

UPSSITECH – KUPR9BC3

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INTRO

- > A Python linter & formatter
- > replace all the others (black, isort, flake8, ...)
- > very fast (rust)
- > can (un)safely fix your code (further)
- > integrations (pre-commit, lsp, CI)
- > good defaults & lot of configuration options
- > 42 k★

- > A company to advance the python tooling ecosystem
- > Support ruff development
 - open source, permissive, built in the open
- > Create other tools:
 - rye
 - uv
 - ty

- > extends pip
 - don't lock you out of it
- > follows standard PEPs
- > will use your python
 - unless you need another
- > will isolate your env
 - unless you need system things
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- > will isolate your env
 - unless you need system things
- > very fast (rust)
- > great dependency resolver
 - with clear messages
- > global cache
 - with deduplication
- > workspaces
- > uvx
- > 68 k★
- > listen to its community

STANDARDS

```
[project]
name = "Your Project Name"
version = "0.1.0"
description = "Your Project Description"
readme = "README.md"
requires-python = ">=3.12"
dependencies = []
```

```
[build-system]
requires = ["uv_build>=0.8.14,<0.9.0"]
build-backend = "uv_build"
```

```
$ python -m venv .venv  
$ source .venv/bin/activate  
$ # Profit !
```

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```

```
$ tree .venv
.venv
├── bin
│   ├── activate
│   ├── pip
│   └── python -> ../../bin/python
├── include/python3.12
├── lib/python3.12/site-packages
└── pyvenv.cfg
```

```
$ pipx install uv
```

DEPENDENCY

MANAGEMENT

```
$ uv add httpx  
$ uv add --dev ruff  
$ uv add --optional view meshcat
```

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```

```
[project]
dependencies = [
    "httpx>=0.28.1",
]
[project.optional-dependencies]
view = [
    "meshcat>=0.3.2",
]
[dependency-groups]
dev = [
    "ruff>=0.11.13",
]
```

```
[[package]]
name = "anyio"
version = "4.9.0"
source = { registry = "https://pypi.org/simple" }
dependencies = [ { name = "idna" }, { name = "sniffio" }, ]
sdist = { url = "https://files.pythonhosted.org/packages/95/7d/4c1
bd541d4...97a106fc97a7313b105f840/anyio-4.9.0.tar.gz", hash =
"sha256:673c0c244e157886...5eda409e0c9840a028", size = 190949,
upload-time = "2025-03-17T00:02:54.77Z" }
wheels = [ { url = "https://files.pythonhosted.org/packages/a1/ee/
48ca1a7c89ffe...94acf8b8c408575bb/anyio-4.9.0-py3-none-any.whl", hash
= "sha2560a9c...4d93c", size = 100916, upload-time =
"2025-03-17T00:02:52.713Z" }, ]
```