Learn-OCaml: How to contribute?

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Agenda

1 How to contribute code?

2 How to contribute beyond code?

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2 How to contribute beyond code?

Environment for learn-ocaml developers

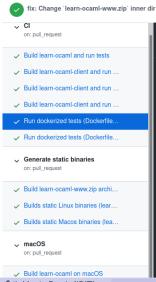
Needs:

- Linux or macOS
- opam 2 + ocaml 4.12 (currently)
- a "Merlin-aware" OCaml IDE (such as Tuareg+this config)
- Git (+ ideally Magit) + a GitHub account
- Docker Engine + docker-compose
 - https://docs.docker.com/engine/install/
 - https://docs.docker.com/compose/install/

Environment for learn-ocaml.el developers

https://gist.github.com/erikmd/35251ac083e7433f3e780f7eb8856782

Continuous Integration



Learn-OCaml contains "CI tests" to automate the Pull-Request checks

Continuous Deployment

Learn-OCaml actually contains a whole "CI/CD chain" to automate the releases:

- release-please automatically generates the CHANGELOG and computes/updates the version number
- the static binaries are built for Linux and macOS
- a tag and a GitHub release are made, along with the binaries
- three Docker images are pushed to Docker Hub
- and a PR is opened by a bot in the main opam-repository

Contributing guidelines

Learn-OCaml has a very permissive open-source license (MIT)

Contributions are very welcome!

- See also CONTRIBUTING.md, in particular:
 - Use Atomic Commits so each commit gathers a single logical change
 - Use Conventional Commits messages (needed by release-please)
- Integration tests are stored in: https://github.com/ocaml-sf/learn-ocaml/tree/master/tests
- Documentation is stored in: https://github.com/ocaml-sf/learn-ocaml/tree/master/docs and automatically deployed in https://ocaml-sf.org/learn-ocaml/

(these links are recalled in so-called "PR templates / issue templates")

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How to contribute code?

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What can we do to contribute to the Learn-OCaml project?

- Beta-test ocamlsf/learn-ocaml:master before a release
- Suggest some quality-of-life improvements
- Give some feedback about the roadmap
- Open issues and PRs to improve the documentation
- Make demos of the platform if other teachers can be interested!
- Contribute new exercises in learn-ocaml-corpus?
- Help maintaining learn-ocaml-corpus?
- ?

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What about discussing these topics further at the end of the meeting?