

Marc-Philipp Knechtle

# Going public

Tips for publishing your own code

Hide your secrets!

- 1 Hide your secrets!
- 2 Creating a healthy community
- 3 Consistency achieved with continuous integration
- 4 Documentation
- 5 Promote your code

- Problem: (Accidental) commits of secrets
- e.g. passwords, application secret keys, OAuth secret keys, SSH keys
- The file is still accessible in history, even if the original file was deleted
- Security risk, even in private repositories

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Documentation

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- git filter-repo
- BFG Repo-Cleaner

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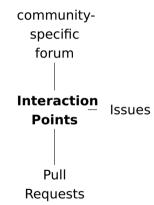
### Methods for encrypting and storing sensitive data:

- Why shouldn't I store the secrets separate from the repository?
- Methods for encrypting and storing sensitive data:
  - ▶ git-secret CLI
  - github encrypted secrets
  - ► technology specific encryption tool (e.g. ansible-vault)

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Documentation

## Points of interaction with the community



- Content: set of rules, with norms, responsibilities and proper parties
- defines the actions of a single person in a organisation
- Goal: healthy, constructive community behaviour
- CODE\_OF\_CONDUCT file (in the git repository)
- e.g. Contributor Covenant <sup>1</sup>, Django Code of Conduct <sup>2</sup>

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#### Continuous Integration Deploy to Acceptance **Unit Tests** Build auto auto auto stage Tests Continuous Delivery Deploy to Deploy to Acceptance **Unit Tests** Build auto auto auto stage Tests Continuous Deployment Deploy to Deploy to Acceptance **Unit Tests** Build auto auto auto stage Tests

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### **Github Actions**

- CI/CD platform, used for testing Pull Requests
- Reactions on other events such as an issue beeing created
- workflows can run on VMs or a self-hosted instance
- workflows consist of jobs, which is a shell script or an action
- actions are custom github actions applications (e.g. pulling a repository, setting up the toolchain)
- runners are the servers on which the process is performed

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■ Technology specific documentation toolchain (e.g. javadoc)

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# Ideas for promoting your code

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## References

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