

Python: how to upload files with the requests module

In this article we will see how to upload a file in Python with the requests module.

The solution is as follows:

```
import os
import requests

def upload_file(url, file_path):
    if not os.path.exists(file_path):
        return False
    with open(file_path, 'rb') as f:
        files = {'file': f}
        try:
            r = requests.post(url, files=files)
        except requests.exceptions.RequestException:
            return False
    return True
```

The function will return a boolean value. In case of non-existent or inaccessible file and HTTP request error, `False` will be returned. The file is read in binary mode and inserted as a value into the dictionary `files` which will be used in the POST request to the specified URL. The dictionary key in the example corresponds to the file name that the web server expects to finalize the upload. In fact in this case we are simulating the

submission of an HTML form, so the key `file` corresponds to the value of the `name` attribute of an HTML input field of type `file`.