

# Python PycURL

/via: <https://www.rapidseedbox.com/blog/python-curl>

- requests: [1.6 Making life easier with the requests module](#)

## setup

- PycURL es un intefaz python para interactuar con cURL (más completa/compleja que **requests**)

```
• sudo apt install libcurl4-openssl-dev libssl-dev
```

```
• pip install pycurl
```

## comandos básicos con requests

- *# Basic Commands with Requests*

```
import requests

get_response = requests.get('https://sampleurl.com')
print(get_response.text)
```

- *# POST Request with Requests*

```
import requests

payload = {'param': 'value'}
post_response = requests.post('https://sampleurl.com', data=payload)
print(post_response.text)
```

- `import requests`

```
try:
    get_response = requests.get('https://example.com')
    get_response.raise_for_status()
    print(get_response.text)

except requests.exceptions.HTTPError as http_err:
    print(f'HTTP error occurred: {http_err}')

except Exception as err:
    print(f'Other error occurred: {err}')
```

## comandos básicos con pycurl

- *# GET Request with PyURL*

```
from pycurl import Curl
from io import BytesIO

curl_obj = Curl()
response_buffer = BytesIO()
curl_obj.setopt(curl_obj.URL, 'https://sampleurl.com')
curl_obj.setopt(curl_obj.WRITEDATA, response_buffer)
curl_obj.perform()
curl_obj.close()

response_body = response_buffer.getvalue().decode('utf-8')
print(response_body)
```

- *# POST Request with PycURL*

```
from pycurl import Curl
from io import BytesIO
from urllib.parse import urlencode

curl_obj = Curl()
response_buffer = BytesIO()
payload = {'param': 'value'}
encoded_payload = urlencode(payload)
curl_obj.setopt(curl_obj.URL, 'https://sampleurl.com')
curl_obj.setopt(curl_obj.POSTFIELDS, encoded_payload)
curl_obj.setopt(curl_obj.WRITEDATA, response_buffer)
curl_obj.perform()
curl_obj.close()

response_body = response_buffer.getvalue().decode('utf-8')
print(response_body)
```

- *# Handling Responses with PycURL*

```
from pycurl import Curl
from io import BytesIO

curl_obj = Curl()
response_buffer = BytesIO()
curl_obj.setopt(curl_obj.URL, 'https://sampleurl.com')
curl_obj.setopt(curl_obj.WRITEDATA, response_buffer)
curl_obj.perform()
http_code = curl_obj.getinfo(curl_obj.RESPONSE_CODE)
curl_obj.close()

if http_code == 200:
    print("Success:", response_buffer.getvalue().decode('utf-8'))
else:
```

```
print("Error:", http_code)
```

## comandos avanzados con requests

- Enviando JSON:

```
import requests

payload = {'param': 'value'}
post_response = requests.post('https://sampleurl.com', json=payload)
print(post_response.text)
```

- Enviando cabeceras:

```
import requests

headers = {
    'User-Agent': 'CustomUserAgent',
    'Accept': 'application/json'
}
get_response = requests.get('https://sampleurl.com', headers=headers)
print(get_response.text)
```

- Enviando fichero:

```
import requests

files = {'file': open('path/to/your/file.txt', 'rb')}
post_response = requests.post('https://sampleurl.com/upload', files=files)
print(post_response.text)
```

- Recibiendo fichero:

```
import requests

files = {'file': open('path/to/your/file.txt', 'rb')}
post_response = requests.post('https://sampleurl.com/upload', files=files)
print(post_response.text)
```

## comandos avanzados con pycurl

- Enviando JSON:

```
from pycurl import Curl
from io import BytesIO
import json

curl_obj = Curl()
response_buffer = BytesIO()
payload = {'param': 'value'}
postfields = json.dumps(payload)
curl_obj.setopt(curl_obj.URL, 'https://sampleurl.com')
curl_obj.setopt(curl_obj.POSTFIELDS, postfields)
```

```
curl_obj.setopt(curl_obj.HTTPHEADER, &#91;'Content-Type: application/json'])
curl_obj.setopt(curl_obj.WRITEDATA, response_buffer)
curl_obj.perform()
curl_obj.close()
response_body = response_buffer.getvalue().decode('utf-8')
print(response_body)
```

- Enviando cabeceras:

```
from pycurl import Curl
from io import BytesIO

curl_obj = Curl()
response_buffer = BytesIO()
curl_obj.setopt(curl_obj.URL, 'https://sampleurl.com')
curl_obj.setopt(curl_obj.HTTPHEADER, &#91;'User-Agent: CustomUserAgent',
'Accept: application/json'])
curl_obj.setopt(curl_obj.WRITEDATA, response_buffer)
curl_obj.perform()
curl_obj.close()
response_body = response_buffer.getvalue().decode('utf-8')
print(response_body)
```

- Enviando fichero:

```
from pycurl import Curl

curl_obj = Curl()
curl_obj.setopt(curl_obj.URL, 'https://sampleurl.com/upload')
curl_obj.setopt(curl_obj.HTTPPOST, &#91;('file', (curl_obj.FORM_FILE,
'path/to/your/file.txt'))])
curl_obj.perform()
curl_obj.close()
```

- Recibiendo fichero:

```
from pycurl import Curl
from io import BytesIO

curl_obj = Curl()
response_buffer = BytesIO()
curl_obj.setopt(curl_obj.URL, 'https://sampleurl.com/file.txt')
curl_obj.setopt(curl_obj.WRITEDATA, response_buffer)
curl_obj.perform()
curl_obj.close()

with open('downloaded_file.txt', 'wb') as f:
    f.write(response_buffer.getvalue())
```

## varis

- problemas con certificados: <https://pypi.org/project/certifi/>

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