

Request Forms and Files

You can define files and form fields at the same time using `File` and `Form`.

!!! info To receive uploaded files and/or form data, first install `python-multipart`.

E.g. ``pip install python-multipart``.

Import File and Form

```
Python hl_lines="1" {!../../../../../docs_src/request_forms_and_files/tutorial001.py!}
```

Define File and Form parameters

Create file and form parameters the same way you would for `Body` or `Query`:

```
Python hl_lines="8" {!../../../../../docs_src/request_forms_and_files/tutorial001.py!}
```

The files and form fields will be uploaded as form data and you will receive the files and form fields.

And you can declare some of the files as `bytes` and some as `UploadFile`.

!!! warning You can declare multiple `File` and `Form` parameters in a *path operation*, but you can't also declare `Body` fields that you expect to receive as JSON, as the request will have the body encoded using `multipart/form-data` instead of `application/json`.

This is not a limitation of `**FastAPI**`, it's part of the HTTP protocol.

Recap

Use `File` and `Form` together when you need to receive data and files in the same request.