```
[![logo](../../assets/logo-letter.svg)](../.. "uv")
u٧
Index
Initializing search
[ uv ](https://github.com/astral-sh/uv "Go to repository")
[![logo](../../assets/logo-letter.svg)](../.. "uv") uv
[ uv ](https://github.com/astral-sh/uv "Go to repository")
 * [Introduction ](../..)
 * [ Getting started ](../../getting-started/)
Getting started
  * [ Installation ](../../getting-started/installation/)
  * [ First steps ](../../getting-started/first-steps/)
  * [ Features ](../../getting-started/features/)
  * [ Getting help ](../../getting-started/help/)
 * [ Guides ](../)
```

Skip to content

Guides

```
* [ Installing Python ](../install-python/)
  * [ Running scripts ](../scripts/)
  * [ Using tools ](../tools/)
  * [ Working on projects ](../projects/)
  * [ Publishing packages ](../package/)
  * [ Integrations ](./)
Integrations
   * [ Docker ](docker/)
   * [ Jupyter ](jupyter/)
   * [ GitHub Actions ](github/)
   * [ GitLab CI/CD ](gitlab/)
   * [ Pre-commit ](pre-commit/)
   * [ PyTorch ](pytorch/)
   * [ FastAPI ](fastapi/)
   * [ Alternative indexes ](alternative-indexes/)
   * [ Dependency bots ](dependency-bots/)
   * [ AWS Lambda ](aws-lambda/)
 * [ Concepts ](../../concepts/)
```

Concepts

* [Projects](../../concepts/projects/)

- * [Structure and files](../../concepts/projects/layout/)
- * [Creating projects](../../concepts/projects/init/)
- * [Managing dependencies](../../concepts/projects/dependencies/)
- * [Running commands](../../concepts/projects/run/)
- * [Locking and syncing](../../concepts/projects/sync/)
- * [Configuring projects](../../concepts/projects/config/)
- * [Building distributions](../../concepts/projects/build/)
- * [Using workspaces](../../concepts/projects/workspaces/)
- * [Tools](../../concepts/tools/)
- * [Python versions](../../concepts/python-versions/)
- * [Resolution](../../concepts/resolution/)
- * [Caching](../../concepts/cache/)
- * [Configuration](../../configuration/)

Configuration

- * [Configuration files](../../configuration/files/)
- * [Environment variables](../../configuration/environment/)
- * [Authentication](../../configuration/authentication/)
- * [Package indexes](../../configuration/indexes/)
- * [Installer](../../configuration/installer/)
- * [The pip interface](../../pip/)

The pip interface

- * [Using environments](../../pip/environments/)
- * [Managing packages](../../pip/packages/)
- * [Inspecting packages](../../pip/inspection/)
- * [Declaring dependencies](../../pip/dependencies/)
- * [Locking environments](../../pip/compile/)
- * [Compatibility with pip](../../pip/compatibility/)
- * [Reference](../../reference/)

Reference

- * [Commands](../../reference/cli/)
- * [Settings](../../reference/settings/)
- * [Troubleshooting](../../reference/troubleshooting/)

Troubleshooting

- * [Build failures](../../reference/troubleshooting/build-failures/)
- * [Reproducible examples](../../reference/troubleshooting/reproducible-examples/)
- * [Resolver](../../reference/resolver-internals/)
- * [Benchmarks](../../reference/benchmarks/)
- * [Policies](../../reference/policies/)

Policies

- * [Versioning](../../reference/policies/versioning/)
- * [Platform support](../../reference/policies/platforms/)
- * [License](../../reference/policies/license/)

```
1. [ Introduction ](../..)
 2. [ Guides ](../)
 3. [Integrations ](./)
# Integration guides
Learn how to integrate uv with other software:
 * [Using in Docker images](docker/)
 * [Using with Jupyter](jupyter/)
 * [Using with pre-commit](pre-commit/)
 * [Using in GitHub Actions](github/)
 * [Using in GitLab CI/CD](gitlab/)
 * [Using with alternative package indexes](alternative-indexes/)
 * [Installing PyTorch](pytorch/)
 * [Building a FastAPI application](fastapi/)
 * [Using with AWS Lambda](aws-lambda/)
Or, explore the [concept documentation](../../concepts/) for comprehensive
breakdown of each feature.
January 7, 2025
Back to top [ Previous Publishing packages ](../package/) [ Next Docker
](docker/)
```

```
Made with [ Material for MkDocs Insiders ](https://squidfunk.github.io/mkdocs-material/)

[ ](https://github.com/astral-sh/uv "github.com") [
](https://discord.com/invite/astral-sh "discord.com") [
](https://pypi.org/project/uv/ "pypi.org") [ ](https://x.com/astral_sh
"x.com")
```