

Lab 2.5

Julián Alexis Cano Cruces

The screenshot shows a development environment with VS Code on the left and a web browser on the right. VS Code displays a Python script using the `requests` library to interact with a RESTCONF endpoint. The script defines headers, basic authentication, and a GET request to `https://10.10.20.48/restconf/data/ietf-interfaces:interfaces`. The output console shows the JSON response of the GET request.

```
1 # Nombre: Julián Alexis Cano Cruces
2 # Fecha: 02/12/2023
3 # Laboratorio: 2.5
4
5 import json
6 import requests
7
8 requests.packages.urllib3.disable_warnings()
9
10 url = "https://10.10.20.48/restconf/data/ietf-interfaces:interfaces"
11
12 headers = {
13     "Accept": "application/yang-data-json",
14     "Content-Type": "application/yang-data-json"
15 }
16
17 basic_auth = ("Developer", "Cisco12345")
18
19 resp = requests.get(url, auth=basic_auth, headers=headers, verify=False)
20 response_json = resp.json()
21
22 print(json.dumps(response_json, indent=4))
```

The web browser shows the Postman interface. A workspace named 'REST...' is open. The active request is a PUT request to `https://10.10.20.48/restconf/...`. The interface shows the 'Params' tab, 'Auth' (Basic), 'Headers' (8), and 'Body' sections. A Google account menu is visible in the top right corner.

The screenshot shows the same development environment as the first image. In VS Code, the Python script is updated to use a different endpoint: `https://10.10.20.48/restconf/data/ietf-interfaces:interfaces`. The output console shows the JSON response of the GET request.

```
1 # Nombre: Julián Alexis Cano Cruces
2 # Fecha: 02/12/2023
3 # Laboratorio: 2.5
4
5 import json
6 import requests
7
8 requests.packages.urllib3.disable_warnings()
9
10 url = "https://10.10.20.48/restconf/data/ietf-interfaces:interfaces"
11
12 headers = {
13     "Accept": "application/yang-data-json",
14     "Content-Type": "application/yang-data-json"
15 }
16
17 basic_auth = ("Developer", "Cisco12345")
18
19 resp = requests.get(url, auth=basic_auth, headers=headers, verify=False)
20 response_json = resp.json()
21
22 print(json.dumps(response_json, indent=4))
```

The web browser shows the Postman interface. The active request is a PUT request to `https://10.10.20.48/restconf/...`. The interface shows the 'Params' tab, 'Auth' (Basic), 'Headers' (8), and 'Body' sections. A 'Send' button is visible in the top right corner.

