team_id}
```

## QUESTION 12

A file that already exists in a local repository is updated. Which command must be executed to ensure that the changes in the file are included in the next Git commit?

- A. git update
- B. git merge

C. git add

D. git rebase

Correct Answer: C

<https://github.com/git-guides/git-add>

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## QUESTION 13

What is a benefit of a CI/CD pipeline for infrastructure?

A. removes manual errors

B. enables manual steps

C. removes the need for operations

D. provides variety for deployments

Correct Answer: A

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## QUESTION 14

A development team is using a version control system that has a centralized workflow. Which feature of the version control system ensures the integrity of the central repository?

A. central common code versioning backup

B. built-in conflict resolution mechanism

C. distributed nature of the version control system architecture

D. tracked code changes of the developers

Correct Answer: D

---

## QUESTION 15

Which tool provides a testing environment to run tests on network devices and perform network automation scenarios?

A. Visual Studio Code

B. Cisco VIRT

C. pyATS

D. Cisco Packet Tracer

Correct Answer: B

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