



Development and sustainability

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Outline



- Team development
- Methodology
- Development
- Deployment
- Documentation
- Bug reports and feature requests

Team development



- CESNET and Masaryk University cooperation
- 6 core team members and “some” students
- Sharing responsibilities
- Service development with external people

Methodology



- Agile development
 - Iterative development
 - Extreme programming
 - Task/Feature Driven Development
- Rolling updates
- Weekly meetings

Development



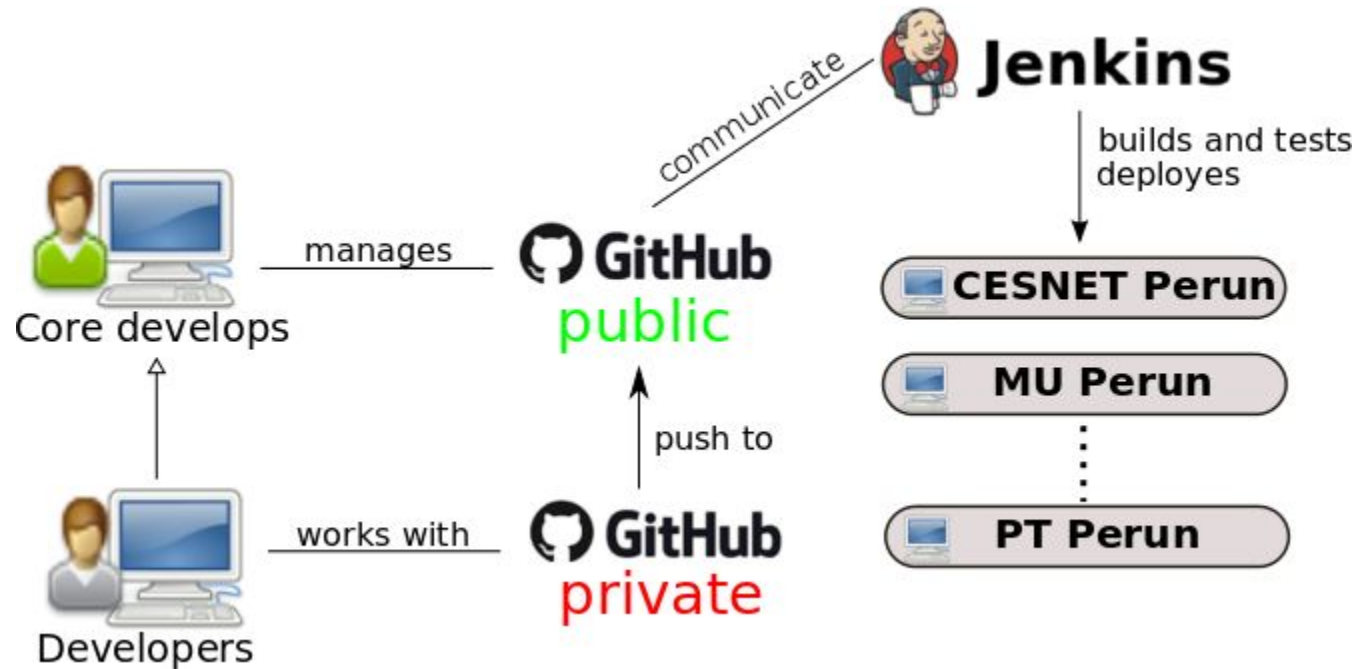
- Driven by GIT
- Open GitHub repository
- Everyone can send pull request
 - validated by Perun core team
- Testing every pull request
 - connection between GIT and Jenkins
- Usage of advanced GIT features
 - branches, cherry picking, pull requests etc.

Deployment



- Driven by Jenkins
- Code is tested automatically
- Easy testing every build against:
 - Oracle DB
 - PostgreSQL
 - HSQLDB
- Automatic deployment
- Notify about failed builds
- Build history

Development diagram



Documentation



- For Users (perun.cesnet.cz)
 - basic use cases
 - advanced use cases
- For Technical purpose (perun.cesnet.cz)
 - API (CLI, GUI etc.)
- Internal (redmine)

Bug reports and feature requests



- Request Tracker (rt.cesnet.cz)
 - for users requests and issues
 - need of quick reaction
 - automatic reports of errors from GUI
- Redmine
 - internal tasks
 - development plan