

Training plan (2 days)

Best practices in Python software development

Learn how to introduce good development practices in your Python-powered projects.

by

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{Academy}

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Target audience

Python developers willing to improve their skills in (collaborative) software development and distribution by learning currently admitted best practices.

Goals

- Learn how to ship a Python application or library
- Learn how to write/run unit & functional tests for your Python applications
- Use a rock-solid git workflow to collaborate with your peers
- Introduce continuous integration/delivery (CI/CD) in your developments

Prerequisites

You should be comfortable with Git and Python (Python 3.4+). We recommend you to follow the [Git 101](#) session first (read the material to validate this Git-level requirement).

Training plan

DAY 1

- Introduction
 - What is a unit/functional test?
 - What is a forge and how to use it?
 - What are continuous integration and continuous delivery?
- Packaging your Python application or library
 - Documentation
 - Licenses
 - Dependencies
 - Installation/distribution
 - Coding style
- Git workflow
 - "Forking" a repository
 - Use the simple `git` branching model locally
- Write your first tests
 - The `py.test` framework
 - Unit testing
 - Functional testing
 - Test runner
 - Code coverage

DAY 2

- Continuous integration
 - GitLab Merge Requests
 - GitLab-CI configuration
 - Testing with multiple Python releases
- Simple git branching model in action
 - `git rebase` a feature-branch
 - Code reviews
 - Squashing commits

Pricing for information purposes only (per attendee*)

900 € HT

* = as part of an inter-company training (scheduled by TailorDev Academy). From 3 employees of a same company/entity, it is more interesting to organize an intra-company training. Please get in touch with us!