

Complete Guide: From PyPI Login to Package Publishing

This is a comprehensive step-by-step guide to create, build, and publish a Python package to PyPI.

Part 1: PyPI Account Setup

Step 1: Create PyPI Account

1. Go to <https://pypi.org>
2. Click "Register" in the top right
3. Fill out the registration form:
 - Username (e.g., `sskumar9876`)
 - Email address
 - Password
4. Check your email and verify your account

Step 2: Enable Two-Factor Authentication (Recommended)

1. Go to <https://pypi.org/manage/account/>
2. Click "Add 2FA with authentication app"
3. Follow the instructions with Google Authenticator or similar app

Step 3: Create API Token

1. Go to <https://pypi.org/manage/account/token/>
2. Click "Add API token"
3. Give it a name: "Package Upload Token"
4. Set scope to "Entire account" (or specific project later)
5. **Copy the token** - it starts with `pypi-` and you'll only see it once
6. Store it securely

Command to execute after creating a virtual env and activating it after that install the requirements.txt

Then – only for once

`pip install build twine`

```
# Build the package  
python -m build
```

Then run this

```
python -m twine upload dist/*
```

it will ask for api key and then it will publish your package to pypi