

Requirements for the git server

Current status

- Increasing number of coding related project
- All project stored separately, diverse folder structure
- Command line only - high adaption effort
- No approval process, can get chaotic with multiple users
- Sharing with 3rd. party through OwnCloud:
 - complex to set up
 - unintentional delete
 - synchronization issues
 - file conflicts
- Redundant data storage in Q

Main goals

- Have a separate repository for each project
- Each project should be accessible to users specified by the project owner
- Possibility to add external users for cooperation (interns, R&D partners, subcontractors)
- Self hosted for data security reasons?

Important features

- User friendly GUI to allow/track simultaneous development
- Basic git workflow (branches, pull, push, merge)
- Pull requests (merge requests) - code review and approval

Good to have

- Bitrix integration opportunity

Not necessarily needed

- CI/CD (continuous integration / continuous deployment)
 - automatic testing
 - package building
- Release control (versions)
- Security testing (automatic testing for security leaks)

Next steps

Step 0: git tutorial and training

- In progress. Responsible:
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- [git_alapok](#)

Step 1: git.econgngineering.com

- [GitLab](#)
 - Possible to self-host
 - free community edition
- [GitHub](#)
 - Not self-hosted (only at enterprise level)
 - Easy to start-with
 - Possible to have "private" repository
 - Free storage limit: 500Mb
 - Free user limit: unlimited
- [BitBucket](#)
 - Not self-hosted (only with DataCenter)
 - Easy to start-with
 - Possible to have "private" repository
 - Free storage limit: 1 GB (large file storage)
 - Free user limit: 5