

Sei (k)ein Blödmann und nimm Git!

Einführung in Versionskontrolle mit Git

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Git /gɪt/

Nomen (Britisch, Slang)

- 1. Blödmann, Depp, Idiot**

**»Ich bin ein egoistischer Bastard und
benenne alle meine Projekte nach mir selbst.
Zuerst Linux, jetzt Git.«**

– Linus Torvalds

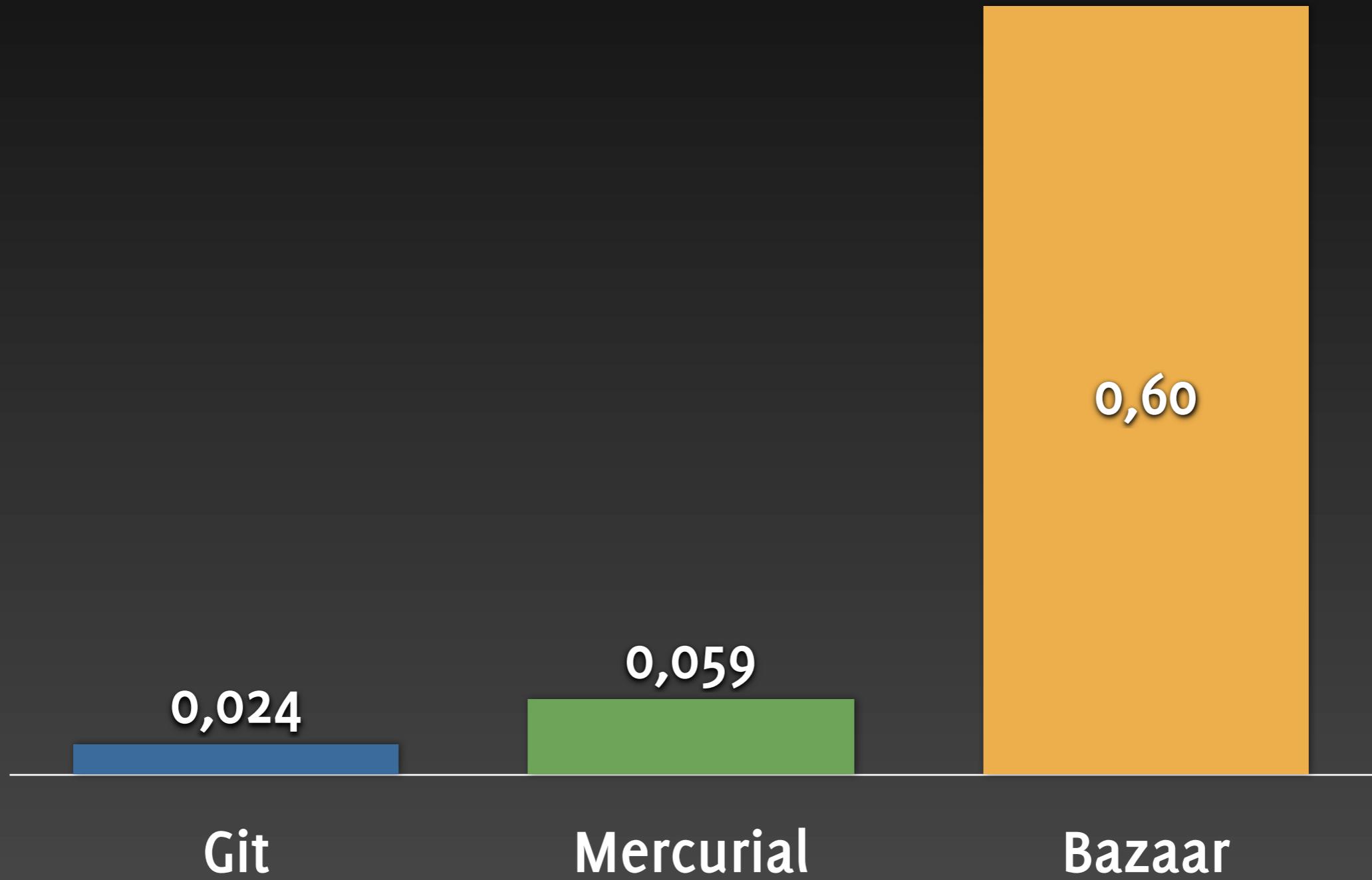


Fakten & Statistiken

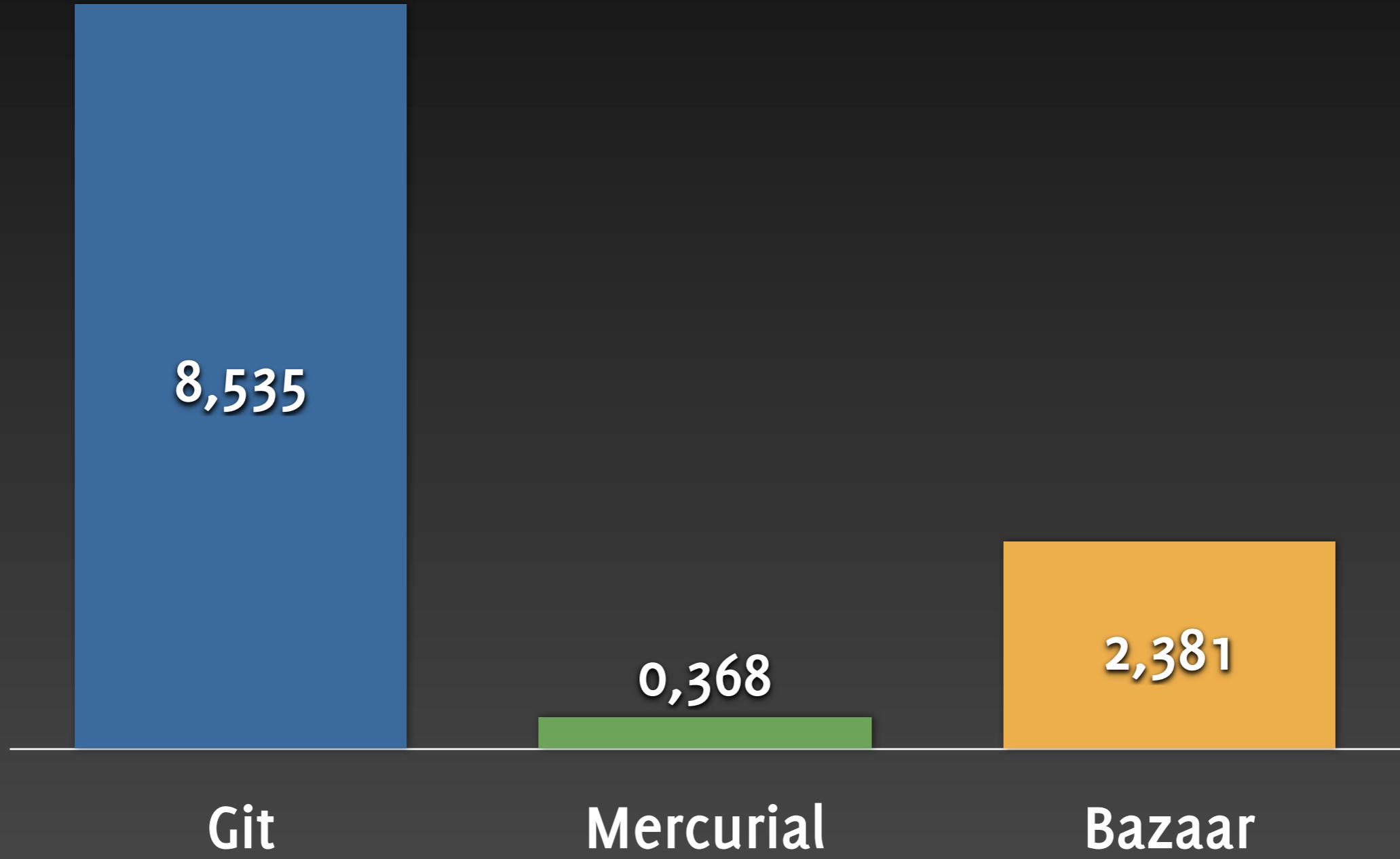
Warum Git die Mitbewerber abhängt



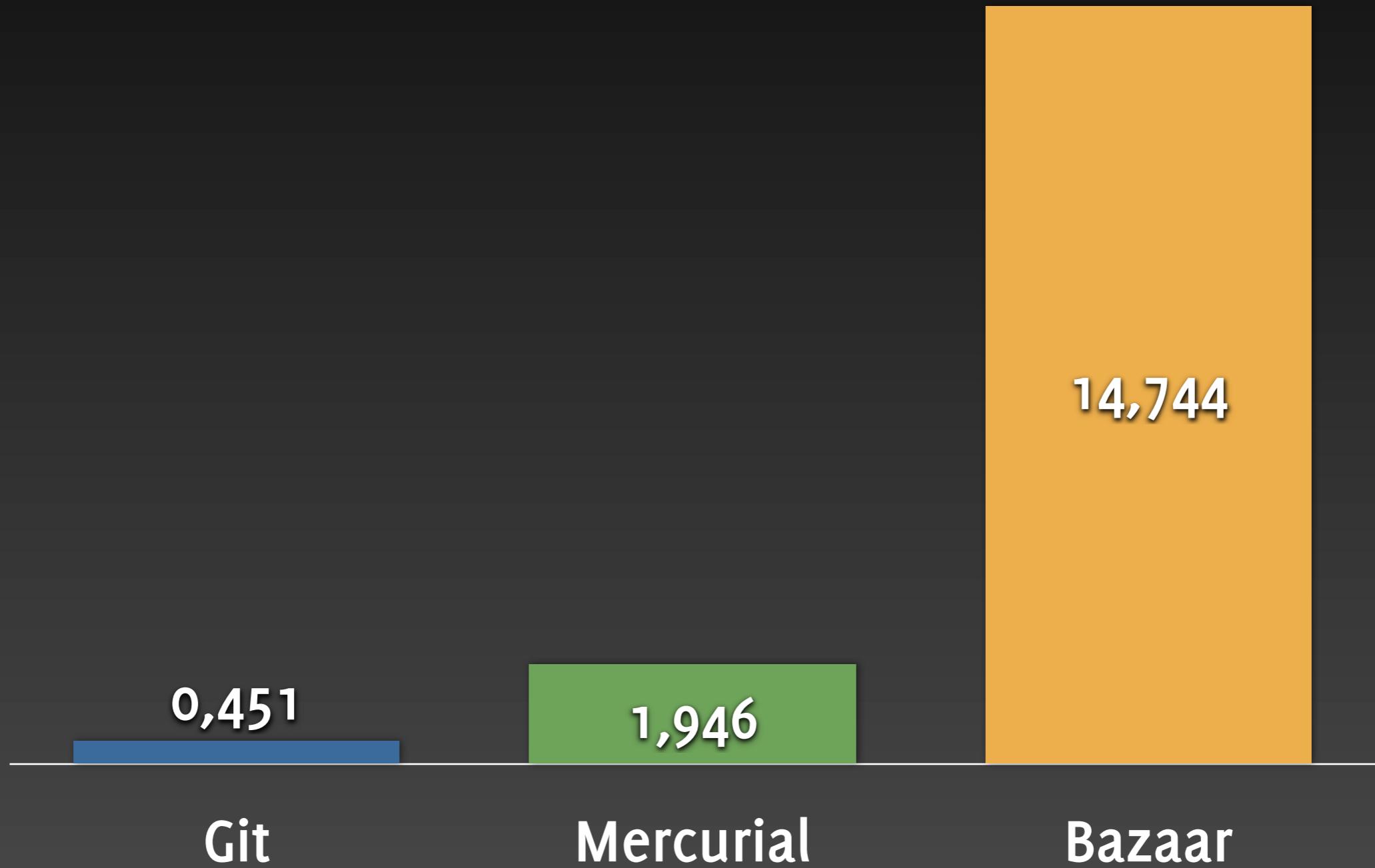
Init (Sekunden)



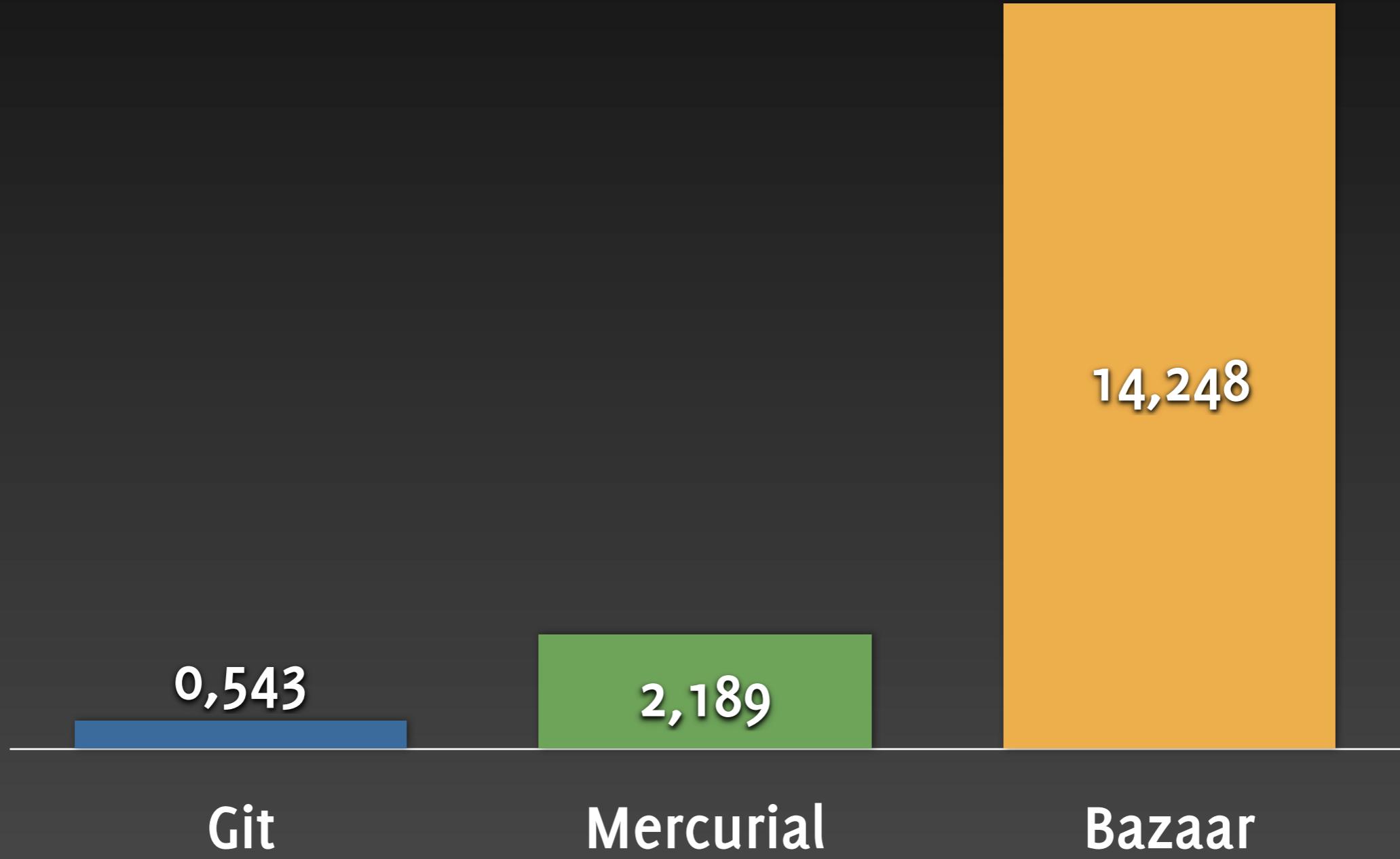
Add (Sekunden)



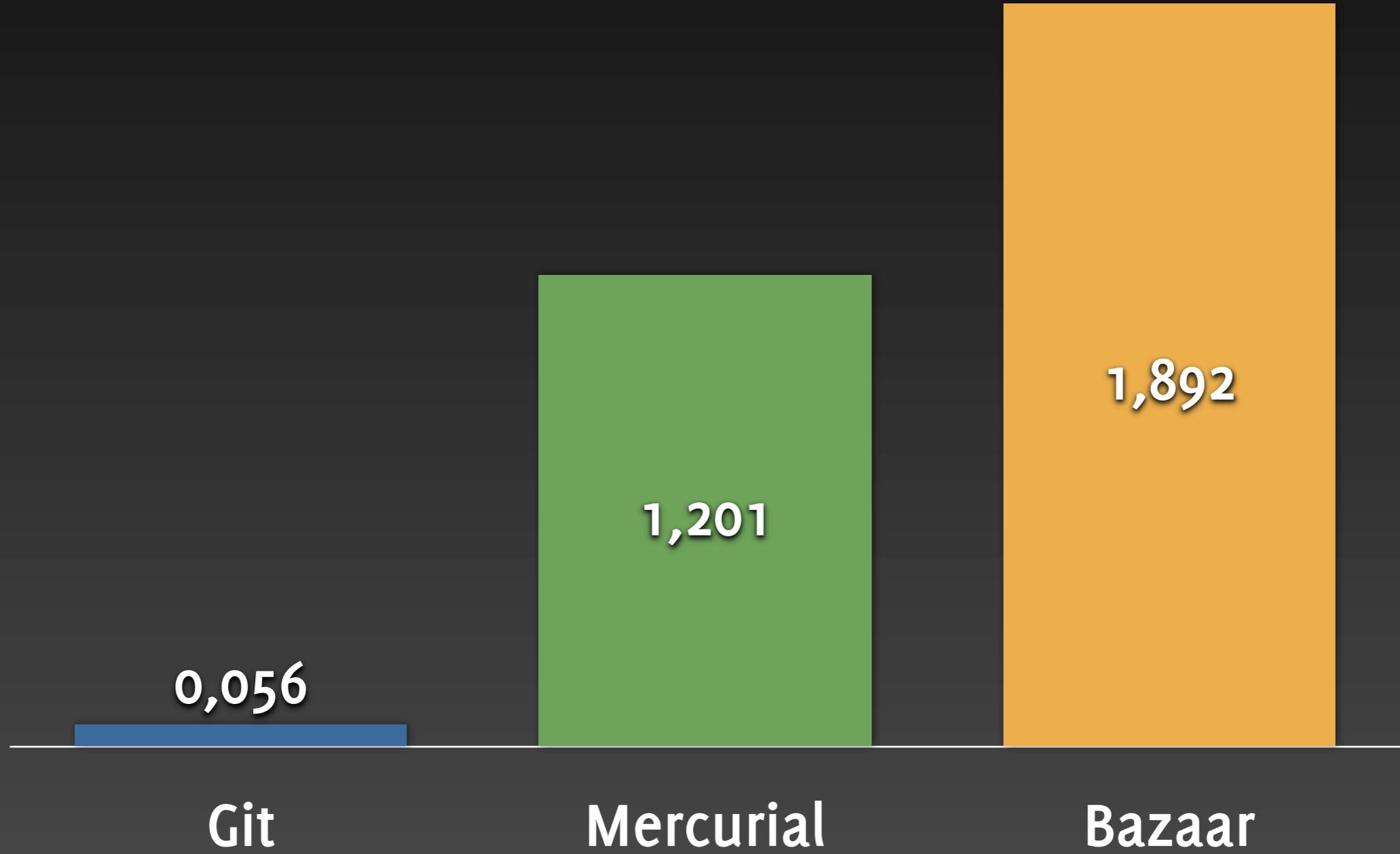
Status (Sekunden)



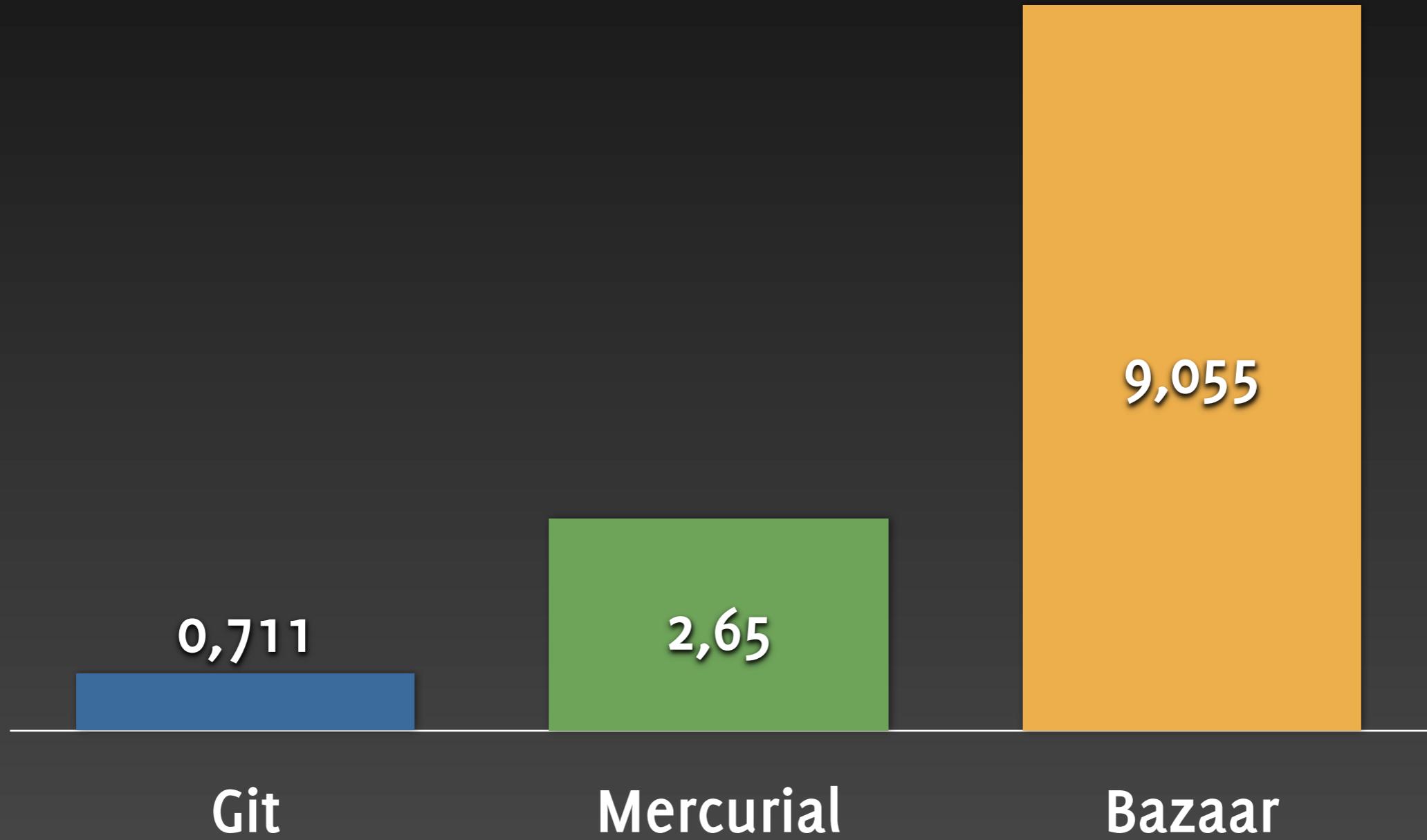
Diff (Sekunden)



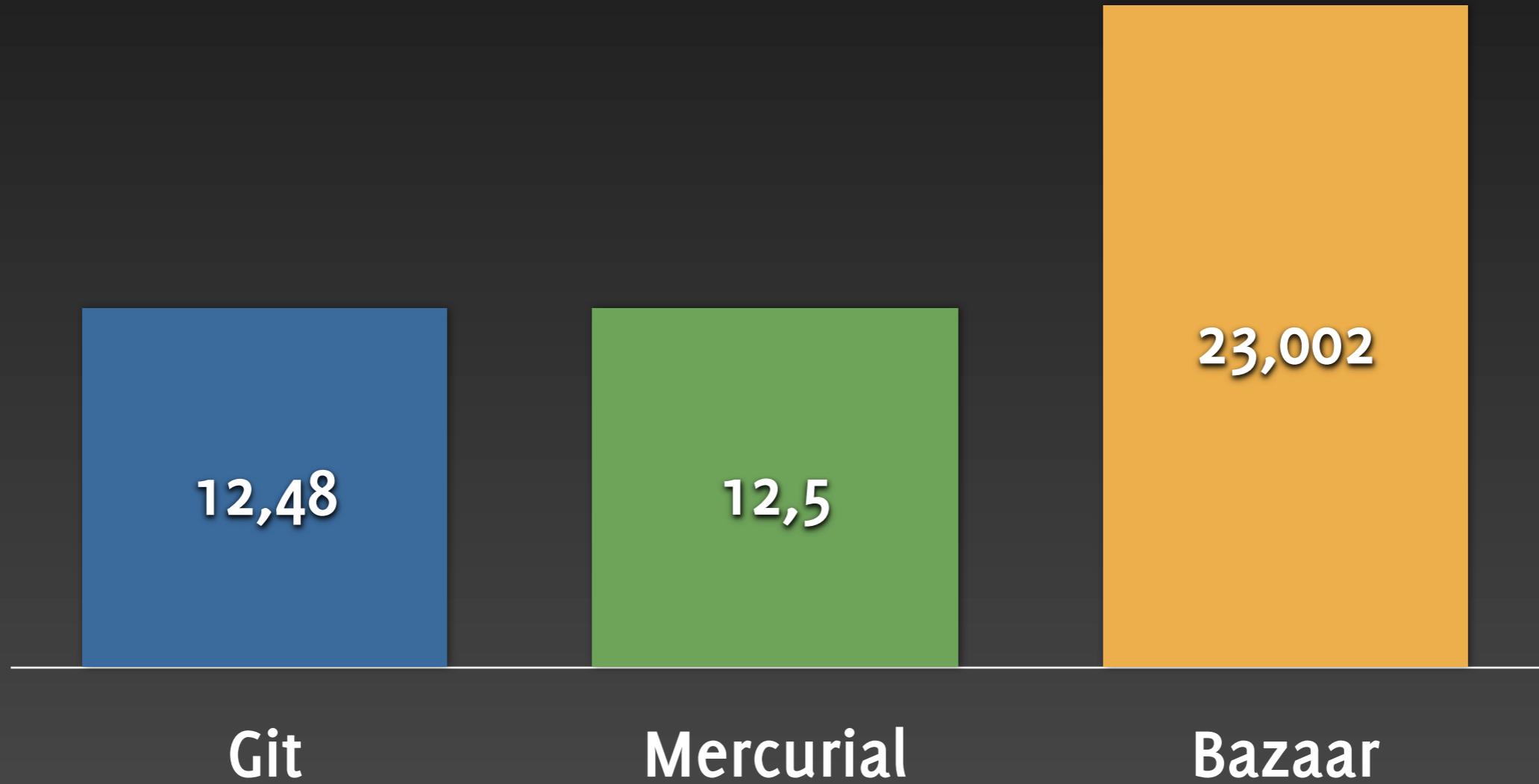
Tag (Sekunden)



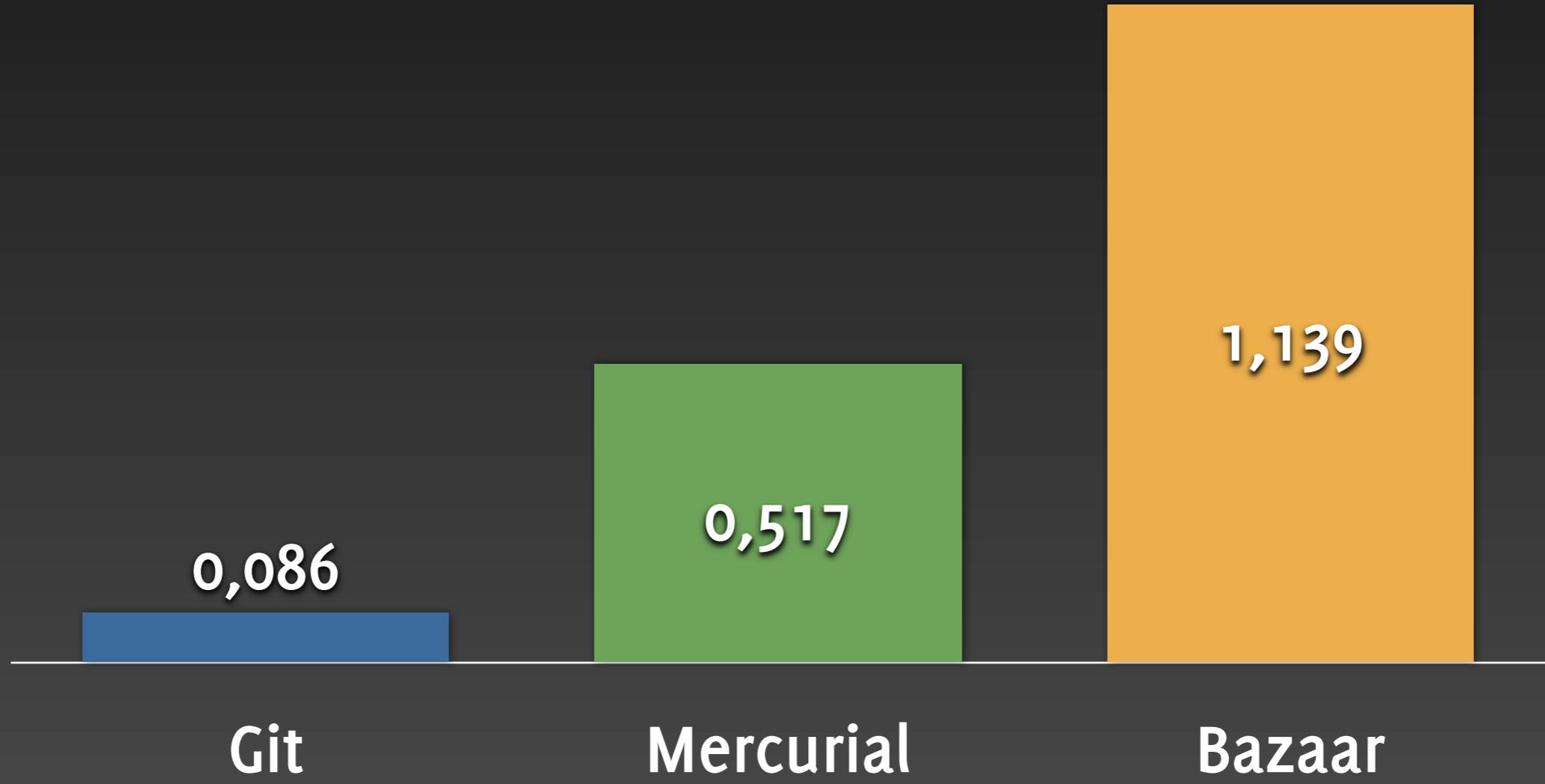
Log (Sekunden)



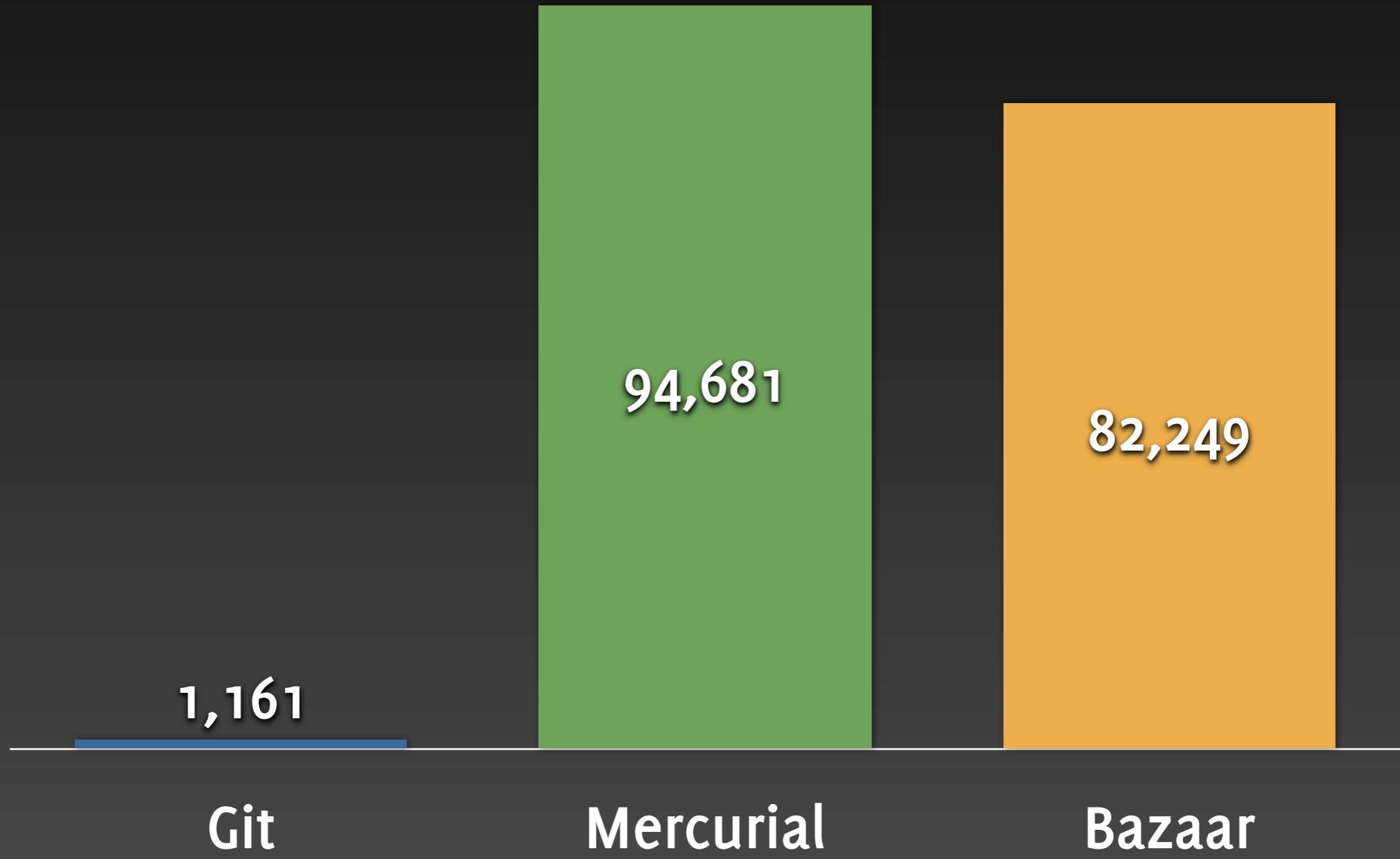
Commit, groß (Sekunden)



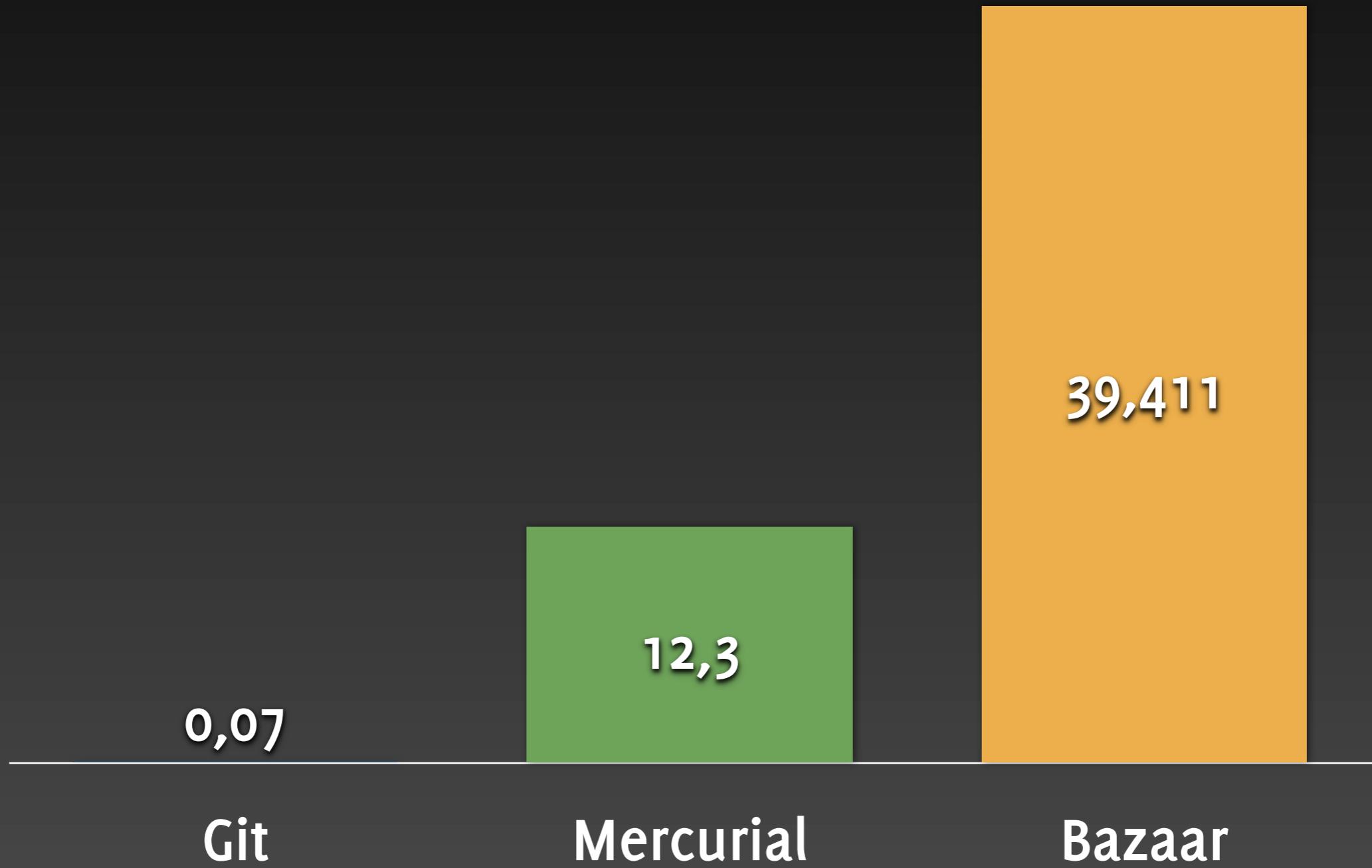
Commit, klein (Sekunden)

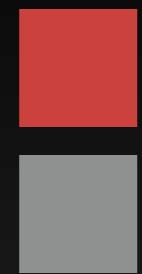


Branch, kalt (Sekunden)



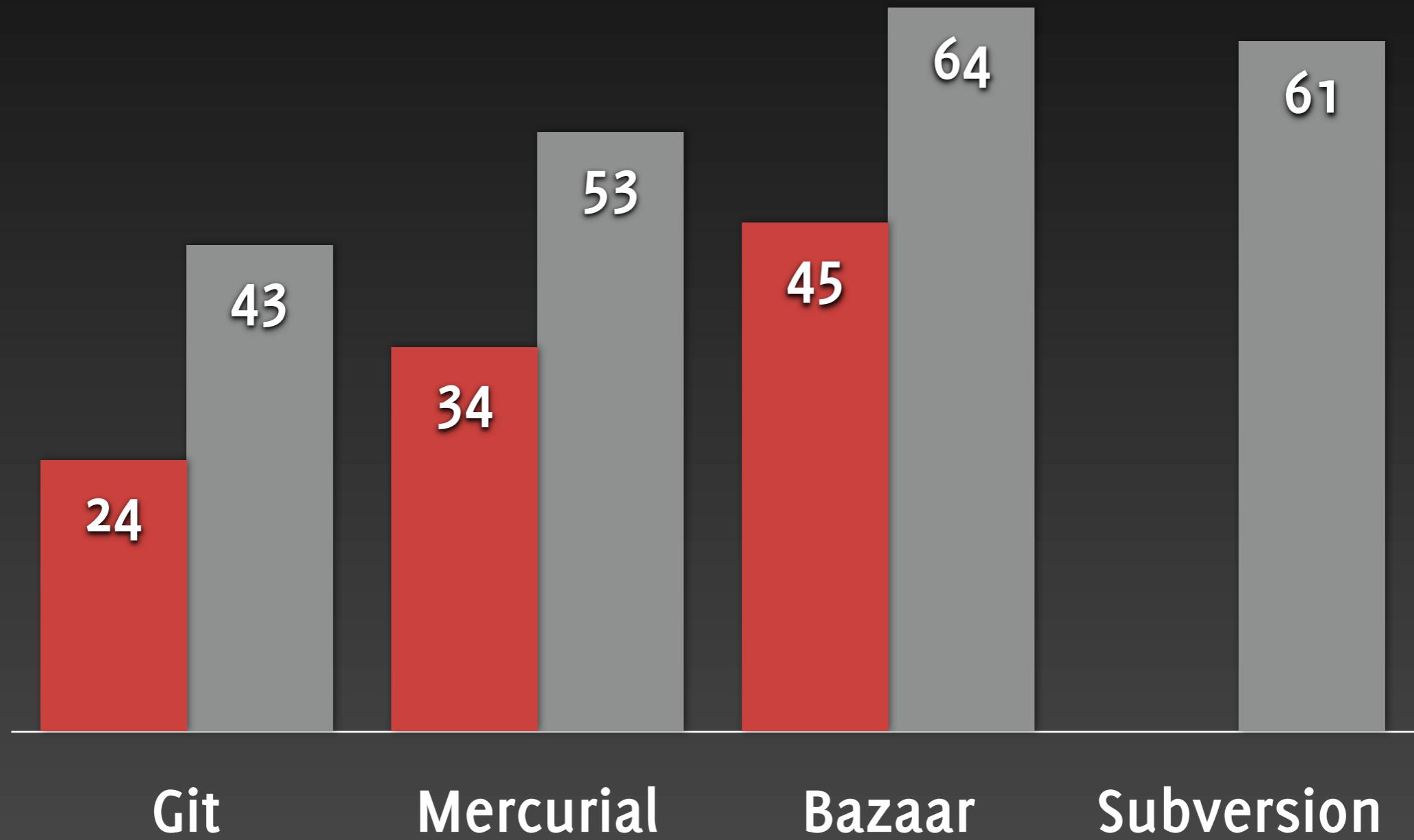
Branch, heiß (Sekunden)



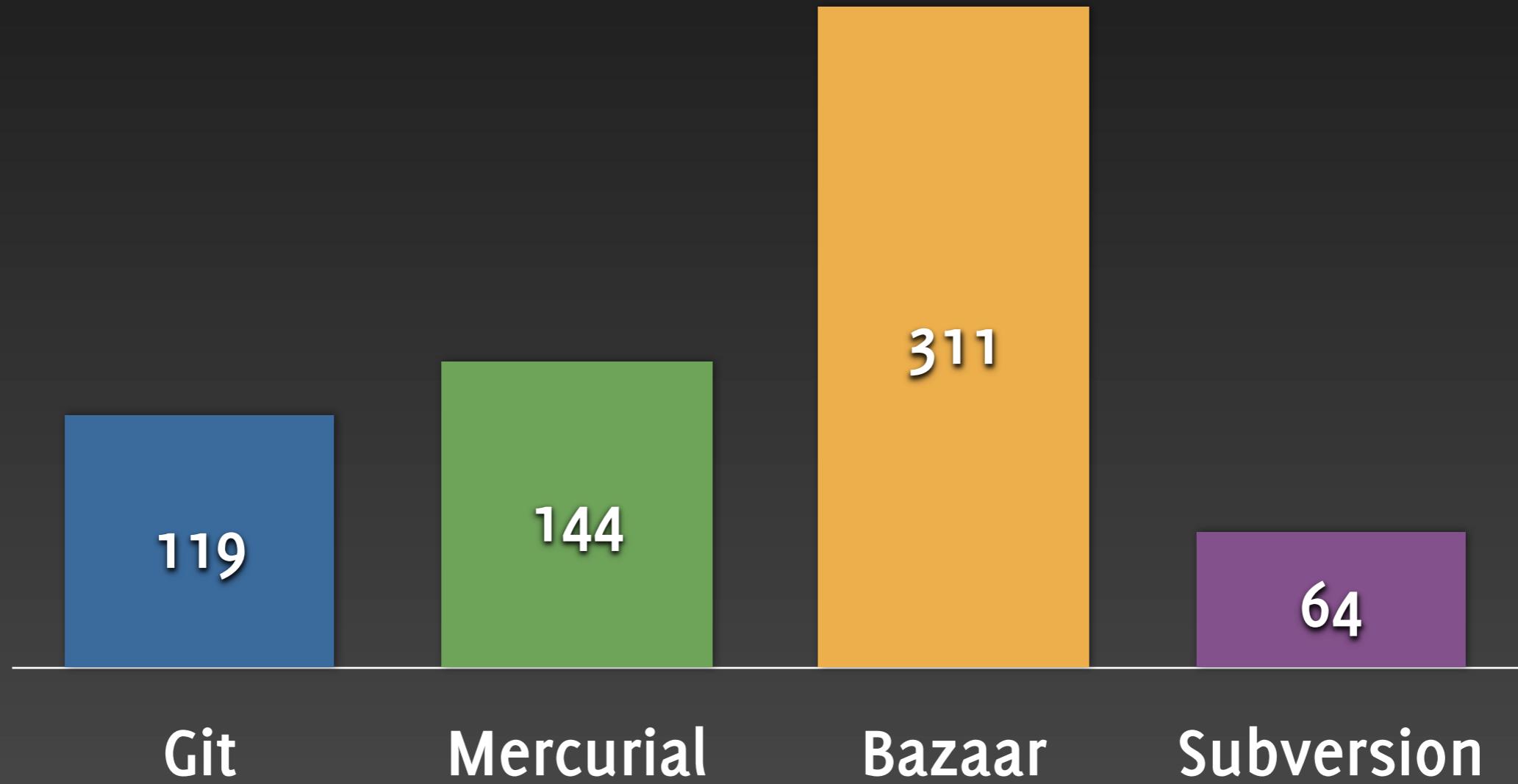


Repository (MB)

Gesamtes Verzeichnis (MB)



Clone (Sekunden)



Theorie & Grundlagen

Wer das versteht, ist klar im Vorteil ...



.git

The screenshot shows a Mac OS X application window with a dark interface. On the left is a sidebar titled ".git" containing a file tree:

- .git
- branches
- COMMIT_EDITMSG
- config (selected)
- description
- FETCH_HEAD
- HEAD
- hooks
- index
- info
- logs
- objects
 - f1
 - info
 - pack
- ORIG_HEAD
- packed-refs
- refs
 - heads
 - remotes
 - origin
 - stash
- tags

The main pane is titled "config — .git" and contains the following Git configuration file:

```
1 [core]-
2     repositoryformatversion = 0-
3     filemode = true-
4     bare = false-
5     logallrefupdates = true-
6 [remote "origin"]-
7     url = user@server.com:/repositories/repo.git-
8     fetch = +refs/heads/*:refs/remotes/origin/*
9 [branch "master"]-
10    remote = origin-
11    merge = refs/heads/master-
12
```

The status bar at the bottom shows "Line: 7 Column: 30" and "Git Config".

SHA-1

Hallo, Welt!

8095a184a9b9ae8a14a0focde697c7f7cf1410e6

~~Meta-informationen
(Datum, Name, Ort)~~

Warum?

- Konsistente Inhalte
- Gleicher Inhalt = gleicher Blob

Objekte

- blobs
- trees
- commits
- tags

Blobs

Dateiinhalte

Trees

- blobs
- trees

Commits

- tree
- parent
- author
- commiter
- message
- datetime

Tags

- object
- type
- tagger
- message

Konfiguration

Sag mir wie du heißt, Baby!



git config

```
git config --global user.name "Stefan Imhoff"  
git config --global user.email "stefan@imhoff.name"
```

A screenshot of a Mac OS X application window titled ".gitconfig". The window contains a text editor displaying a Git configuration file. The file includes sections for [user], [color], [alias], [merge], [core], [repack], [apply], and [gui]. It defines various options such as name, email, status, diff, branch, st, ci, co, tool, legacyheaders, excludesfile, usedeltabaseoffset, whitespace, fontui, and fontdiff. The code is color-coded for readability.

```
1 [user]-
2   name = Stefan Imhoff-
3   email = stefan@imhoff.name-
4 [color]-
5   status = auto-
6   diff = auto-
7   branch = auto-
8 [alias]-
9   st = status-
10  ci = commit-
11  co = checkout-
12 [merge]-
13  tool = p4merge-
14 [core]-
15  legacyheaders = false-
16  excludesfile = /Users/kogakure/.gitignore-
17 [repack]-
18  usedeltabaseoffset = true-
19 [apply]-
20  whitespace = nowarn-
21 [gui]-
22  fontui = -family Arial -size 11 -weight normal -slant roman -underline 0 -overstrike 0-
23  fontdiff = -family Monaco -size 11 -weight normal -slant roman -underline 0 -overstrike 0-
24
```

Line: 1 Column: 1 Git Config Soft Tabs: 4 user

.gitignore

A screenshot of a Mac OS X application window titled ".gitignore". The window contains a list of files and directories to be ignored by a Git repository. The entries are:

```
1 .DS_Store
2 *.pyc
3 Icon*
4 .BridgeSort
5 *.pyc
6 dev*.db
7 local_settings.py
8 Pinax.egg-info/*
9 *.egg
10 docs/.build
```

Line: 10 Column: 12 Plain Text Soft Tabs: 4 —

Tägliche Arbeit

Business, not as usual



git clone



Terminal

```
> git clone git://github.com/pinax/pinax.git
Initialized empty Git repository in /Users/kogakure/pinax/.git/
remote: Counting objects: 18962, done.
remote: Compressing objects: 100% (8695/8695), done.
remote: Total 18962 (delta 9770), reused 17482 (delta 8655)
Receiving objects: 100% (18962/18962), 9.93 MiB | 144 KiB/s, done.
Resolving deltas: 100% (9770/9770), done.
kogakure [~]
> _
```

git init



Terminal

```
> git init
Initialized empty Git repository in /Users/kogakure/projekt/.git/
kogakure [~/projekt]
> _
```

git status



Terminal

```
> git status
# On branch master
#
# Initial commit
#
# Untracked files:
#   (use "git add <file>..." to include in what will be committed)
#
#       .gitignore
#       README
nothing added to commit but untracked files present (use "git add" to track)
kogakure [~/projekt]
> _
```

Local

Working
Directory

git add



Terminal

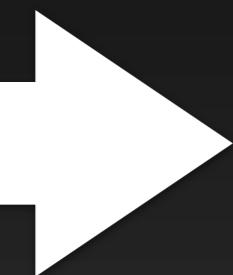
```
> git add .
kogakure [~/projekt]
> _
```

Local

Working
Directory

Staging
Area

`git add`





Terminal

```
> git status
# On branch master
#
# Initial commit
#
# Changes to be committed:
#   (use "git rm --cached <file>..." to unstage)
#
#       new file:   .gitignore
#       new file:   README
#
kogakure [~/projekt]
> _
```

git commit

Terminal

```
> git commit -m "2 neue Dateien erstellt"
[master (root-commit)]: created ccc16dc: "2 neue Dateien erstellt"
 0 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 .gitignore
 create mode 100644 README
kogakure master [~/projekt]
> _
```

Local

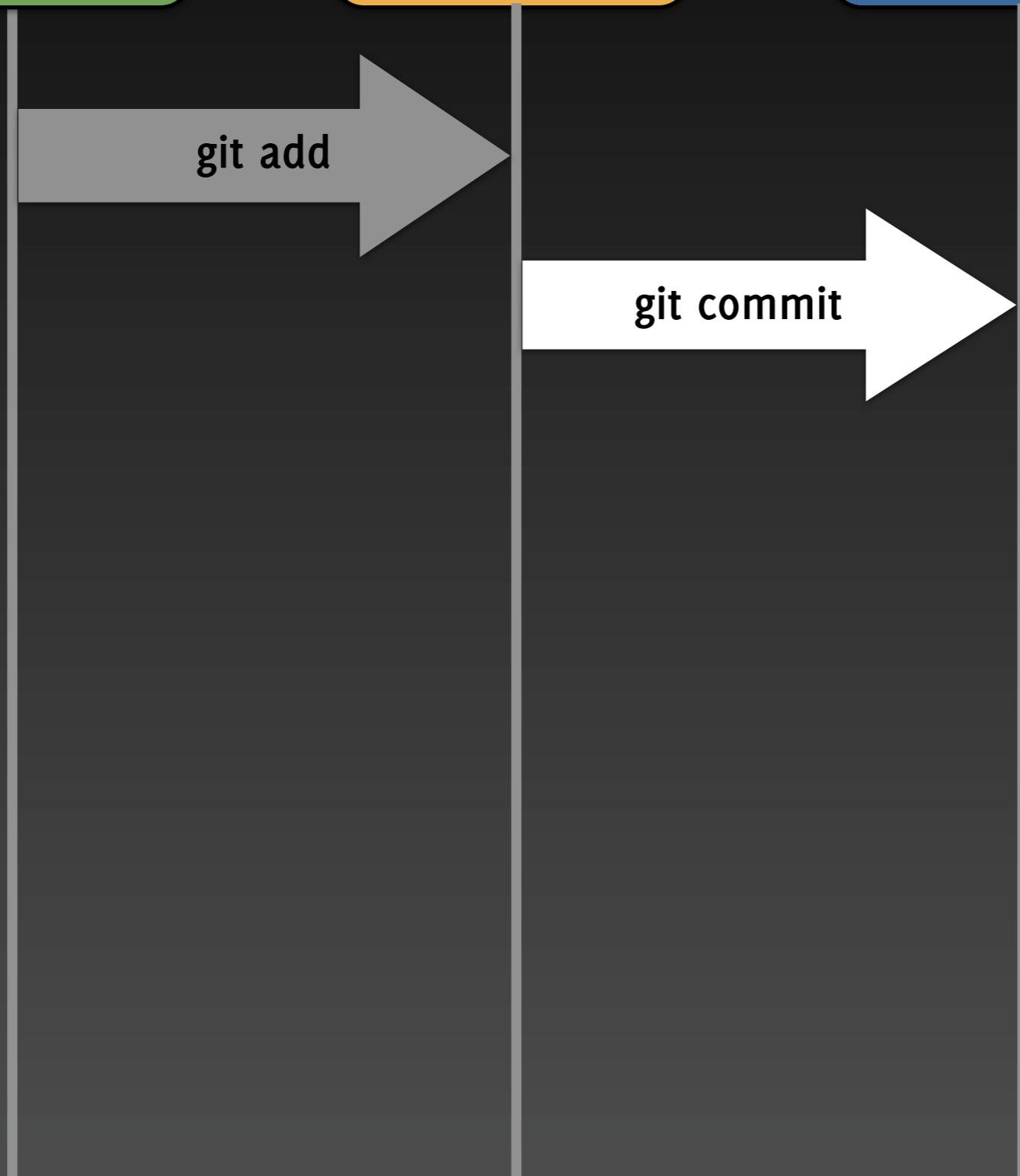
Working
Directory

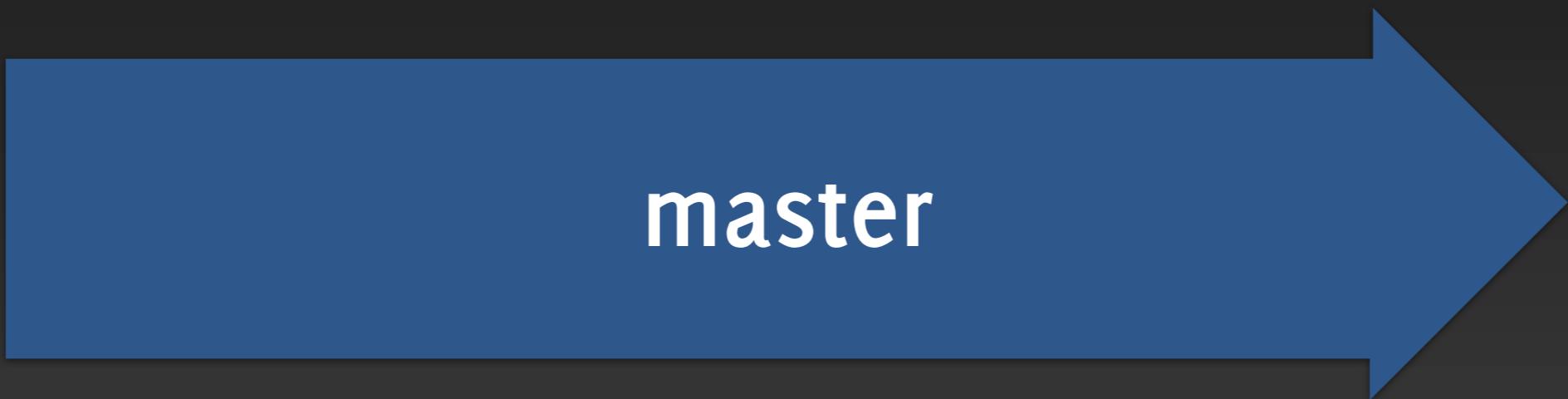
Staging
Area

Local
Repository

`git add`

`git commit`





master

git log



Terminal

```
commit 7ce0c0f999b6abb58191f89cb660f6ce5807d54a
Author: Brian Rosner <brosner@gmail.com>
Date: Thu Jul 2 21:21:12 2009 -0600
```

Wording.

```
commit fcdf4b9550300353becea076be6cc3a5026d0ab7
Author: Brian Rosner <brosner@gmail.com>
Date: Thu Jul 2 21:18:26 2009 -0600
```

Filled out more group view documentation.

```
commit 799cdbf9b6f5c7f9a19420e68dd6dac023535c5c
Author: Brian Rosner <brosner@gmail.com>
Date: Thu Jul 2 21:03:02 2009 -0600
```

Cleaned up a couple of issues in groups.txt.

```
commit 36644965b6dcc45f422b30fe5c988e35463c5f53
```

```
:
```

```
:
```

```
commit f30e4490e2peqcc42f455p30t62c088e324e3c2t23
```

Terminal

```
7ce0c0f999b6abb58191f89cb660f6ce5807d54a Wording.  
fcdf4b9550300353becea076be6cc3a5026d0ab7 Filled out more group view documentat  
799cdbf9b6f5c7f9a19420e68dd6dac023535c5c Cleaned up a couple of issues in grou  
36644965b6dcc45f422b30fe5c988e35463c5f53 Added the start of group documentatio  
3d96791ef0f734035d821ad2d2c17f46f0e7d68e Corrected the group url reverse for T  
4b5f4213fadf525fa81e1782deccf7b45aa2f9bc Expose {% block extra_body %} to chil  
d0472619fd679abee4f312a23f02fd29689b8661 Renamed projects and tribes media dir  
25292e757f3f81e9b1693a1db1a2d64cd961f440 Fixed some more {% task_tags %}  
2bdf169a9e4f0bef3e46aabdc8230c60884c810 Use django-markdown over django-templ  
3f53154d047b3e399ec9dbc7f89336fe303f6ab4 Added group from context to more {% t  
7be78b9168e1465274227fec7c57ec48d815ca27 Use correct values for markup going f  
79711024cea86278b1e88a1cfb1669d983c90d46 Removed the dependancy on wiki from t  
6d5ef55b98ee68d51be2834e618a9ee22a902fbe Compatibility layer for template_util  
ac9fd2d2df860f8d1d6cae655abd80a4865ef3ce Added missing threadedcomments code_p  
60e7e3a0ebdad26fe524b9d221b089b9e4f596e9 Pass group to {% task_tags %}.  
d3cde5e4c8d74bd669f07e383c12e7eee2b84b14 Added django.contrib.markup to code_p  
99888ef33f3f3cd4825a2a3a351368736a21fa09 Use bridge.reverse in required places  
345686970e4498ee0a0403b6030e2bd5bc772b4e Fixed a dumb typo.  
bb00a56c6a667a8c7c97d8c8daaaa6d5a9341bc Added ContentBridge.reverse to handle  
:_
```

git rm



Terminal

```
> git rm README
rm 'README'
kogakure master [~/projekt]
> _
```



Terminal

```
> git status
# On branch master
# Changes to be committed:
#   (use "git reset HEAD <file>..." to unstage)
#
#       deleted:    README
#
kogakure master [~/projekt]
>
```

git diff

Terminal

```
diff --git a/README b/README
index 33607d0..100b938 100644
--- a/README
+++ b/README
@@ -1 +1 @@
-Hallo, Welt!
\ No newline at end of file
+README
\ No newline at end of file
kogakure master [~/projekt]
> _
```

```
>
kogakure master [~/projekt]
/ No newline at end of file
```

git branch



Terminal

```
> git branch -a
* master
kogakure master [~/projekt]
> _
```



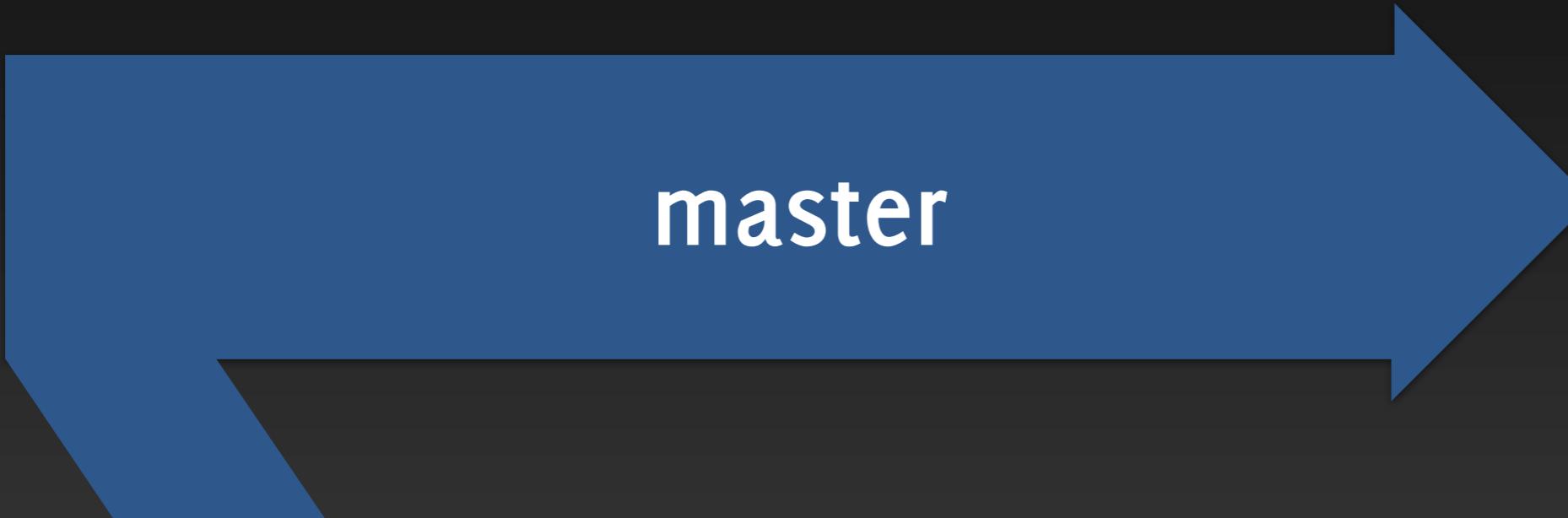
Terminal

```
> git branch neuerzweig  
kogakure master [~/projekt]  
> _
```

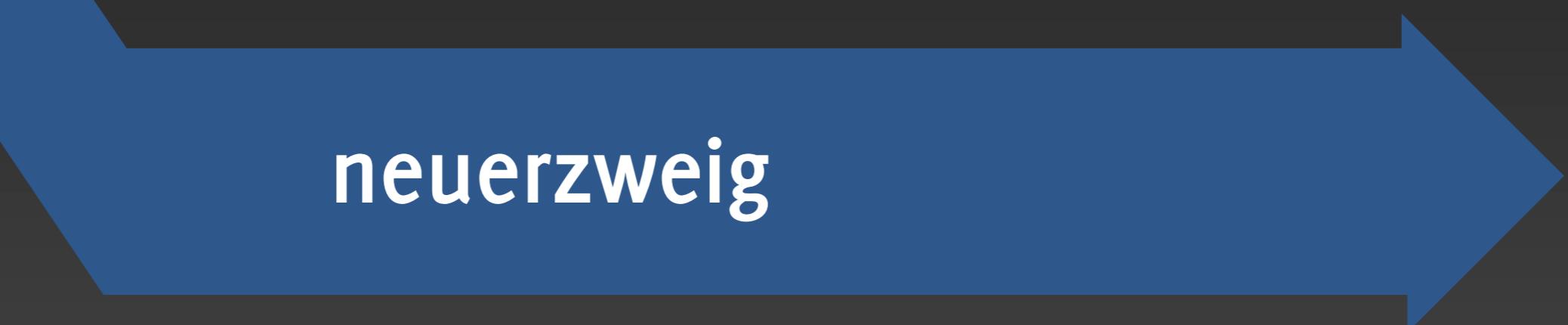


Terminal

```
> git branch -a
* master
  neuerzweig
kogakure master [~/projekt]
>
```



master



neuerzweig

git checkout



Terminal

```
> git checkout neuerzweig
Switched to branch "neuerzweig"
kogakure neuerzweig [~/projekt]
> _
```



Terminal

```
> git branch -a
  master
* neuerzweig
kogakure neuerzweig [~/projekt]
> _
```



Terminal

```
> git checkout -b neuerzweig
Switched to a new branch "neuerzweig"
kogakure neuerzweig [~/projekt]
> _
```

Local

Working
Directory

Staging
Area

Local
Repository

`git add`

`git commit`

`git checkout`

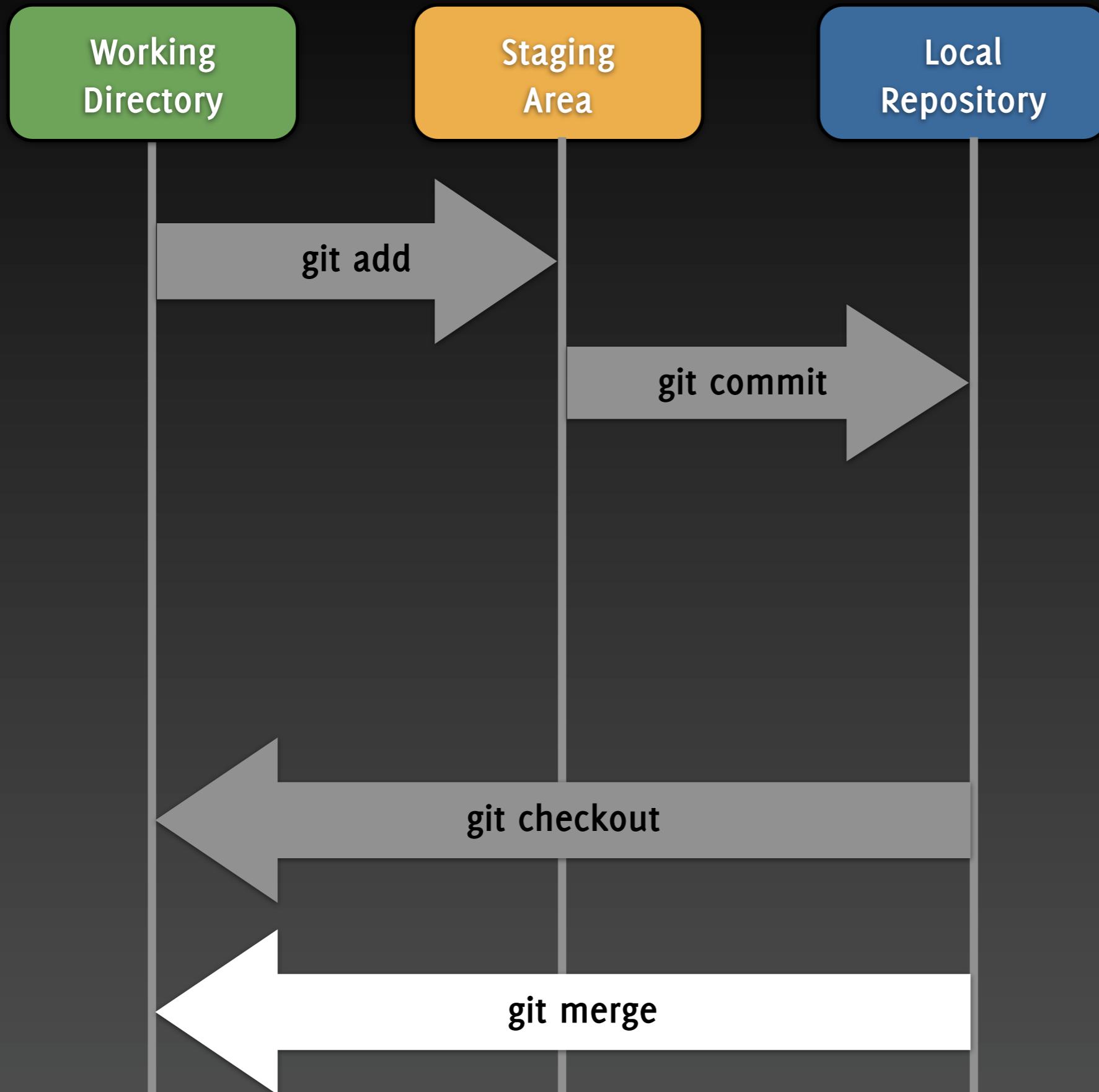
git merge



Terminal

```
> git checkout master
Switched to branch "master"
kogakure master [~/projekt]
> git merge neuerzweig
Updating 883eeee..467acdd
Fast forward
 README |    3 +-+
 1 files changed, 2 insertions(+), 1 deletions(-)
kogakure master [~/projekt]
> _
```

Local





master



neuerzweig



Terminal

```
> git branch -d neuerzweig
Deleted branch neuerzweig (467acdd).
kogakure master [~/projekt]
> _
```

git tag



Terminal

```
> git tag v1.0
kogakure master [~/projekt]
> git tag -l
v1.0
kogakure master [~/projekt]
> _
```

Probleme & Wartung

Keine Panik auf der Titanic



git commit --amend

Terminal

```
> git commit -a -m "Ändrung an der README-DAtei"
[master]: created de99643: "Ändrung an der README-DAtei"
  1 files changed, 1 insertions(+), 1 deletions(-)
kogakure master [~/projekt]
> _
```

Terminal

```
> git commit --amend -m "Änderung an der README-Datei"
[master]: created b3b18da: "Änderung an der README-Datei"
  1 files changed, 1 insertions(+), 1 deletions(-)
kogakure master [~/projekt]
> _
```

git checkout



Terminal

```
> git status
# On branch master
# Changed but not updated:
#   (use "git add <file>..." to update what will be committed)
#   (use "git checkout -- <file>..." to discard changes in working directory)
#
#       modified:   README
#
no changes added to commit (use "git add" and/or "git commit -a")
kogakure master [~/projekt]
> git checkout README
kogakure master [~/projekt]
> git status
# On branch master
nothing to commit (working directory clean)
kogakure master [~/projekt]
> _
```

git reset



Terminal

```
> git reset --hard HEAD~2
HEAD is now at ccc16dc 2 neue Dateien erstellt
kogakure master [~/projekt]
> _
```

git blame

Terminal

```
457e754a (James Tauber 2008-10-03 05:07:03 +0000 1) Pinax was started by Jam
457e754a (James Tauber 2008-10-03 05:07:03 +0000 2)
457e754a (James Tauber 2008-10-03 05:07:03 +0000 3) The PRIMARY AUTHORS are:
457e754a (James Tauber 2008-10-03 05:07:03 +0000 4)
457e754a (James Tauber 2008-10-03 05:07:03 +0000 5) * James Tauber
457e754a (James Tauber 2008-10-03 05:07:03 +0000 6) * Greg Newman
457e754a (James Tauber 2008-10-03 05:07:03 +0000 7) * Brian Rosner
457e754a (James Tauber 2008-10-03 05:07:03 +0000 8) * Jannis Leidel
457e754a (James Tauber 2008-10-03 05:07:03 +0000 9) * Eric Florenzano
ad783942 (Brian Rosner 2009-03-31 21:33:50 -0500 10) * Danny Greenfeld
457e754a (James Tauber 2008-10-03 05:07:03 +0000 11)
457e754a (James Tauber 2008-10-03 05:07:03 +0000 12)
457e754a (James Tauber 2008-10-03 05:07:03 +0000 13) ADDITIONAL CONTRIBUTORS
457e754a (James Tauber 2008-10-03 05:07:03 +0000 14)
457e754a (James Tauber 2008-10-03 05:07:03 +0000 15) * Eduardo de Oliveira
457e754a (James Tauber 2008-10-03 05:07:03 +0000 16) * Doug Napoleone
457e754a (James Tauber 2008-10-03 05:07:03 +0000 17) * Michael Trier
457e754a (James Tauber 2008-10-03 05:07:03 +0000 18) * Alex Gaynor
457e754a (James Tauber 2008-10-03 05:07:03 +0000 19) * Bob Haugen
:_
```

```
4216124a (James Tauber 2008-10-03 02:01:03 +0000 16) * Bob Haugen
4216124a (James Tauber 2008-10-03 02:01:03 +0000 18) * Alex Gaynor
4216124a (James Tauber 2008-10-03 02:01:03 +0000 19) * Michael Trier
```

git revert

Terminal

```
> git revert f81b93a31b4709a2b4510e76e8e68ee6130f5a82
Automatic revert failed. After resolving the conflicts,
mark the corrected paths with 'git add <paths>' or 'git rm <paths>' and commit
the result.
kogakure master [~/projekt]
> _
```

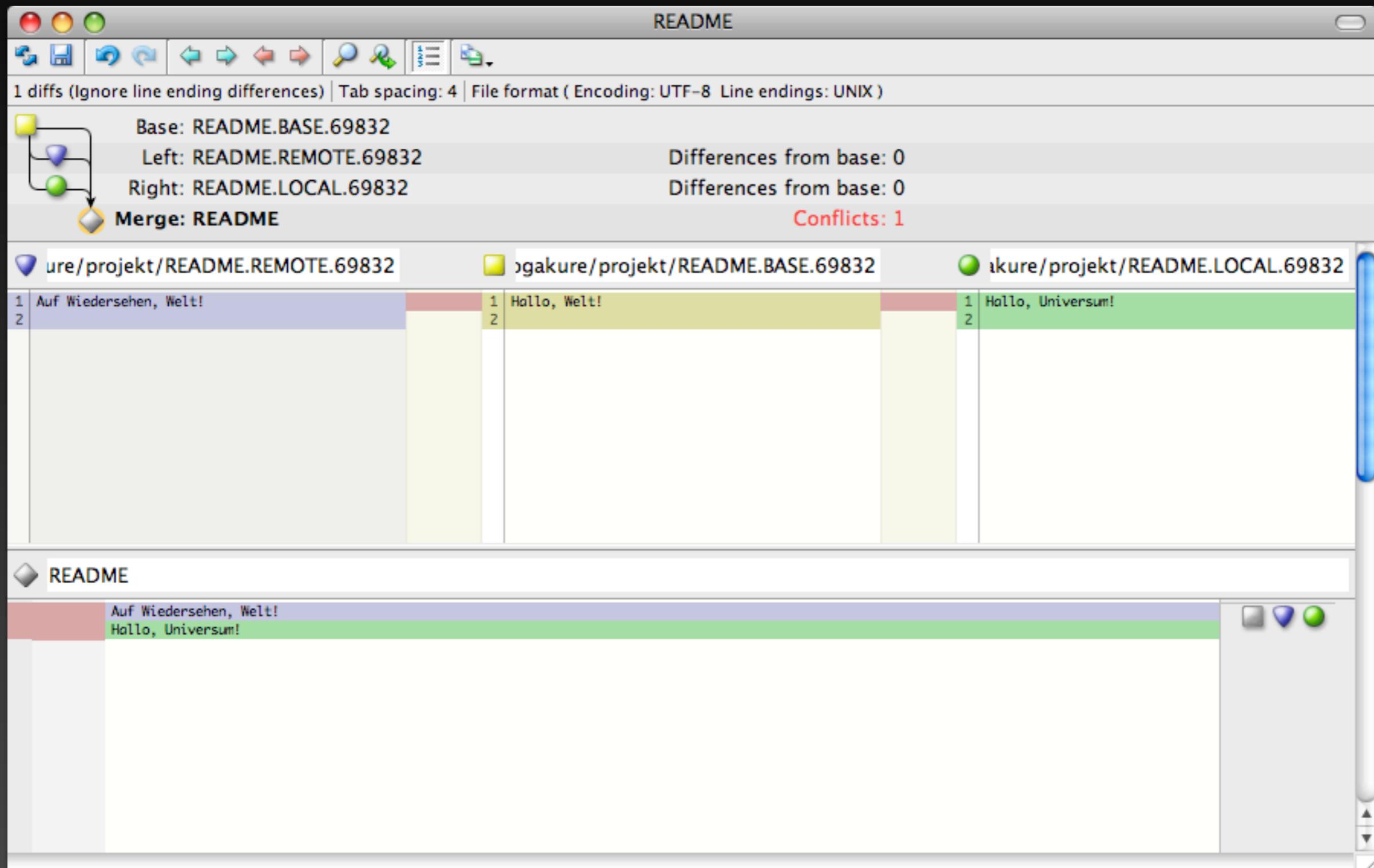
git mergetool



Terminal

```
> git merge neuerzweig
Auto-merging README
CONFLICT (content): Merge conflict in README
Automatic merge failed; fix conflicts and then commit the result.
kogakure master [~/projekt]
> git mergetool
Merging the files: README

Normal merge conflict for 'README':
{local}: modified
{remote}: modified
Hit return to start merge resolution tool (p4merge): _
```



git bisect



Good

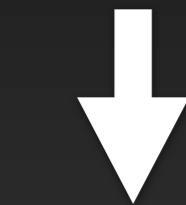


?

Bad



Good



Good

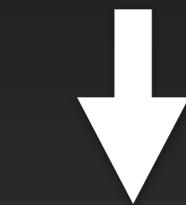


?

Bad



Good



Good



?

Bad



git gc



Terminal

```
> git gc
Counting objects: 18962, done.
Compressing objects: 100% (7580/7580), done.
Writing objects: 100% (18962/18962), done.
Total 18962 (delta 9770), reused 18962 (delta 9770)
kogakure master [~/pinax]
> _
```

Remote

E.T. nach Hause telefonieren



Lokales Repository
veröffentlichen



Terminal

```
> git clone --bare -l .git/ ~/projekt.git
Initialized empty Git repository in /Users/kogakure/projekt.git/
kogakure master [~/projekt]
> _
```



Terminal

```
> touch ~/projekt.git/git-daemon-export-ok
kogakure master [~/projekt]
> _
```



Terminal

```
> cd ~/projekt.git/  
kogakure master [~/projekt.git]  
> git --bare update-server-info  
kogakure master [~/projekt.git]  
> _
```



Terminal

```
> cp hooks/post-update.sample hooks/post-update
kogakure master [~/projekt.git]
> chmod a+x hooks/post-update
kogakure master [~/projekt.git]
> _
```

git remote



Terminal

```
> git remote add macbook /Users/kogakure/pinax.git  
kogakure master [~/pinax]  
> _
```

The image shows a screenshot of a Mac OS X desktop environment. A window titled "config" is open, displaying a text file with Git configuration settings. The file content is as follows:

```
1 [core]-
2   repositoryformatversion = 0-
3   filemode = true-
4   bare = false-
5   logallrefupdates = true-
6   ignorecase = true-
7 [remote "origin"]-
8   url = git://github.com/pinax/pinax.git-
9   fetch = +refs/heads/*:refs/remotes/origin/*
10 [branch "master"]-
11   remote = origin-
12   merge = refs/heads/master-
13 [remote "macbook"]-
14   url = /Users/kogakure/pinax.git-
15   fetch = +refs/heads/*:refs/remotes/macbook/*-
16
```

The window has the standard OS X title bar with red, yellow, and green buttons. The status bar at the bottom shows "Line: 1 Column: 1 Git Config" and "Soft Tabs: 4 core".

git fetch



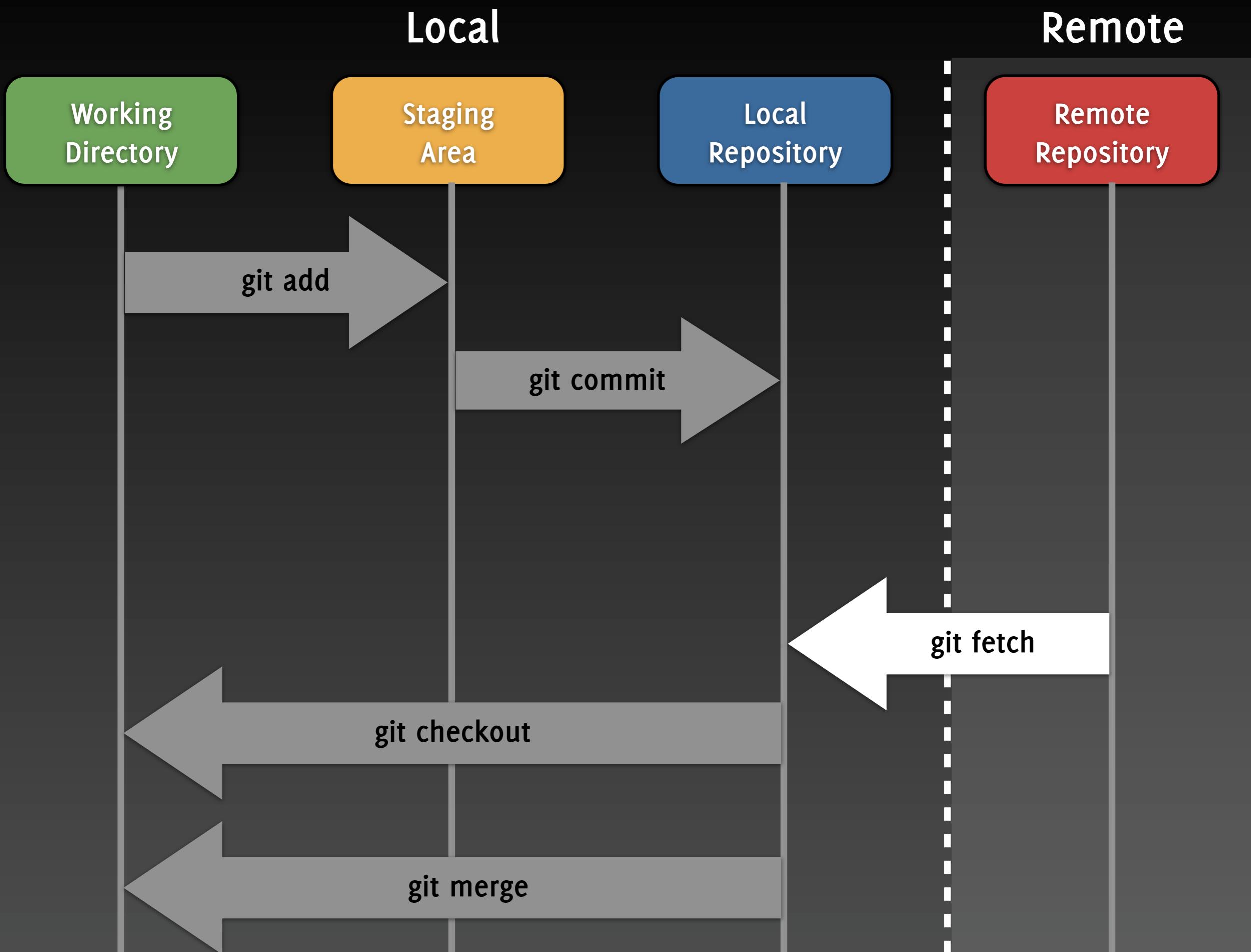
Terminal

```
> git fetch macbook
From /Users/kogakure/pinax
 * [new branch]      master    -> macbook/master
kogakure master [~/pinax]
> _
```



Terminal

```
> git branch -a
* master
  macbook/master
  origin/0.5.X
  origin/HEAD
  origin/master
  origin/newthreadedcomments
  origin/pinax_makemessages
kogakure master [~/pinax]
> _
```

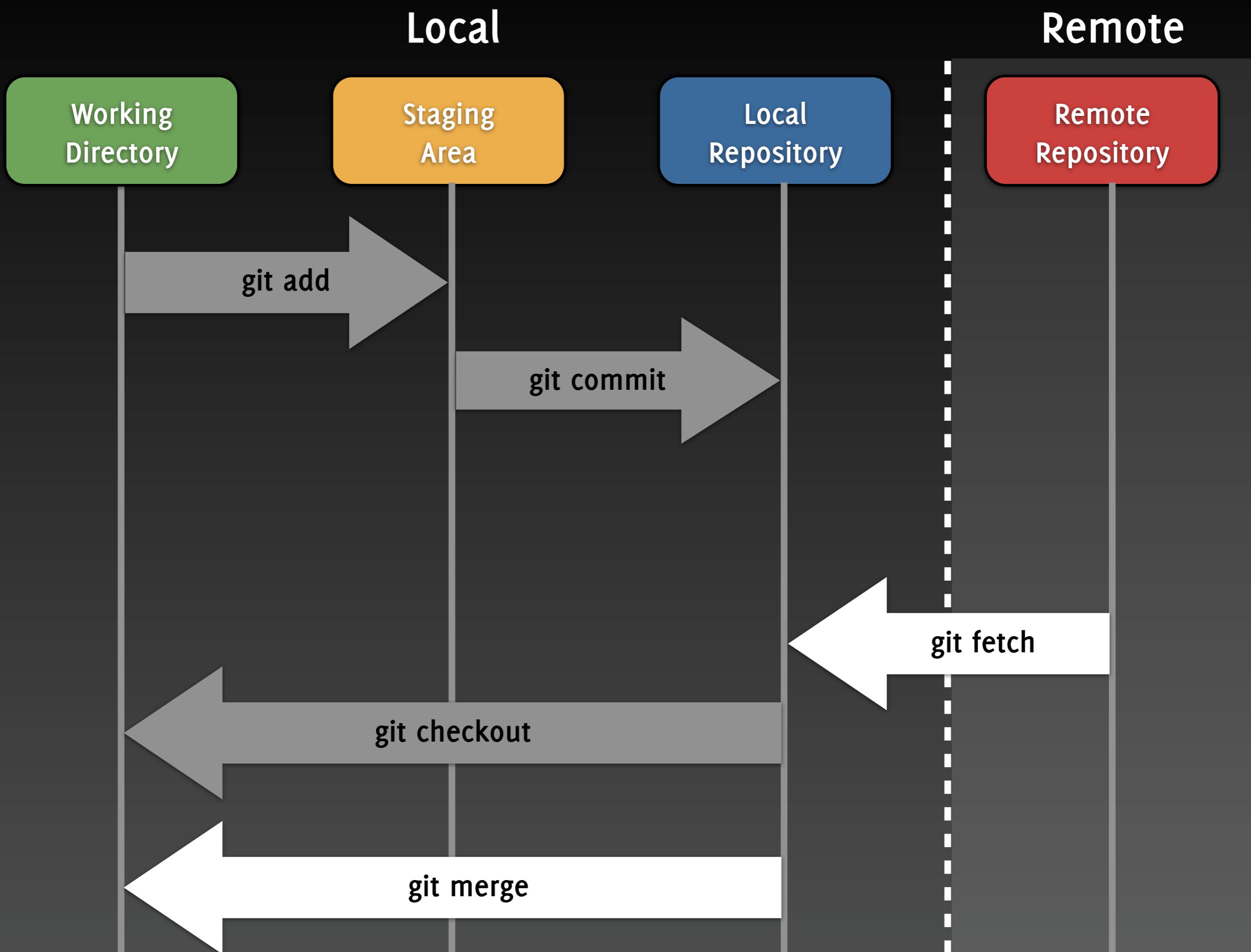


git pull



Terminal

```
> git pull macbook master
From /Users/kogakure/pinax
 * branch           master      -> FETCH_HEAD
Already up-to-date.
kogakure master [~/pinax]
> _
```

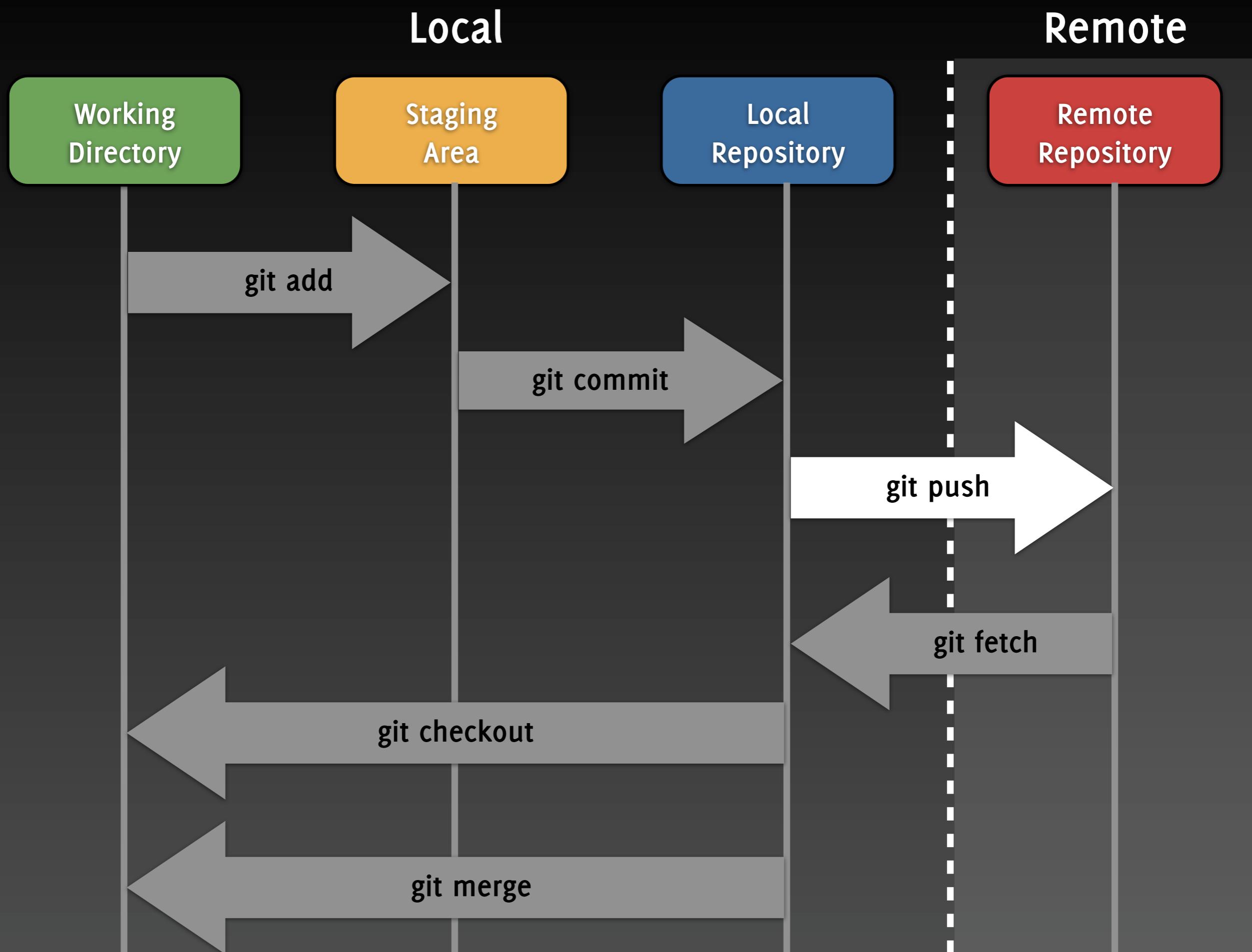


git push



Terminal

```
> git push macbook master
Counting objects: 5, done.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 307 bytes, done.
Total 3 (delta 2), reused 0 (delta 0)
Unpacking objects: 100% (3/3), done.
To /Users/kogakure/pinax.git
  7ce0c0f..204728b  master -> master
kogakure master [~/pinax]
> _
```



git submodules

Terminal

```
> git submodule add git://github.com/pinax/graphics.git utils/graphics
Initialized empty Git repository in /Users/kogakure/pinax/utils/graphics/.git/
remote: Counting objects: 9, done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 9 (delta 0), reused 0 (delta 0)
Receiving objects: 100% (9/9), done.
kogakure master [~/pinax]
> _
```



Terminal

```
> git submodule init
Submodule 'utils/graphics' (git://github.com/pinax/graphics.git) registered for path 'utils/graphics'
kogakure master [~/pinax]
> _
```



Terminal

```
> git submodule update  
kogakure master [~/pinax]  
> _
```

Profi-Techiken

Der Wuxi-Fingergriff von Git



Leere Branches anlegen

Terminal

```
> git symbolic-ref HEAD refs/heads/leererzweig  
kogakure [~/pinax]  
> rm .git/index  
kogakure [~/pinax]  
> git clean -fdx  
Removing .DS_Store  
Removing .gitignore  
Removing .gitmodules  
Removing AUTHORS  
Removing INSTALL  
Removing LICENSE  
Removing README  
Removing VERSION  
Removing apps/  
Removing buildout.cfg  
Removing docs/  
Removing pinax/  
Removing requirements/  
Removing scripts/  
Removing setup.py
```

Removed 2 files
Removed 1 file
Removed 1 file
Removed 1 file

History verändern



Terminal

```
> git filter-branch -f --index-filter 'git update-index --remove README' HEAD
Rewrite b513800833cb379930aaa44bfbb31c7059b4efa1 (1799/1799)
Ref 'refs/heads/master' was rewritten
kogakure master [~/pinax]
> _
```

git svn

```
Terminal  
> git svn clone -s --prefix=svn/ http://code.djangoproject.com/svn/django/  
Initialized empty Git repository in /Users/kogakure/django/.git/  
Using higher level of URL: http://code.djangoproject.com/svn/django => http://  
code.djangoproject.com/svn  
r1 = 5cda37203ffa6ea83da2958a95c377984482877f (svn/trunk)  
    A    django-docs/images/flatfiles_admin.png  
    A    django-docs/images/users_changelist.png  
    A    django-docs/model-api.txt  
    A    django-docs/build.py  
    A    django-docs/db-api.txt  
    A    django-docs/writing-apps-guide-outline.txt  
    A    django-docs/templates.txt  
r2 = b8249ac45e2154933b9649fd8181d5769e31c9fc (svn/trunk)  
    A    django/utils/feedgenerator.py  
    A    django/utils/datastructures.py  
    A    django/utils/__init__.py  
    A    django/utils/dates.py  
    A    django/utils/timesince.py  
    A    django/utils/xmlutils.py  
    A    django/utils/httpwrappers.py  
    A    q\an\o\uf\rs\h\ff\w\ab\bers\.\b\y  
    A    q\an\o\uf\rs\h\ff\w\ab\bers\.\b\y  
    A    q\an\o\uf\rs\h\ff\w\ab\bers\.\b\y
```

`git svn rebase`
`git svn dcommit`

git instaweb



Terminal

```
> git instaweb --httpd webrick
[2009-07-06 20:26:38] INFO  WEBrick 1.3.1
[2009-07-06 20:26:38] INFO  ruby 1.8.6 (2008-08-11) [universal-darwin9.0]
kogakure master [~/pinax]
> _
```

127.0.0.1 Git - .git/summary

summary | shortlog | log | commit | commitdiff | tree

commit ↻ ? search: re

description Unnamed repository; edit this file to name it for gitweb.
owner Stefan Imhoff
last change Mon, 6 Jul 2009 17:59:22 +0000

shortlog

28 min ago Stefan Imhoff	README-Datei geändert	master	commit commitdiff tree snapshot
40 min ago Stefan Imhoff	Änderung an README-Datei		commit commitdiff tree snapshot
3 days ago Brian Rosner	Wording.		commit commitdiff tree snapshot
3 days ago Brian Rosner	Filled out more group view documentation.		commit commitdiff tree snapshot
3 days ago Brian Rosner	Cleaned up a couple of issues in groups.txt.		commit commitdiff tree snapshot
3 days ago Brian Rosner	Added the start of group documentation (very incomplete).		commit commitdiff tree snapshot
4 days ago Brian Rosner	Corrected the group url reverse for Topic.get_absolute_url.		commit commitdiff tree snapshot
4 days ago Brian Rosner	Expose {% block extra_body %} to children from code_pro...		commit commitdiff tree snapshot
5 days ago Brian Rosner	Renamed projects and tribes media directory from old...		commit commitdiff tree snapshot
5 days ago Brian Rosner	Fixed some more {% task_tags %}		commit commitdiff tree snapshot
5 days ago Brian Rosner	Use django-markdown over django-template-utils.		commit commitdiff tree snapshot
5 days ago Brian Rosner	Added group from context to more {% task_tags %}		commit commitdiff tree snapshot
5 days ago Brian Rosner	Use correct values for markup going forward in tasks.		commit commitdiff tree snapshot
5 days ago Brian Rosner	Removed the dependancy on wiki from tasks for task...		commit commitdiff tree snapshot
5 days ago Brian Rosner	Compatibility layer for template_utils and most markup...		commit commitdiff tree snapshot
5 days ago Brian Rosner	Added missing threadedcomments code_project urls.py...		commit commitdiff tree snapshot
...			

git stash



Terminal

```
> git stash save "INSTALL in Arbeit"
Saved working directory and index state "On master: INSTALL in Arbeit"
HEAD is now at 3dc5827 README-Datei geändert
kogakure master [~/pinax]
> _
```



Terminal

```
> git stash list
stash@{0}: On master: LICENCE in Arbeit
stash@{1}: On master: INSTALL in Arbeit
kogakure master [~/pinax]
> _
```



Terminal

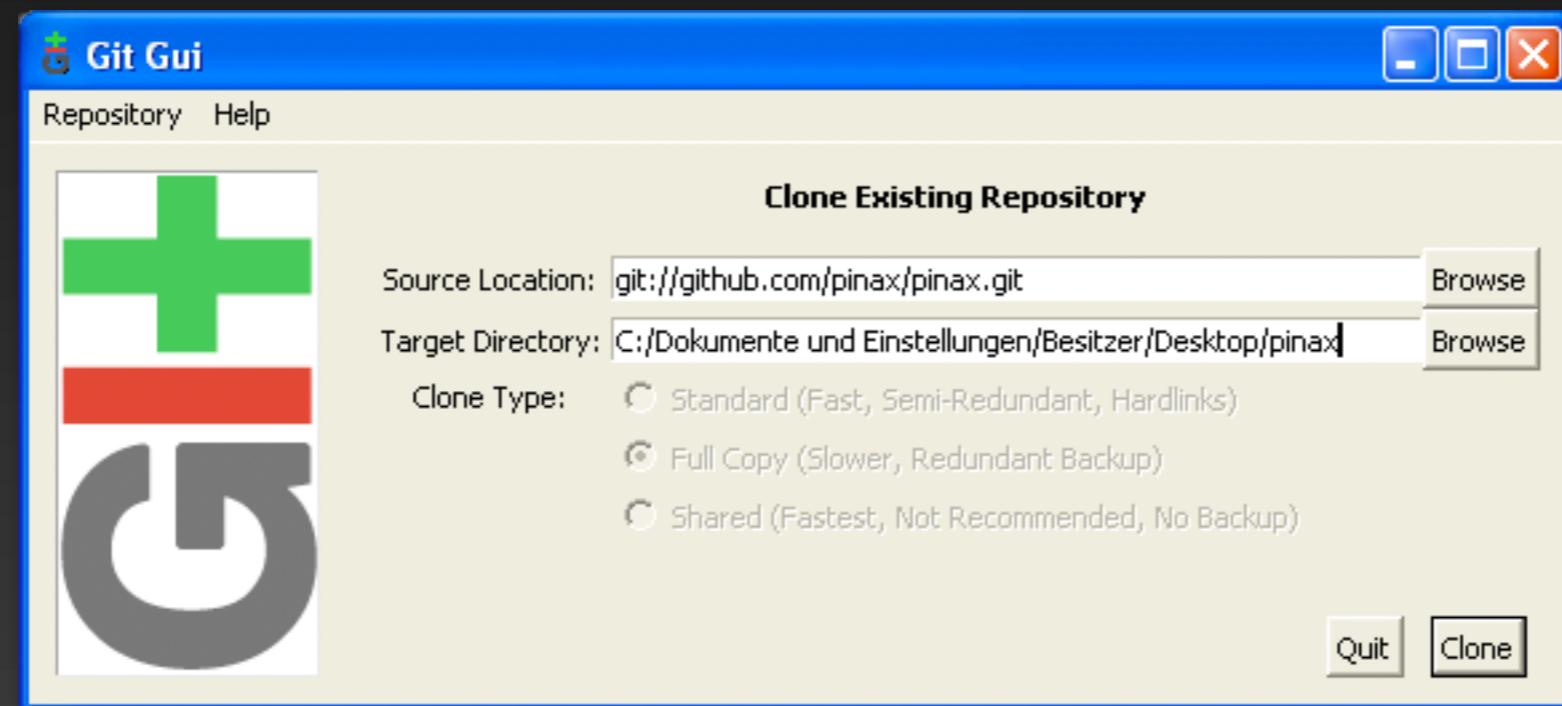
```
> git stash apply stash@{1}
# On branch master
# Changed but not updated:
#   (use "git add <file>..." to update what will be committed)
#   (use "git checkout -- <file>..." to discard changes in working directory)
#
#       modified:   LICENSE
#
no changes added to commit (use "git add" and/or "git commit -a")
kogakure master [~/pinax]
> _
```

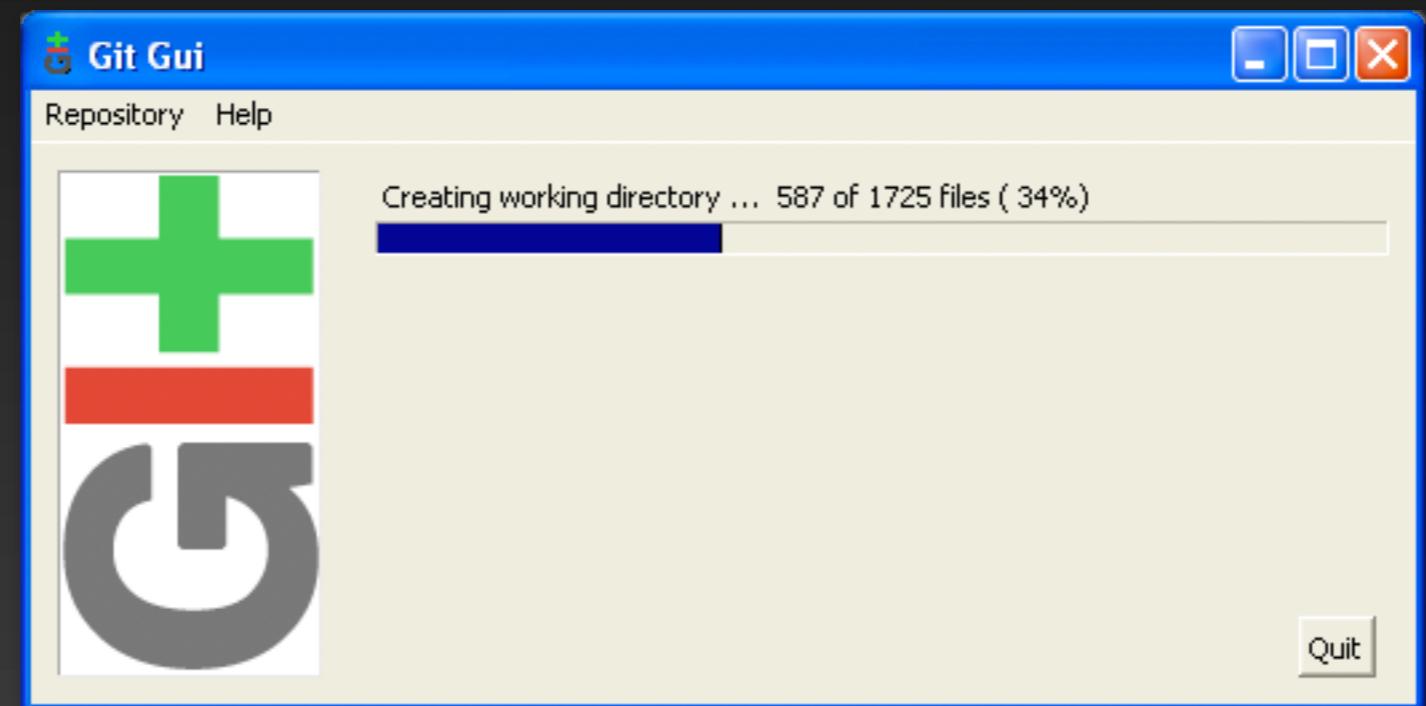
Klicki-Bunti

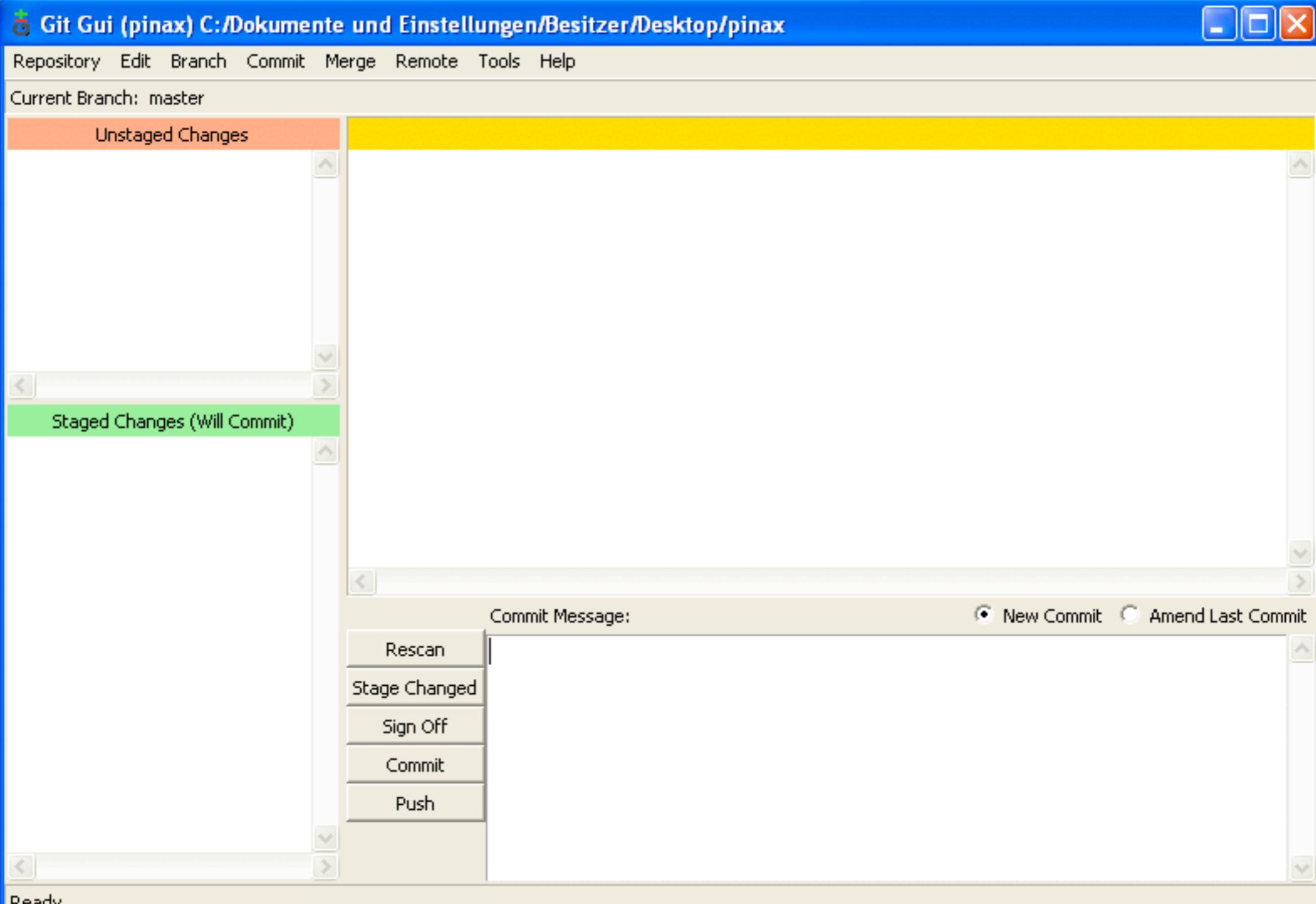
Aber gibt's dat auch für Maus?



Git Gui







Git Extensions

C:\Dokumente und Einstellungen\Besitzer\Desktop\pinax\ - Git Extensions

File Git Commands Remotes Submodules Settings Help

C:\Dokumente und Einstellungen\Besitzer\Desktop\pinax\ master Commit Filter:

Graph	Message	Author	Date
[master]	[origin/master] Applied ACCOUNT_OPEN_SIGNUP	Brian Rosner	89 minutes ago
	Fixed a {%- wikiurl %} to {%- groupurl %} fail.	Brian Rosner	10 hours ago
	Show wiki pages on project detail.	Brian Rosner	10 hours ago
	Use django-markup for rendering a wiki page.	Brian Rosner	11 hours ago
	Hooked up URLs for wikiapp to projects and changed {%- wiki %}	Brian Rosner	11 hours ago
	Updated to my development version of wikiapp and modified F	Brian Rosner	12 hours ago
	_default_manager is dealt with by _get_queryset.	Brian Rosner	12 hours ago
	Argh, a bit too soon :-)	Brian Rosner	12 hours ago
	Fixed NameErrors (whoops).	Brian Rosner	12 hours ago
	Made Group.get_related_objects slightly more flexible with mo	Brian Rosner	12 hours ago

Commit File tree Diff

Author: Brian Rosner
Date: 89 minutes ago (Mon Jul 6 11:35:52 2009 -0600)
Commit hash: 23925f2e4b9e9e4ecaa86104856d30da9c516267

Applied ACCOUNT_OPEN_SIGNUP to all projects and site_base.html templates.

Commit (C:\Dokumente und Einstellungen\Besitzer\Desktop\pinax\)



Working dir changes

Name	Change
INSTALL	Modified

```
1 diff --git a/INSTALL b/INSTALL
2 index 4913144..4ef9812 100644
3 --- a/INSTALL
4 +++ b/INSTALL
5 @@ -11,8 +11,8 @@ take this approach by follow
6 you will be working with the bleeding edge of
7 any stability.
8
9 -Released tarball instructions
10 =====
11 +Released tarball instruction
12 =====
13
14 We have provided a script that will create a
15 Once you have downloaded the release tarball,
```

Files to commit

Unstage selected files

Stage selected files

Name	Change

Commit

Commit message

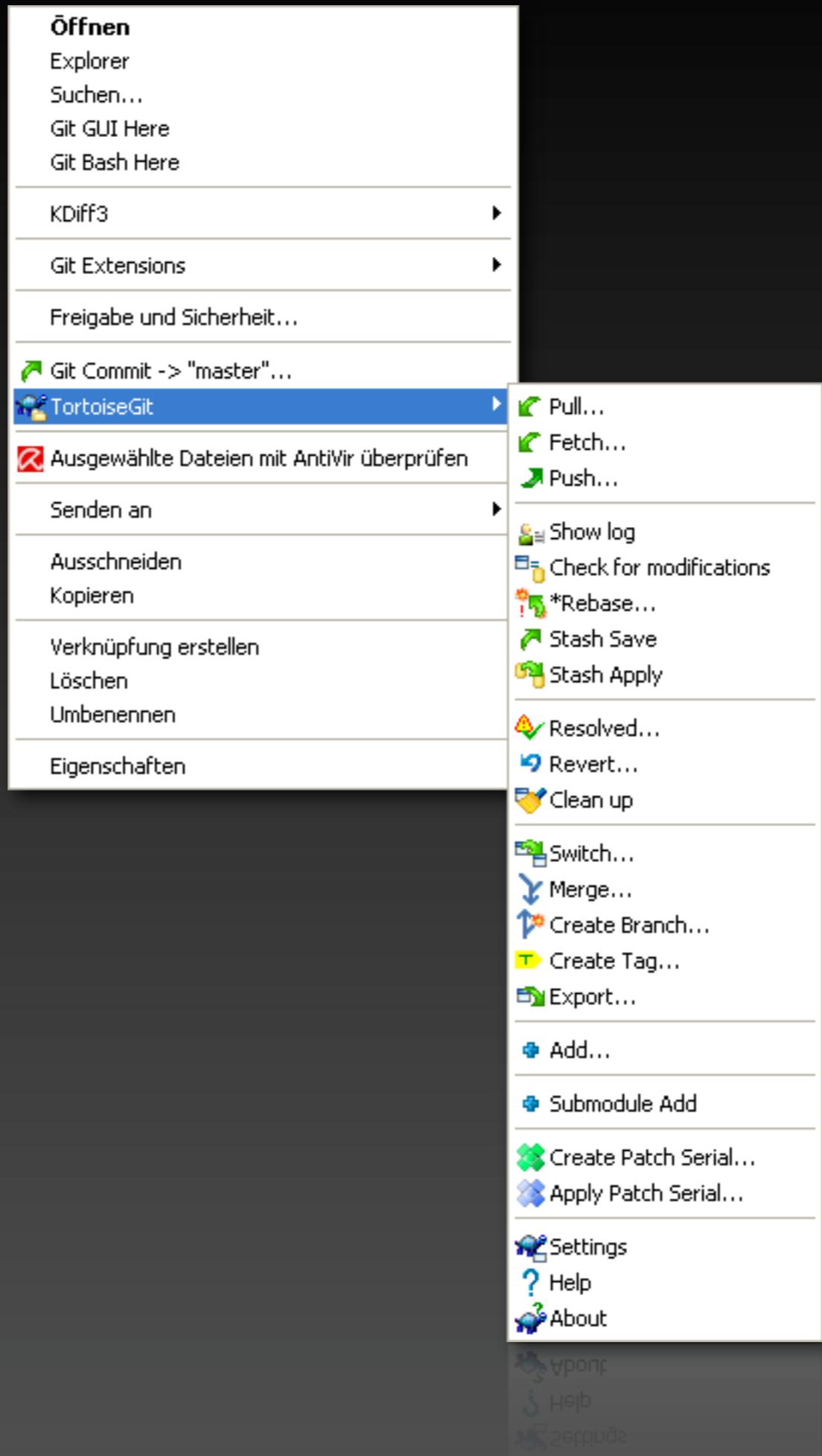
Amend to last commit

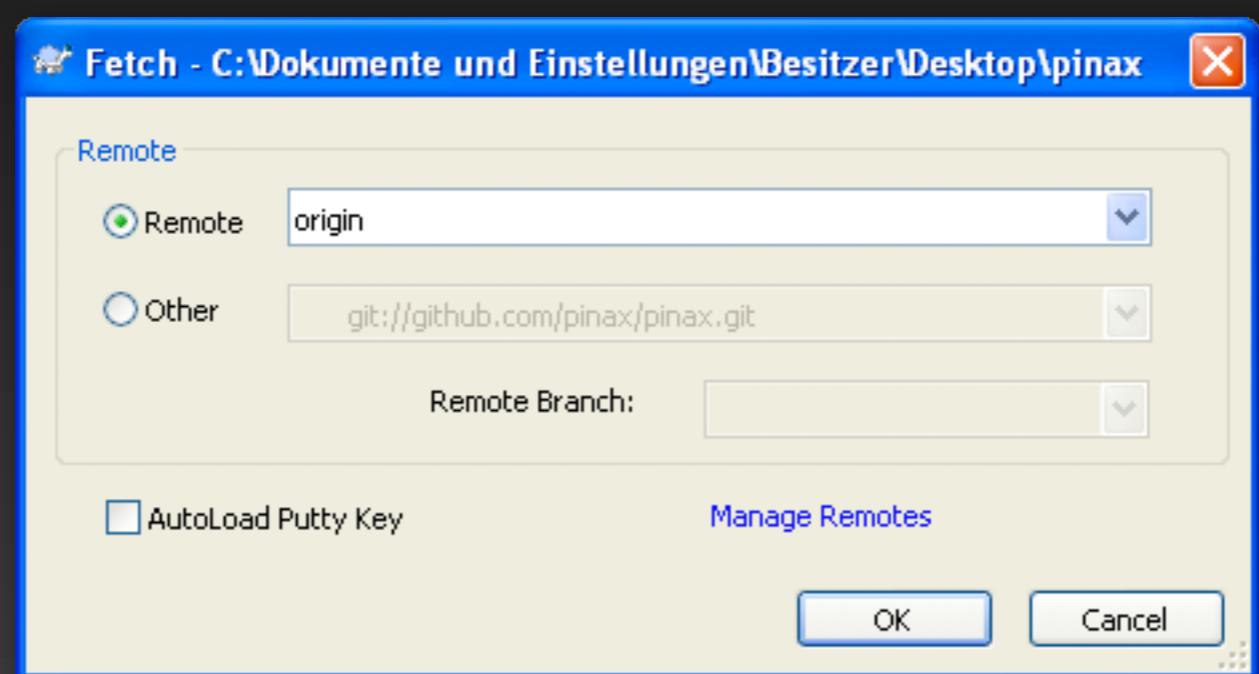
Rescan changes

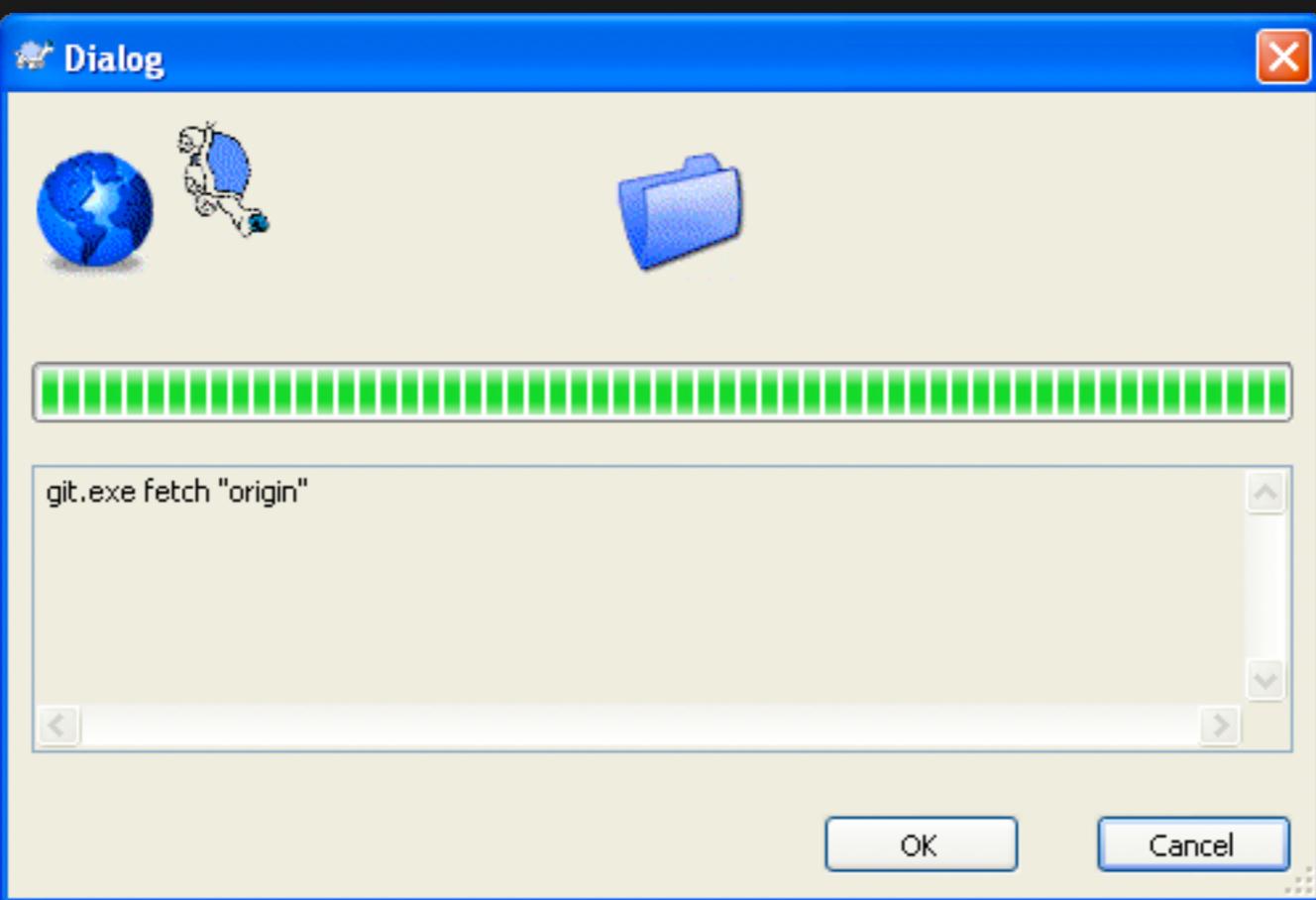
Reset changed HARD

Add many files

TortoiseGit







OK Cancel

Log Messages - Whole Project

master From: 15.03.2008 To: 06.07.2009

Graph Actions Message Author Date

moved some templates around as pa... James Ta... 05.05.20...
Added a bunch of contributors from ... Jannis Le... 12.05.20...
Bumped version of django-messages... Jannis Le... 11.05.20...
Merge branch 'master' of git@github... Jannis Le... 07.05.20...
Task #206: Added a settings.txt file... Horst Gu... 07.05.20...
Fixed #22 Move javascript functions... Michael S... 27.04.20...
fixed #179, removed button css class Stephan ... 07.05.20...
fixed #112, changed calculation of r... Stephan ... 07.05.20...

Commit: cd83fb88cf9b9fba1fbc231a769156289b4262f
* Bumped version of django-messages to fix a bug with its templates to 0.4.1. Removed unneeded setuptools requirement.

Path Extension Status Add Del

requirements/0.7beta3/release.txt .txt Modified 1 2

Showing 1807 revision(s), from revision c9b177 to revision 23925f - 1 revision(s) selected

Hide Unrelated Changed Paths Show Whole Project

All Branches First Parent

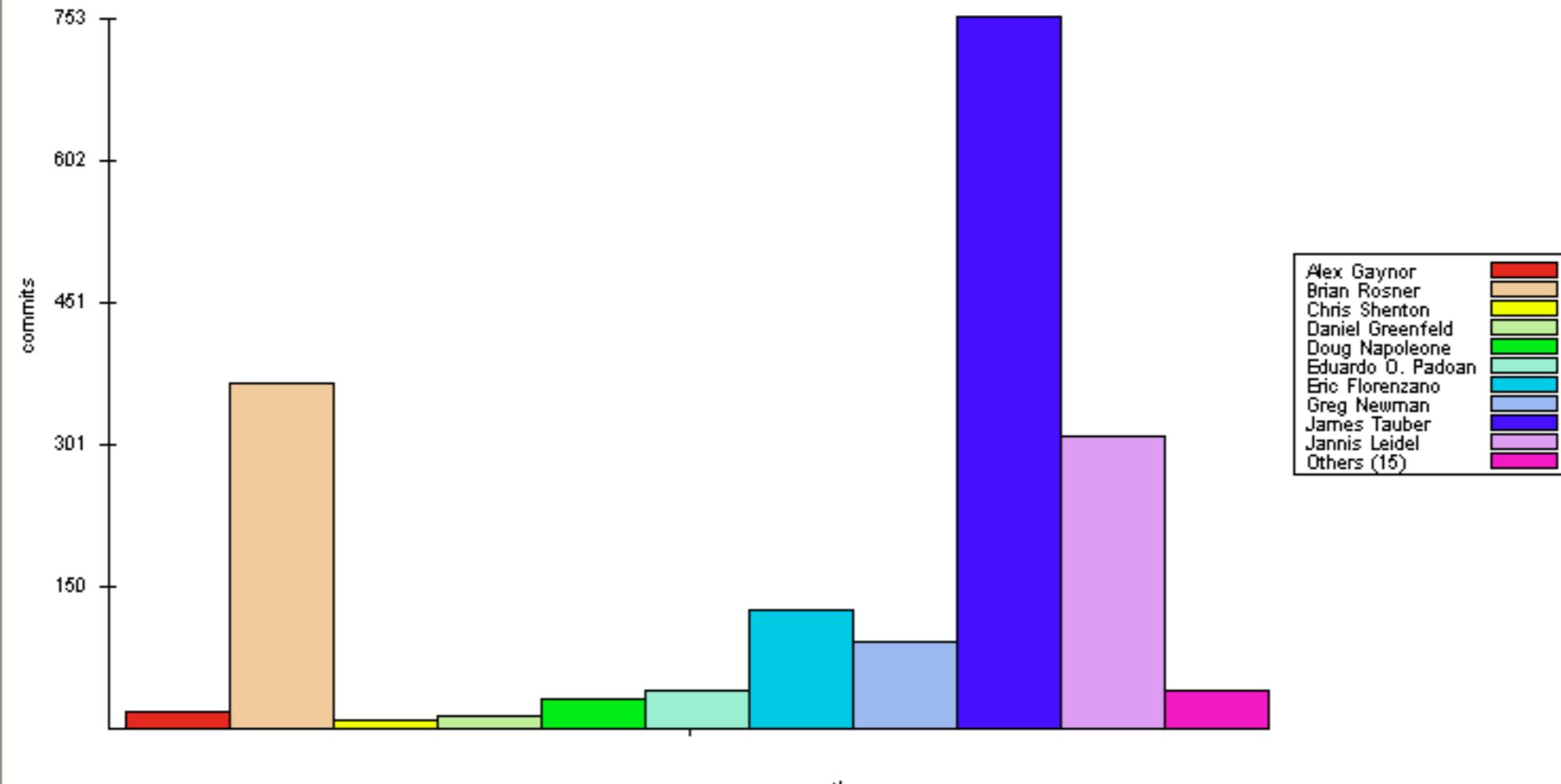
Statistics -

File

Graph type:

Commits by author

Commits by author



Authors case sensitive

Sort by commit count

authors shown individually:



OK

settings.py:a2dd16 - TortoiseMerge

File Edit Navigate View Help

settings.py:23925f settings.py:a2dd16

```
133 ↓
134 ABSOLUTE_URL_OVERRIDES = -{↓
135     "auth.user": lambda o: "/profiles/%s/" % o↓
136 }↓
137 ↓
138 AUTH_PROFILE_MODULE = 'basic_profiles.Profile'↓
139 NOTIFICATION_LANGUAGE_MODULE = 'account.Account'↓
140 ↓
141 ACCOUNT_OPEN_SIGNUP = True↓
142 ↓
143 EMAIL_CONFIRMATION_DAYS = 2↓
144 EMAIL_DEBUG = DEBUG↓
145 CONTACT_EMAIL = "feedback@example.com"↓
146 SITE_NAME = "Pinax"↓
147 LOGIN_URL = "/account/login"↓
148 LOGIN_REDIRECT_URLNAME = "what_next"↓
149 ↓
150 # local_settings.py can be used to override environment variables like database and email that differ between dev and production environments.↓
151 # like database and email that differ between dev and production environments.↓
152 try:↓
153     from local_settings import *↓
154 except ImportError:↓
155     pass↓
```

For Help, press F1. Scroll horizontally with Ctrl-Scrollwheel

Left View: ASCII LF / - 2 Right View: ASCII LF Conflicts: 0

GitK

gitk: pinax

```

Restored the good-looking show_tribe template inclusi
Merge branch 'master' of git@github.com:pinax/pinax
Got topics totally working with newtribes.
Remove vestigial template and directory
Moved around media some for newtribes. Also added
Made the requirements directory a package to be abl
Merge branch 'master' of git@github.com:pinax/pina
typo in pip args
Use easy_install instead of pip as long as the Winc
Updated downloader to use release.txt requirements
Split requirement files between the "out of the bo>
Eric Florenzano <floguy@gmail.com> 2009-04-13 05:57:13
Eric Florenzano <floguy@gmail.com> 2009-04-13 05:47:38
Eric Florenzano <floguy@gmail.com> 2009-04-13 05:47:16
Eric Florenzano <floguy@gmail.com> 2009-04-13 04:14:50
Eric Florenzano <floguy@gmail.com> 2009-04-13 04:10:07
Jannis Leidel <jannis@leidel.info> 2009-04-13 10:45:57
Jannis Leidel <jannis@leidel.info> 2009-04-13 03:05:24
Anders Pearson <anders@columbia.edu> 2009-04-09 21:37:45
Jannis Leidel <jannis@leidel.info> 2009-04-08 19:02:40
Jannis Leidel <jannis@leidel.info> 2009-04-08 11:04:07
Jannis Leidel <jannis@leidel.info> 2009-04-08 11:02:35

```

SHA1: 15a5b9ad81c56af277cf9fb2976f70c896c459e8

Zeile 2 / 1798

Suche [nächste](#) [vorige](#) Version nach [Beschreibung](#) Exakt Alle Felder

Suche Vergleich Alte Version Neue Version Kontextzeilen: 3 Leerzeichenänderungen ignorieren

Autor: Brian Rosner <brosner@gmail.com> 2009-07-03 05:21:12
 Eintragender: Brian Rosner <brosner@gmail.com> 2009-07-03 05:21:12
 Eltern: [8aa4b33e1f7527e7e3ac9abfd9d1a36e693bef88](#) (Filled out more group view documentation.)
 Zweig: [master](#)
 Folgt auf:
 Vorgänger von:
 Wording.

```

----- docs/groups.txt -----
index a993de8..5bde560 100644
@@ -112,7 +112,7 @@ definitely make it simpler.
Checking for user membership
@@ -112,7 +112,7 @@ In many cases you might want to check if the logged in user has membership
+In many cases you might want to check if the authenticated user has membership
 in the group. To do this:

```

GitX

pinax

master Branch Create Branch

View Search Subject

Subject	Author	Date
master Wording.	Brian Rosner	2009-07-03 05:21:12
Filled out more group view documentation.	Brian Rosner	2009-07-03 05:18:26
Cleaned up a couple of issues in groups.txt.	Brian Rosner	2009-07-03 05:03:02
Added the start of group documentation (very incomplete).	Brian Rosner	2009-07-03 01:49:00
Corrected the group url reverse for Topic.get_absolute_url.	Brian Rosner	2009-07-01 22:35:48
Expose {% block extra_body %} to children from code_project site_base.html (o...	Brian Rosner	2009-07-01 22:25:15
Renamed projects and tribes media directory from old name to new name.	Brian Rosner	2009-07-01 17:01:02
Fixed some more {% task_tags %}	Brian Rosner	2009-07-01 10:50:29
Use django-markdown over django-template-utils.	Brian Rosner	2009-07-01 10:36:30
Added group from context to more {% task_tags %}	Brian Rosner	2009-07-01 10:18:17

SHA: 15a5b9ad81c56af277cf9fb2976f70c896c459e8

Author: Brian Rosner <brosner@gmail.com>

Date: Fri Jul 03 2009 05:21:12 GMT+0200 (CEST)

Subject: Wording.

Refs: master

Parent: [8aa4b33e1f7527e7e3ac9abfd9d1a36e693bef88](#)

Wording.

changed [docs/groups.txt](#)

docs/groups.txt

```
... ...@@ -112,7 +112,7 @@ definitely make it simpler.  
112 112 Checking for user membership  
113 113 ~~~~~  
114 114  
115 -In many cases you might want to check if the logged in user has membership  
115 +In many cases you might want to check if the authenticated user has membership  
116 116 in the group. To do this::
```

1797 commits loaded

pinax

View

Unstaged changes for INSTALL

Context: ⌂

INSTALL

```
... ... Stage @@ -1,5 +1,5 @@
1 -Pinax should be run in a virtual environment containing pip, Django and Pinax
2 -itself.
1 +Pinax should be run in a virtual environment containing pip,
2 +Django and Pinax itself.
3
4 We have two different approaches to installing Pinax. The best approach is to
5 download our stable release and follow the "Released tarball instructions".
```

Unstaged Changes Commit Message Staged Changes

INSTALL

Amend

Ready

A man with dark hair and glasses, wearing a white button-down shirt, is pulling open the collar of his shirt to reveal a superhero logo on his chest. The logo consists of a yellow shield with a red border. Inside the shield is a blue section at the top and a red section below it. In the center of the shield is a stylized 'W' shape, also in red, with vertical lines extending downwards from its top and bottom points.

Und los geht's ...

**Bereit Versionsgeschichte
zu schreiben?**

Vielen Dank!

Eingesetzte Fotos

Die in dieser Präsentation eingesetzten
Fotos stammen von iStockphoto.



8916384



7941768



3391085



1945196



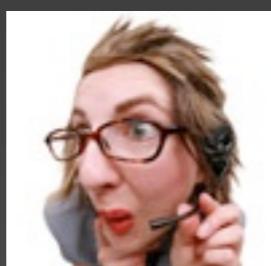
5823044



2699704



7952299



3142537



7420635



7692057



4144887

Eingesetzte Schriften

Delicious

<http://www.josbuivenga.demon.nl/delicious.html>

Baskerville (&)

Fragen & Antworten