# Git Versioning Model

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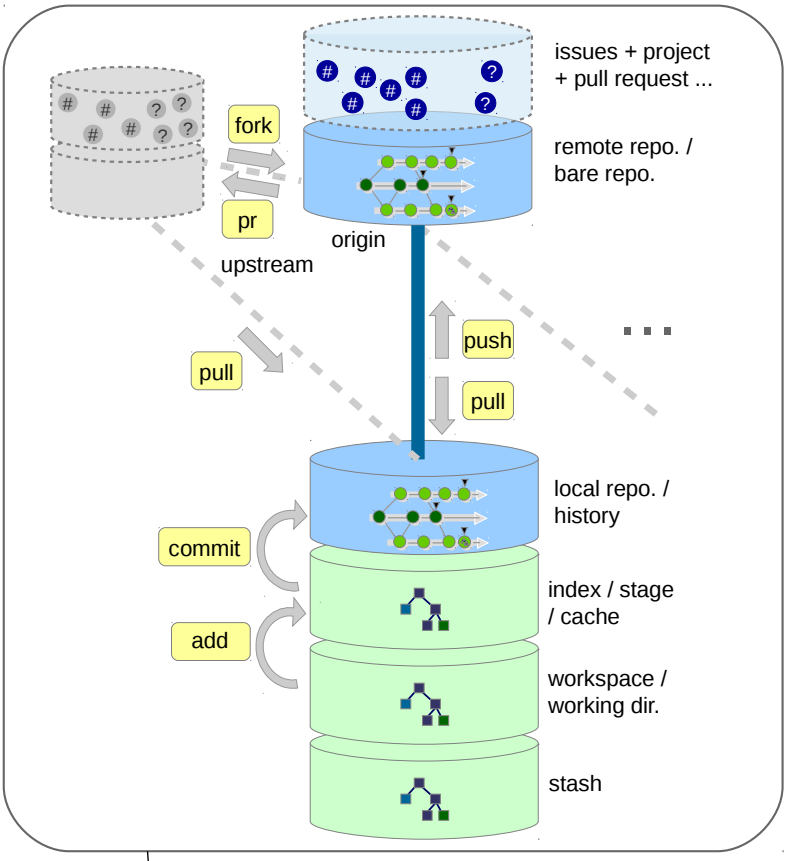
eScribis

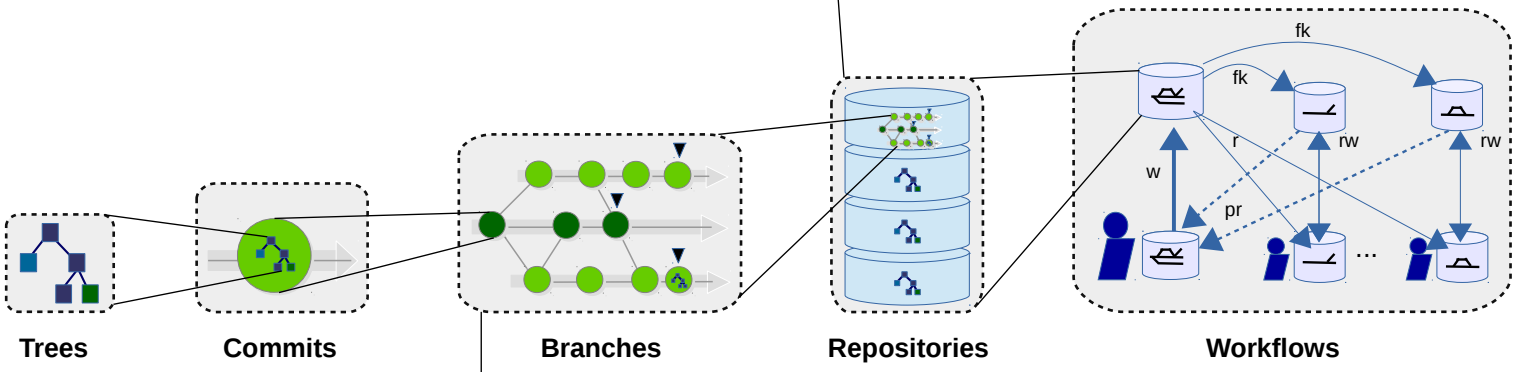


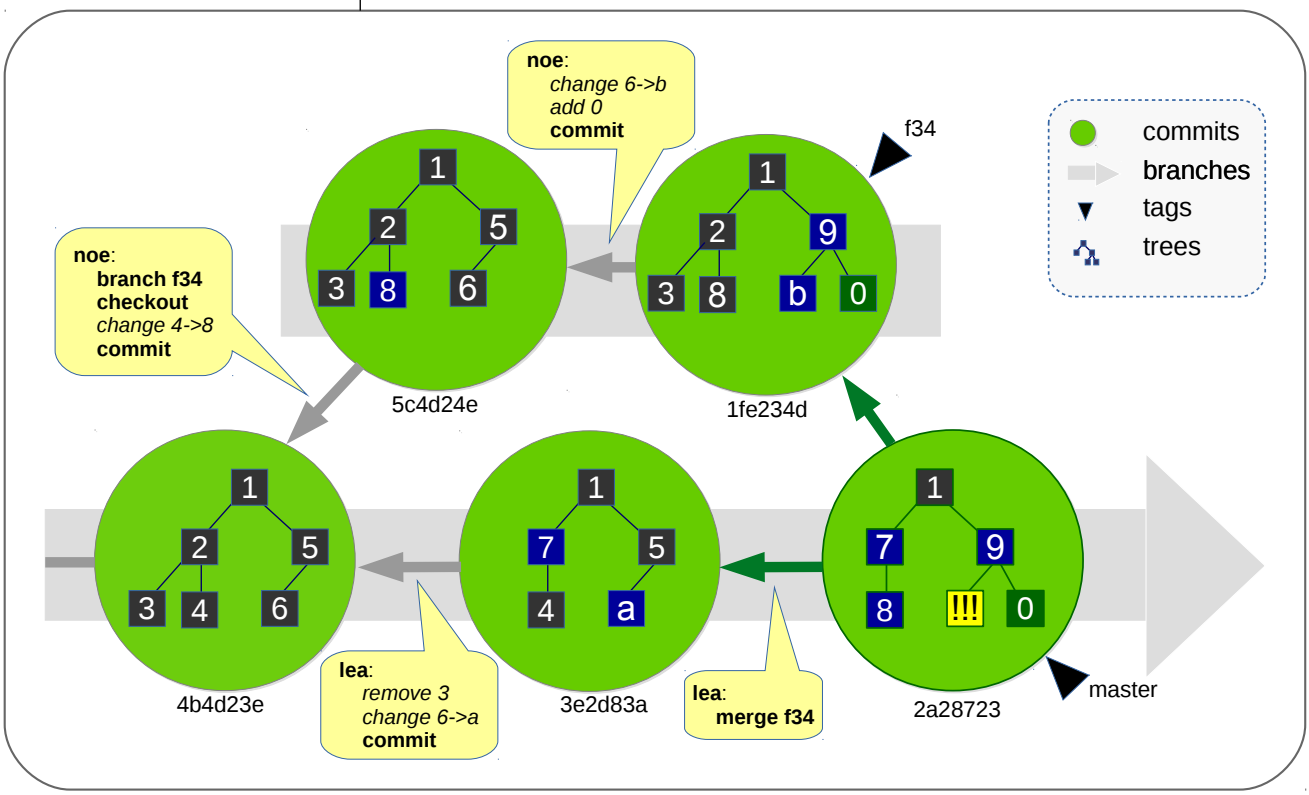

## Essentials commands

**git status**
**git add** *<files>*
**git commit -m** *<message>*
**git pull** *<remote>* *<branch>*
**git push** *<remote>* *<branch>*

**git init**
**git clone** *<url>*
**git remote add** *<name>* *<url>*

**git branch**
**git branch** <name>
**git checkout** <branch>
**git merge** <branch>



# Git Workflows

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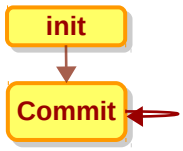
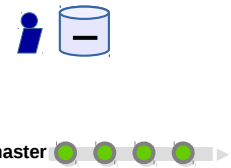
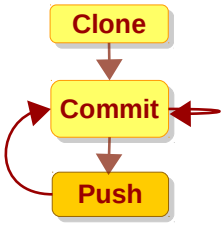
## Private workflow



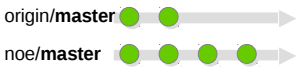

- 1 developer
- 1 private repository
- 1 branch (master)
- git only



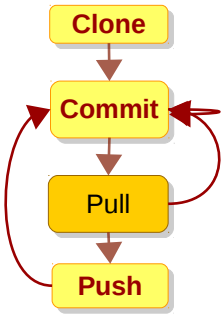

## Public workflow



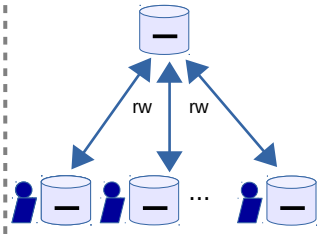

- 1 developer
- 1 public repository
- 1 private repository
- 1 branch (master)
- git (+ github)

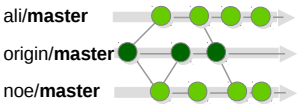



## Shared master workflow

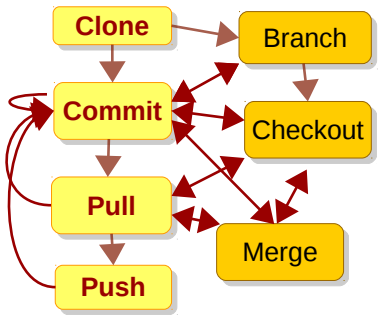



- n developers
- 1 shared repository
- m private repositories
- 1 global "master" branch
- 1 "master" branch per user
- git (+ github)

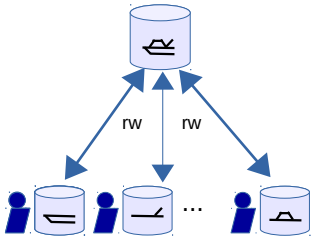


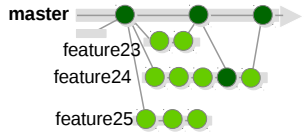

## Branch workflows



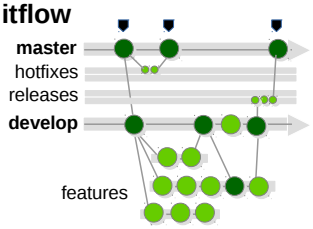

- n developers
- 1 shared repository
- m private repositories
- 1 "master" branch
- 1n branch per feature
- git (+ github)




### Feature branches




### gitflow

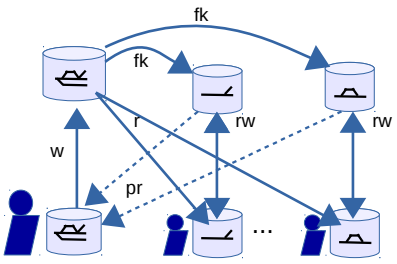



**Key:**

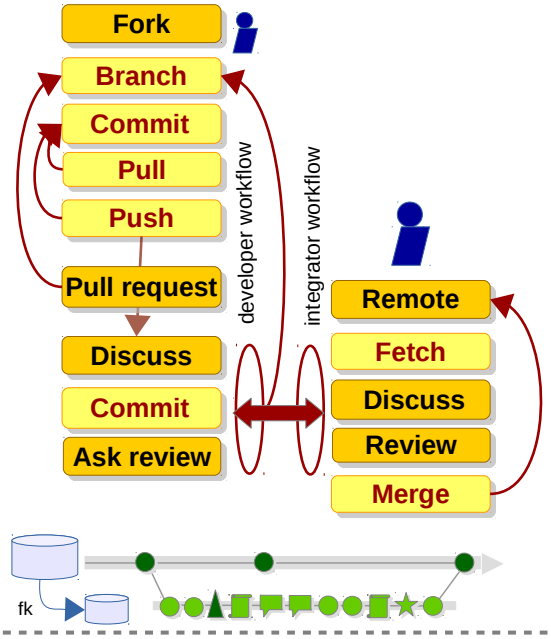
- developer
- integration manager
- repository
- init — git command
- long-lived branch
- short-lived branch
- commit
- merge

- **r** read
- **w** write
- **fk** fork
- **pr** pull request
- release
- pull request
- review
- discussion
- test

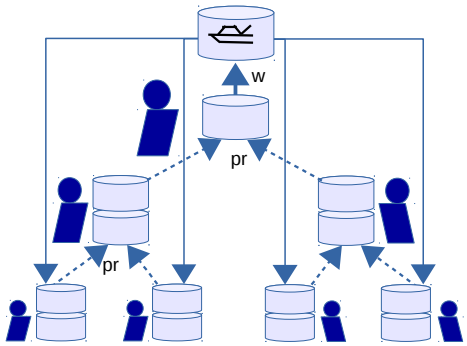
## Integration Manager workflow




- small/medium open source projects
- 1 blessed repository
- 1 integration manager
- n developer
- n public repository
- n+1 private repository
- m branches
- git (+ github)




## Benevolent Dictator workflow




- large open source projects
- 1 blessed repository
- 1 benevolent dictator
- n integration managers
- m developers