

We'll start by exploring how version control can be used to keep track of what one person did and when. Even if you aren't collaborating with other people, version control is much better for this than this:

"FINAL".doc



FINAL.doc!



FINAL_rev.2.doc



FINAL_rev.6.COMMENTS.doc



FINAL_rev.8.comments&S.
CORRECTIONS.doc



FINAL_rev.18.comments&7.
corrections&9.MORE.30.doc



FINAL_rev.22.comments&9.
corrections.10.#@\$%WHYDID
ICOMETOGRADSCHOOL?????.doc

```
Configuration file: /Users/gvwilson/s/site/_config.yml
  Source: /Users/gvwilson/s/site
  Destination: /Users/gvwilson/s/site/_site
Generating...
done.
Auto-regeneration: disabled. Use --watch to enable.
python ./bin/make-calendar.py -o /Users/gvwilson/s/site/_site -s /Users/gvwilson/s/site/_site
python ./bin/make-rss-feed.py -o /Users/gvwilson/s/site/_site -s /Users/gvwilson/s/site/_site
python ./bin/make-workshop-rss-feed.py -o /Users/gvwilson/s/site/_site -s /Users/gvwilson/s/site/_site
cp _htaccess /Users/gvwilson/s/site/_site/.htaccess
~/s/site: open _site/index.html
~/s/site: git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   config/workshops.yml

no changes added to commit (use "git add" and/or "git commit -a")
~/s/site: git add -A
~/s/site: git commit -m "Another Melbourne workshop"
[master 43f46c9] Another Melbourne workshop
 1 file changed, 1 insertion(+)
~/s/site:
  [Restored]
Last login: Tue Mar 17 16:31:46 on ttys000
~/s/site: █
```

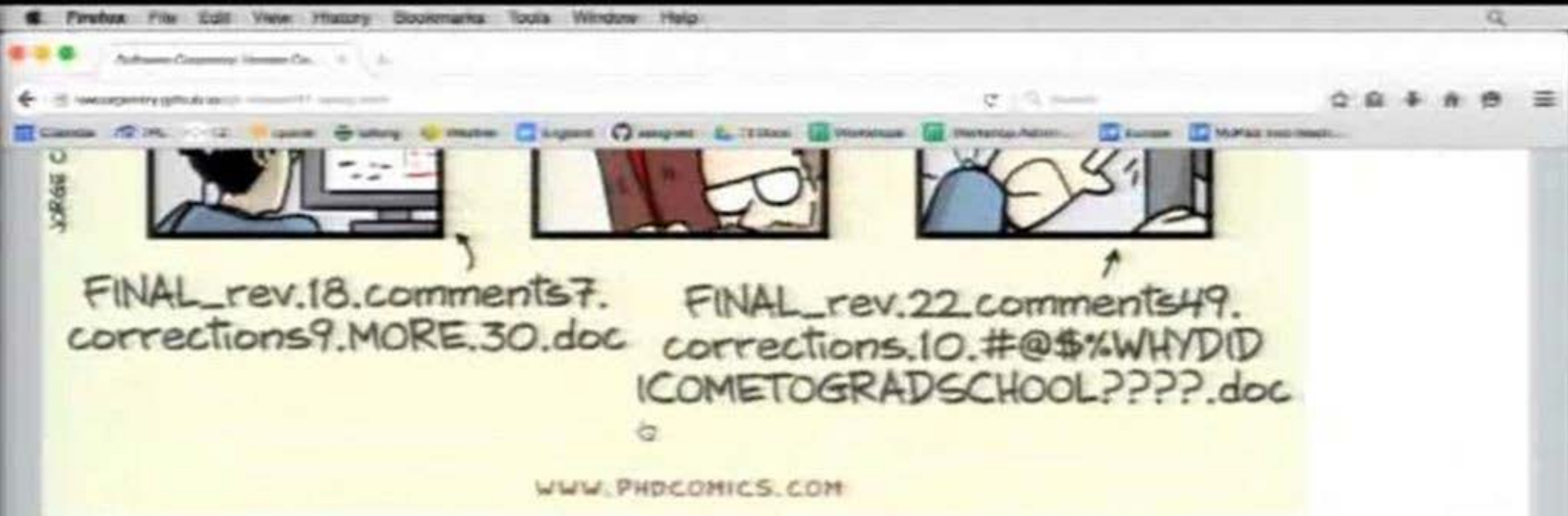
```
~: mkdir benny
~: cd benny
~/benny: git init .
Initialized empty Git repository in /Users/gwilson/benny/.git/
~/benny: open $(find ~/archive -name '*darth*' -print)
The files /Users/gwilson/archive/gwilson/sadie/personal/Hallowee
n, /Users/gwilson/benny/2012/princess, /Users/gwilson/benny/dart
h1.JPG, /Users/gwilson/archive/gwilson/sadie/personal/Halloween,
/Users/gwilson/benny/2012/princess, /Users/gwilson/benny/darth2
.JPG, /Users/gwilson/archive/gwilson/sadie-cgi/Halloween, /Users
/gwilson/benny/2012/princess, /Users/gwilson/benny/darth1.JPG, /
Users/gwilson/archive/gwilson/sadie-cgi/Halloween, /Users/gwils
on/benny/2012/princess, and /Users/gwilson/benny/darth2.JPG do no
t exist.
~/benny: █
```



```
~/benny: find ~/archive -name '*princess*' -print
/Users/gwilson/archive/gwilson/archive/images/princess-darth.png
/Users/gwilson/archive/gwilson/archive/third-bit-2009/img/books/
goldman-princess-bride.jpg
/Users/gwilson/archive/gwilson/sadie/personal/Halloween 2012/pri
ncess darth1.JPG
/Users/gwilson/archive/gwilson/sadie/personal/Halloween 2012/pri
ncess darth2.JPG
/Users/gwilson/archive/gwilson/sadie/personal/Maddies 4th birthd
ay/birthday princess.jpg
/Users/gwilson/archive/gwilson/sadie/personal/March 2010/party p
rincess.jpg
/Users/gwilson/archive/gwilson/sadie/personal/snow princess madd
ie.jpg
/Users/gwilson/archive/gwilson/sadie-cgi/Halloween 2012/princess
darth1.JPG
/Users/gwilson/archive/gwilson/sadie-cgi/Halloween 2012/princess
darth2.JPG
/Users/gwilson/archive/gwilson/sadie-cgi/Maddies 4th birthday/bi
rthday princess.jpg
/Users/gwilson/archive/gwilson/sadie-cgi/March 2010/party prince
ss.jpg
/Users/gwilson/archive/images/princess-darth.png
/Users/gwilson/archive/third-bit-2009/img/books/goldman-princess-
bride.jpg
~/benny: find ~/archive -name '*princess*' -print
```



```
son/sadie/personal/Halloween 2012/pri
son/sadie/personal/Halloween 2012/pri
son/sadie/personal/Maddies 4th birthd
son/sadie/personal/March 2010/party p
son/sadie/personal/snow princess madd
son/sadie-cgi/Halloween 2012/princess
son/sadie-cgi/Halloween 2012/princess
son/sadie-cgi/Maddies 4th birthday/bi
son/sadie-cgi/March 2010/party prince
s/princess-darth.png
-bit-2009/img/books/goldman-princess-
 '*princess-darth*' -print
son/archive/images/princess-darth.png
s/princess-darth.png
s/princess-darth.png
```



"Piled Higher and Deeper" by Jorge Cham, <http://www.phdcomics.com>

The first time we use Git on a new machine, we need to configure a few things. Here's how Dracula sets up his new laptop:

```
$ git config --global user.name "Vlad Dracula"  
$ git config --global user.email "vlad@tran.sylvan.ia"  
$ git config --global color.ui "auto"  
$ git config --global core.editor "nano"
```

(Please use your own name and email address instead of Dracula's, and please make sure you choose an editor that's actually on your system, such as `notepad` on Windows.)

Git commands are written `git verb`, where `verb` is what we actually want it to do. In this case, we're telling Git:

- our name and email address,
- to colorize output,

• our favorite text editor is, and

(Please use your own name and email address instead of Dracula's, and please make sure you choose an editor that's actually on your system, such as `notepad` on Windows.)

Git commands are written `git verb`, where `verb` is what we actually want it to do. In this case, we're telling Git:

- our name and email address,
- to colorize output,
- what our favorite text editor is, and
- that we want to use these settings globally (i.e., for every project),

The four commands above only need to be run once: the flag `--global` tells Git to use the settings for every project on this machine.

Proxy

In some networks you need to use a proxy. If this is the case you may also need to tell Git about the proxy:

The first time we use Git on a new machine, we need to configure a few things. Here's how Dracula sets up his new laptop:

```
$ git config --global user.name "Vlad Dracula"
$ git config --global user.email "vlad@tran.sylvan.ia"
$ git config --global color.ui "auto"
$ git config --global core.editor "nano"
```

(Please use your own name and email address instead of Dracula's, and please make sure you choose an editor that's actually on your system, such as notepad on Windows.)

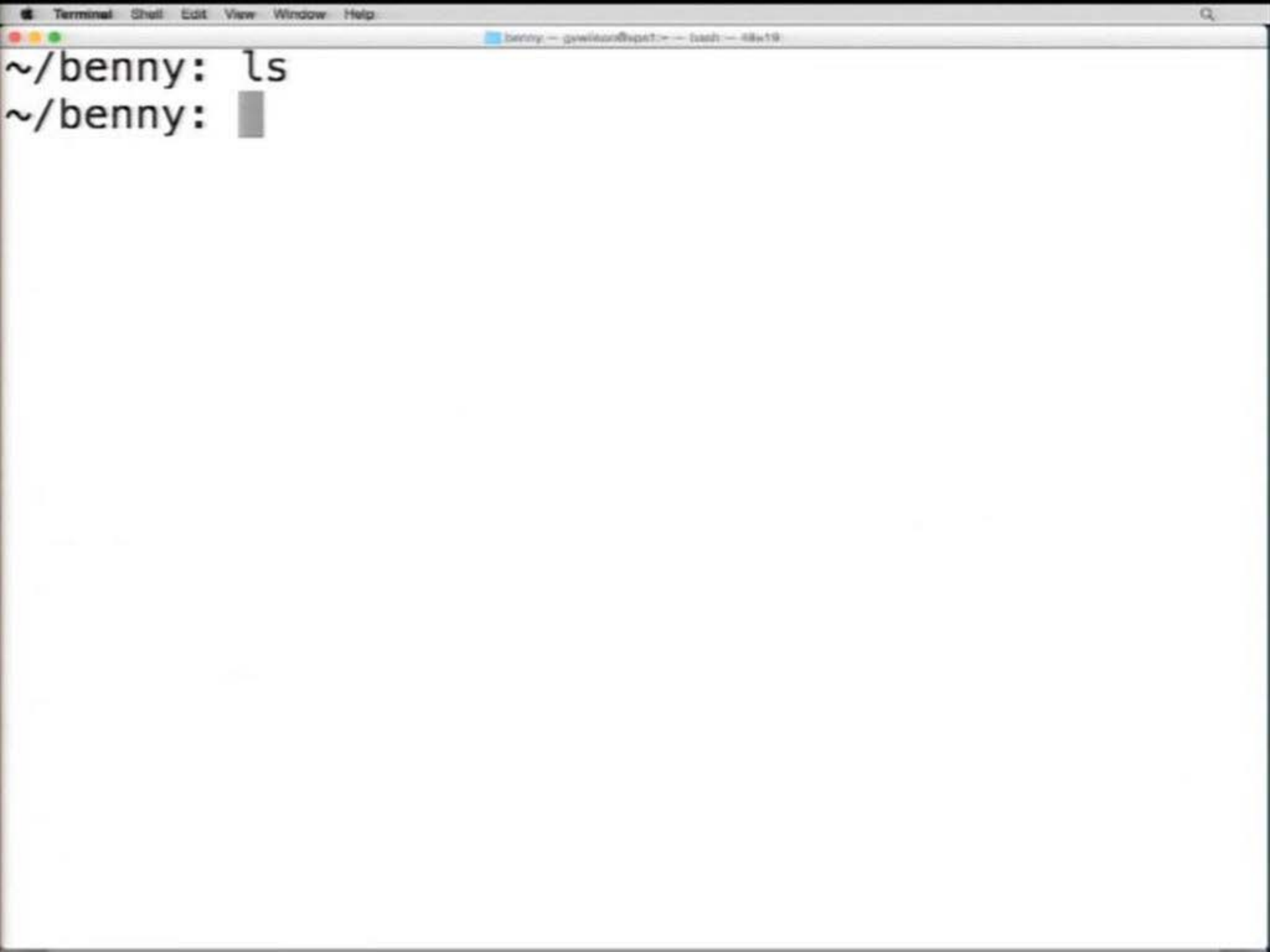
Git commands are written `git verb`, where `verb` is what we actually want it to do. In this case, we're telling Git:

- our name and email address,
- to colorize output,
- what our favorite text editor is, and
- that we want to use these settings globally (i.e., for every project),


```
~/benny: git config --global user.name  
Greg Wilson  
~/benny: █
```

I

```
Terminal Shell Edit View Window Help
497 git push origin master
498 git push upstream master
499 ssh swc ./remake.sh
500 emt
501 cd
502 clear
503 mkdir benny
504 cd benny
505 git init .
506 open $(find ~/archive -name '*darth*' -pr
int)
507 find ~/archive -name '*princess*' -print
508 find ~/archive -name '*princess-darth*' -
print
509 open ~/archive/images/princess-darth.png
510 clear
511 git config --global user.name
512 history
~/benny: █
```



~/benny: ls

~/benny: █

Mar

[New File]

^G	Get H	^O	Write	^R	Read	^Y	Prev	^K	Cut T	^C	Cur P
^X	Exit	^J	Justi	^W	Where	^V	Next	^U	UnCut	^T	To Sp

```
~/benny: ls  
~/benny: ls -a  
./          ../          .git/  
~/benny: nano marco.txt  
~/benny: █
```

```
Terminal Shell Edit View Window Help
benny -- gwtitarr@psst:~ -- bash -- 04x18
~/benny: ls
marco.txt
~/benny: cat marco.txt
Marco is a dog.
He spells his name strangely.
~/benny: git status
On branch master

Initial commit

Untracked files:
  (use "git add <file>..." to include in what will be committed)

    marco.txt

nothing added to commit but untracked files present (use "git add" to track)
~/benny: █
```



```
index f9dda95..df32a48 100644
--- a/marco.txt
+++ b/marco.txt
@@ -1,2 +1,3 @@
-Marco is a dog.
+Marko is a dog.
 He spells his name strangely.
+His favorite toy is a tennis ball.
~/benny:
~/benny:
~/benny: git add marco.txt
~/benny: git commit -m "Updating the file"
[master f617e37] Updating the file
 1 file changed, 2 insertions(+), 1 deletion(-)
~/benny: █
```

```
Terminal Shell Edit View Window Help
benny -- gvwilson@bent: ~ -- bash -- 48x12
~/benny:
~/benny:
~/benny: git log
commit f617e377c62e83c89af767c031fa3840cf99dea0
Author: Greg Wilson <gvwilson@third-bit.com>
Date: Tue Mar 17 16:55:04 2015 -0600

    Updating the file

commit f780a4cc862be2cef6e4bf131fc1d7fe811c5efe
Author: Greg Wilson <gvwilson@third-bit.com>
Date: Tue Mar 17 16:50:52 2015 -0600

    First version of Marco
~/benny: █
```

```
Author: Greg Wilson <gvwilson@third-bit.com>  
Date: Tue Mar 17 16:50:52 2015 -0600
```

First version of Marco

```
~/benny:  
~/benny:  
~/benny:  
~/benny: git blame marco.txt  
f617e377 (Greg Wilson 2015-03-17 16:55:04 -0600  
1) Marko is a dog.  
^f780a4c (Greg Wilson 2015-03-17 16:50:52 -0600  
2) He spells his name strangely.  
f617e377 (Greg Wilson 2015-03-17 16:55:04 -0600  
3) His favorite toy is a tennis ball.  
~/benny: █
```


GNU nano 2.0. File: marco.txt

Marko is a dog.
He spells his name strangely.
His favorite toy is a tennis ball.

[Read 3 lines]

^G Get H ^O Write ^R Read ^Y Prev ^K Cut T ^C Cur P
^X Exit ^J Justi ^W Where ^V Next ^U UnCut ^T To Sp

```
Terminal: Shell Edit View Window Help
~/benny:
~/benny:
~/benny:
~/benny: git blame marco.txt
f617e377 (Greg Wilson 2015-03-17 16:55:04 -0600
1) Marko is a dog.
^f780a4c (Greg Wilson 2015-03-17 16:50:52 -0600
2) He spells his name strangely.
f617e377 (Greg Wilson 2015-03-17 16:55:04 -0600
3) His favorite toy is a tennis ball.
~/benny:
~/benny:
~/benny: nano marco.txt
~/benny: nano lucky.txt
~/benny: █
```

Terminal Shell Edit View Window Help
Benny - jessica@vps1 ~ - ssh - 16.11.15

```
lucky.txt
```

```
no changes added to commit (use "git add" and/or  
"git commit -a")
```

```
~/benny: git add marco.txt lucky.txt
```

```
~/benny: git status
```

```
On branch master
```

```
Changes to be committed:
```

```
(use "git reset HEAD <file>..." to unstage)
```

```
new file:   lucky.txt
```

```
modified:   marco.txt
```

```
~/benny: █
```


GNU nano 2.0. File: lucky.txt

Lucky is probably a cat.
Even he isn't really sure.

[Read 2 lines]

^G Get H	^O Write	^R Read	^Y Prev	^K Cut T	^C Cur P
^X Exit	^J Justi	^W Where	^V Next	^U UnCut	^T To Sp

lucky.txt

no changes added to commit (use "git add" and/or "git commit -a")

```
~/benny: git add marco.txt lucky.txt
```

```
~/benny: git status
```

On branch master

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

```
new file:   lucky.txt
modified:   marco.txt
```

```
~/benny: nano lucky.txt
```

```
~/benny: █
```

```
528 git commit -m "Updating the file"
529 git log
530 git blame marco.txt
531 nano marco.txt
532 nano lucky.txt
533 ls
534 git status
535 git add marco.txt lucky.txt
536 git status
537 nano lucky.txt
538 git status
539 git add lucky.txt
540 git status
541 history
```

```
~/benny: █
```

```
536 git status
537 nano lucky.txt
538 git status
539 git add lucky.txt
540 git status
541 history
```

```
~/benny: git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)
```

```
new file:   lucky.txt
modified:   marco.txt
```

```
~/benny: █
```



```
541 history
~/benny: git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

       new file:   lucky.txt
       modified:  marco.txt

~/benny: git commit -m "Talking about cats"
[master e3f118d] Talking about cats
 2 files changed, 3 insertions(+), 2 deletions(-)
 create mode 100644 lucky.txt
~/benny: █
```

Terminal Shell Edit View Window Help
benny - ssh://benny@192.168.1.100:2222 - ssh://benny@192.168.1.100:2222

Changes to be committed:
(use "git reset HEAD <file>..." to unstage)

```
new file:   lucky.txt
modified:   marco.txt
```

```
~/benny: git commit -m "Talking about cats"
[master e3f118d] Talking about cats
2 files changed, 3 insertions(+), 2 deletions(-)
)
 create mode 100644 lucky.txt
~/benny: git status
On branch master
nothing to commit, working directory clean
~/benny: █
```

```
commit e3f118d6159404b592f028cb12d2655708edd188  
Author: Greg Wilson <gvwilson@third-bit.com>  
Date: Tue Mar 17 17:02:38 2015 -0600
```

Talking about cats

```
commit f617e377c62e83c89af767c031fa3840cf99dea0  
Author: Greg Wilson <gvwilson@third-bit.com>  
Date: Tue Mar 17 16:55:04 2015 -0600
```

Updating the file

```
commit f780a4cc862be2cef6e4bf131fc1d7fe811c5efe  
Author: Greg Wilson <gvwilson@third-bit.com>  
:
```

```
commit f617e377c62e83c89af767c031fa3840cf99dea0  
Author: Greg Wilson <gvwilson@third-bit.com>  
Date: Tue Mar 17 16:55:04 2015 -0600
```

Updating the file

```
commit f780a4cc862be2cef6e4bf131fc1d7fe811c5efe  
Author: Greg Wilson <gvwilson@third-bit.com>  
Date: Tue Mar 17 16:50:52 2015 -0600
```

First version of Marco

```
~/benny:  
~/benny:  
~/benny: git diff marco.txt  
~/benny: █
```



```
Terminal Shell Edit View Window Help
benny - jenkins@benny: ~ - ssh - 192.168.1.100

First version of Marco
~/benny:
~/benny:
~/benny: git diff marco.txt
~/benny: git diff -r HEAD~1 marco.txt
diff --git a/marco.txt b/marco.txt
index df32a48..00dcb48 100644
--- a/marco.txt
+++ b/marco.txt
@@ -1,3 +1,2 @@
-Marko is a dog.
-He spells his name strangely.
+Marko is a big dog.
 His favorite toy is a tennis ball.
~/benny: █
```

```
commit e3f118d6159404b592f028cb12d2655708edd188
Author: Greg Wilson <gvwilson@third-bit.com>
Date: Tue Mar 17 17:02:38 2015 -0600
```

Talking about cats

```
commit f617e377c62e83c89af767c031fa3840cf99dea0
Author: Greg Wilson <gvwilson@third-bit.com>
Date: Tue Mar 17 16:55:04 2015 -0600
```

Updating the file

```
commit f780a4cc862be2cef6e4bf131fc1d7fe811c5efe
Author: Greg Wilson <gvwilson@third-bit.com>
:
```

Updating the file

```
commit f780a4cc862be2cef6e4bf131fc1d7fe811c5efe
Author: Greg Wilson <gvwilson@third-bit.com>
~/benny: git diff -r f617e377c marco.txt
diff --git a/marco.txt b/marco.txt
index df32a48..00dcb48 100644
--- a/marco.txt
+++ b/marco.txt
@@ -1,3 +1,2 @@
-Marko is a dog.
-He spells his name strangely.
+Marko is a big dog.
 His favorite toy is a tennis ball.
~/benny: █
```

```
Terminal: Shell Edit View Window Help
540 git status
541 history
542 git status
543 git commit -m "Talking about cats"
544 git status
545 git log
546 git diff marco.txt
547 git diff -r HEAD~1 marco.txt
548 git diff -r HEAD~2 marco.txt
549 git diff -r HEAD~100 marco.txt
550 clear
551 git log
552 git diff -r f617e377c marco.txt
553 history
```

```
~/benny: █
```



```
~/benny: git log
commit f617e377c62e83c89af767c031fa3840cf99dea0
Author: Greg Wilson <gvwilson@third-bit.com>
Date: Tue Mar 17 16:55:04 2015 -0600
```

Updating the file

```
commit f780a4cc862be2cef6e4bf131fc1d7fe811c5efe
Author: Greg Wilson <gvwilson@third-bit.com>
Date: Tue Mar 17 16:50:52 2015 -0600
```

First version of Marco

```
~/benny: git log --online
fatal: unrecognized argument: --online
~/benny: █
```

Date: Tue Mar 17 16:50:52 2015 -0600

First version of Marco

```
~/benny: git log --online  
fatal: unrecognized argument: --online
```

```
~/benny: git log --oneline  
f617e37 Updating the file  
f780a4c First version of Marco
```

```
~/benny: git reflog  
f617e37 HEAD@{0}: reset: moving to f617e377c  
e3f118d HEAD@{1}: commit: Talking about cats  
f617e37 HEAD@{2}: commit: Updating the file  
f780a4c HEAD@{3}: commit (initial): First versio  
n of Marco
```

```
~/benny: █
```



Search GitHub

Explore Gist Blog Help

gvwilson ▾

GitHub Bootcamp

1



Set up Git

A quick guide to help you get started with Git.

2



Create repositories

Repositories are where you'll work and collaborate on projects.

3



Fork repository

Forking creates a copy of a project from an existing repository.

Date: Tue Mar 17 16:50:52 2015 -0600

First version of Marco


```
~/benny: git log --online  
fatal: unrecognized argument: --online
```

```
~/benny: git log --oneline  
f617e37 Updating the file  
f780a4c First version of Marco
```

```
~/benny: git reflog  
f617e37 HEAD@{0}: reset: moving to f617e377c  
e3f118d HEAD@{1}: commit: Talking about cats  
f617e37 HEAD@{2}: commit: Updating the file  
f780a4c HEAD@{3}: commit (initial): First versio  
n of Marco
```

```
~/benny: █
```

You can clone with [HTTPS](#), [SSH](#),
or [Subversion](#). ⓘ

 Clone in Desktop

 Download ZIP


```
or do not fetch any ta
g at all (--no-tags)
-t, --track <branch> branch(es) to track
-m, --master <branch>
                        master branch
--mirror[=<push|fetch>]
                        set up remote as a mir
ror to push to or fetch from
```

```
~/benny: git remote
```

```
~/benny: git remote add origin https://github.co
m/gvwilson/benny.git
```

```
~/benny: git remote
origin
```

```
~/benny: history
```

gvwilson/benny.git


You can clone with [HTTPS](#), [SSH](#),
or [Subversion](#).

 Clone in Desktop

 Download ZIP

```
Terminal Shell Edit View Window Help
benny -- gwilson@guest -- git-remote-https -- 63x17
555 git log
556 git log --online
557 git log --oneline
558 git reflog
559 clear
560 pwd
561 git status
562 git remote
563 git remote add https://github.com/gwilson/ben
ny.git
564 git remote
565 git remote add origin https://github.com/gwil
son/benny.git
566 git remote
567 history
~/benny: git pull origin master
```

of Subversion. 

 Clone in Desktop

 Download ZIP

Merge branch 'master' of https://github.com/gvwilson/
/benny

Please enter a commit message to explain why this \
merge is necessary,

especially if it merges an updated upstream into a \
topic branch.

Lines starting with '#' will be ignored, and an em\
pty message aborts

the commit.

--uu--:--F1 MERGE_MSG ALL L1 (Fundamental)--

Loading image...done

 Clone in Desktop

 Download ZIP

```
Terminal Shell Edit View Window Help
benny - gvwilson@pat:~ - bash -- 52x17
son/benny.git
 566 git remote
 567 history
~/benny: git pull origin master
warning: no common commits
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-r
eused 0
Unpacking objects: 100% (3/3), done.
From https://github.com/gvwilson/benny
 * branch          master      -> FETCH_HEAD
 * [new branch]    master      -> origin/master
Merge made by the 'recursive' strategy.
 README.md | 2 ++
1 file changed, 2 insertions(+)
create mode 100644 README.md
~/benny: █
```

or Subversion. 

 Clone in Desktop

 Download ZIP

```
556 git log --online
557 git log --oneline
558 git reflog
559 clear
560 pwd
561 git status
562 git remote
563 git remote add https://github.com/gwilson/ben
ny.git
564 git remote
565 git remote add origin https://github.com/gwil
son/benny.git
566 git remote
567 history
568 git pull origin master
569 history
~/benny: █
```

 Clone in Desktop

 Download ZIP


```
Terminal Shell Edit View Window Help
benny — gwilson@pact:~ — bash — 50x17
558 git reflog
559 clear
560 pwd
561 git status
562 git remote
563 git remote add https://github.com/gwilson/ben
ny.git
564 git remote
565 git remote add origin https://github.com/gwil
son/benny.git
566 git remote
567 history
568 git pull origin master
569 history
~/benny: ls
README.md          marco.txt
~/benny: █
```

or Subversion. 

 Clone in Desktop

 Download ZIP

```
Terminal Shell Edit View Window Help
benny -- gwilson@opt:~ -- bash -- 1024x17

561 git status
562 git remote
563 git remote add https://github.com/gwilson/ben
ny.git
564 git remote
565 git remote add origin https://github.com/gwil
son/benny.git
566 git remote
567 history
568 git pull origin master
569 history

~/benny: ls
README.md          marco.txt
~/benny: cat README.md
# benny
For SIAM tutorial.
~/benny: █
```

of Subversion

 Clone in Desktop

 Download ZIP

```
Terminal Shell Edit View Window Help
benny — gvwilson@benny: ~ — ssh — 13x17
~/benny: ls
README.md          marco.txt
~/benny: cat README.md
# benny
For SIAM tutorial.
~/benny: git push origin master
Username for 'https://github.com': gvwilson
Password for 'https://gvwilson@github.com':
Counting objects: 8, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (5/5), done.
Writing objects: 100% (8/8), 856 bytes | 0 bytes/s, done.
Total 8 (delta 0), reused 0 (delta 0)
To https://github.com/gvwilson/benny.git
   377cd64..7eb7647  master -> master
~/benny: █
```

For SIAM tutorial. — Edit

1 commit 1 branch 0 releases 1 contributor

branch: master - benny / +

Initial commit

gvwilson authored 8 minutes ago

latest commit 377cd64b

README.md

Initial commit

8 minutes

README.md

benny

For SIAM tutorial.



This repository Search

Explore Gist Blog Help



gvwilson / benny

Unwa

History for [benny](#) / marco.txt

Commits on Mar 17, 2015



Updating the file

gvwilson authored an hour ago



First version of Marco

gvwilson authored an hour ago


```
~/benny: cat README.md
```

```
# benny
```

```
For SIAM tutorial.
```

```
~/benny: git push origin master
```

```
Username for 'https://github.com': gvwilson
```

```
Password for 'https://gvwilson@github.com':
```

```
Counting objects: 8, done.
```

```
Delta compression using up to 4 threads.
```

```
Compressing objects: 100% (5/5), done.
```

```
Writing objects: 100% (8/8), 856 bytes | 0 bytes/s,  
done.
```

```
Total 8 (delta 0), reused 0 (delta 0)
```

```
To https://github.com/gvwilson/benny.git
```

```
377cd64..7eb7647 master -> master
```

```
~/benny: █
```

SIAM CONFERENCE ON
COMPUTATIONAL SCIENCES



BRUSSELS, MARCH 14 - WEDNESDAY, MARCH 18, 2015
The Eugene S. Robertson Ball Plaza
Columbus Estate
Fair Lakes City, VA 22034

WELCOME

WI-FI USAGE POLICY

Welcome to the Salt Palace Convention Center

This Wi-Fi network has been provided by the SIAM CSE Conference for their attendees and guests. Service accessible in all SIAM Meeting Rooms.

By connecting to this network, you agree to the terms set forth in the Salt Palace Convention Center's Wi-Fi Usage Policy.

For assistance with wireless services call (385) 468-2229 or stop by the Business Center.

© 2015 Salt Palace Convention Center. All Rights Reserved.

Event code

:

GENERATE ACCOUNT

404

This is not the
web page you
are looking for.



Find code, projects, and people on GitHub:

Search GitHub

Explore Gist Blog Help



Gus Hart
glwhart

Brigham Young University
United States
gus.hart@gmail.com
http://msg.byu.edu
Joined on Jun 6, 2014

Contributions Repositories Public activity

Popular repositories

- benny** SIAM tutorial 0 stars
- enum4** Subjective-resolution enhanced version of the f... 0 stars

Repositories

- rosenbrock** Python Emac...

Public contributions

Mar Apr May Jun Jul Aug Sep Oct Nov



Summary of Pull Requests, issues opened, and commits. [Learn more.](#)

Contributions in the last year

3 total

Longest streak

1 day

 **gwwilson / heidi**
forked from [giwhart/heidi](#)

 Unwatch

Ooh the power — Edit

 1 commit

 1 branch

 0 releases

 1 contributor

 branch: **master** - **heidi** / +

This branch is even with [giwhart:master](#)

 Pull Request 

Initial commit

 **giwhart** authored a minute ago

latest commit [b8927a](#)

 [README.md](#)

Initial commit

a minute ago

 [README.md](#)

heidi

```
~/benny: git push origin master
Username for 'https://github.com': gvwilson
Password for 'https://gvwilson@github.com':
Counting objects: 8, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (5/5), done.
Writing objects: 100% (8/8), 856 bytes | 0 bytes/s,
done.
Total 8 (delta 0), reused 0 (delta 0)
To https://github.com/gvwilson/benny.git
   377cd64..7eb7647  master -> master
~/benny: cd
~: git clone https://github.com/gvwilson/heidi.git
Cloning into 'heidi'...
```

Settings

HTTPS: copy URL

0000000000000000000000000000000000000000



0000000000000000000000000000000000000000

```
Compressing objects: 100% (5/5), done.  
Writing objects: 100% (8/8), 856 bytes | 0 bytes/s,  
done.  
Total 8 (delta 0), reused 0 (delta 0)  
To https://github.com/gvwilson/benny.git  
377cd64..7eb7647 master -> master  
~/benny: cd  
~: git clone https://github.com/gvwilson/heidi.git  
Cloning into 'heidi'...  
remote: Counting objects: 3, done.  
remote: Total 3 (delta 0), reused 3 (delta 0), pack  
-reused 0  
Unpacking objects: 100% (3/3), done.  
Checking connectivity... done.  
~: █
```

 Settings

HTTPS clone URL

<https://github.com>

You can clone with HTTPS or SSH

```
Total 8 (delta 0), reused 0 (delta 0)
To https://github.com/gwilson/benny.git
   377cd64..7eb7647  master -> master
~/benny: cd
~: git clone https://github.com/gwilson/heidi.git
Cloning into 'heidi'...
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack
-reused 0
Unpacking objects: 100% (3/3), done.
Checking connectivity... done.
~: cd heidi
~/heidi: ls
README.md
~/heidi: █
```

 Settings

HTTPS clone URL

<https://github.com> 

You can clone with HTTPS, SSH


```
377cd64..7eb7647 master -> master
~/benny: cd
~: git clone https://github.com/gwilson/heidi.git
Cloning into 'heidi'...
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack
-reused 0
Unpacking objects: 100% (3/3), done.
Checking connectivity... done.
~: cd heidi
~/heidi: ls
README.md
~/heidi: git remote
origin
~/heidi: █
```

 Settings

HTTPS clone URL

<https://github.com>

You can clone with HTTPS or SSH

```
remote: Total 3 (delta 0), reused 3 (delta 0), pack
-reused 0
Unpacking objects: 100% (3/3), done.
Checking connectivity... done.
~: cd heidi
~/heidi: ls
README.md
~/heidi: git remote
origin
~/heidi: git remote -v
origin https://github.com/gvwilson/heidi.git (fetc
h)
origin https://github.com/gvwilson/heidi.git (push
)
~/heidi: █
```

 Settings

HTTPS clone URL

<https://github.com>

You can clone with HTTPS, SSH

```
567  history
568  git pull origin master
569  history
570  ls
571  cat README.md
572  git push origin master
573  cd
574  git clone https://github.com/gwilson/heidi.
git
575  cd heidi
576  ls
577  git remote
578  git remote -v
579  history
~/heidi: █
```

 Settings

HTTPS clone URL

<https://github.com>

You can clone with HTTPS, SSH

GNU nano 2.0.6

File: siam.txt

Modified

Wha

[New File]

^G	Get H	^O	Write	^R	Read	^Y	Prev	^K	Cut T	^C	Cur Pos
^X	Exit	^J	Justi	^W	Where	^V	Next	^U	UnCut	^T	To Spell

 Settings

HTTPS clone URL

<https://github.com>

You can clone with HTTPS, SSH

```
568 git pull origin master
569 history
570 ls
571 cat README.md
572 git push origin master
573 cd
574 git clone https://github.com/gwilson/heidi.
git
575 cd heidi
576 ls
577 git remote
578 git remote -v
579 history
~/heidi: nano siam.txt
~/heidi: █
```


 Settings

HTTPS clone URL

<https://github.com>

You can clone with HTTPS, SSH


```
569 history
570 ls
571 cat README.md
572 git push origin master
573 cd
574 git clone https://github.com/gwilson/heidi.
git
575 cd heidi
576 ls
577 git remote
578 git remote -v
579 history
~/heidi: nano siam.txt
~/heidi: git add siam.txt
~/heidi: git commit -m "
```

 Settings

HTTPS clone URL

<https://github.com>

You can clone with HTTPS or

```
570  ls
571  cat README.md
572  git push origin master
573  cd
574  git clone https://github.com/gwilson/heidi.
git
575  cd heidi
576  ls
577  git remote
578  git remote -v
579  history
~/heidi: nano siam.txt
~/heidi: git add siam.txt
~/heidi: git commit -m "Starting thesis - make supe
rvisor happy"
```

 Settings

HTTPS clone URL

<https://github.com>

You can clone with HTTPS, SSH

```
576  ls
577  git remote
578  git remote -v
579  history
~/heidi: nano siam.txt
~/heidi: git add siam.txt
~/heidi: git commit -m "Starting thesis - make supervisor happy"
[master d59b4c4] Starting thesis - make supervisor happy
1 file changed, 2 insertions(+)
create mode 100644 siam.txt
~/heidi: git push origin master
Username for 'https://github.com': gvwilson
Password for 'https://gvwilson@github.com':
```

 Settings

HTTPS clone URL

https://github.com 

You can clone with HTTPS, SSH

```
~/heidi: nano siam.txt
~/heidi: git add siam.txt
~/heidi: git commit -m "Starting thesis - make supervisor happy"
[master d59b4c4] Starting thesis - make supervisor happy
 1 file changed, 2 insertions(+)
 create mode 100644 siam.txt
~/heidi: git push origin master
Username for 'https://github.com': gvwilson
Password for 'https://gvwilson@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/gvwilson/heidi.git/'
~/heidi: █
```

 Settings

HTTPS clone URL

<https://github.com>

You can clone with HTTPS, SSH


```
~/heidi: git add siam.txt
~/heidi: git commit -m "Starting thesis - make supervisor happy"
[master d59b4c4] Starting thesis - make supervisor happy
 1 file changed, 2 insertions(+)
 create mode 100644 siam.txt
~/heidi: git push origin master
Username for 'https://github.com': gvwilson
Password for 'https://gvwilson@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/gvwilson/heidi.git/'
~/heidi: git push origin master
```

Safari

HTTPB 0000:0000

00:00:00:00:00:00:00:00




```
Username for 'https://github.com': gvwilson
Password for 'https://gvwilson@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/gvwilson/heidi.git/'
~/heidi: git push origin master
Username for 'https://github.com': gvwilson
Password for 'https://gvwilson@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 372 bytes | 0 bytes/s,
done.
Total 3 (delta 0), reused 0 (delta 0)
```

Settings

HTTPS

100% (3/3)



 [glwhart](#) / [heidi](#)

Starting thesis - make supervisor happy #1

 **Open** [gvwilson](#) wants to merge 1 commit into [glwhart:master](#) from [gvwilson:master](#)

 Conversation 0  Commits 1  Files changed 1



gvwilson commented just now

This is a really good start to my thesis, no?

  Starting thesis - make supervisor happy

Add more commits by pushing to the **master** branch on [gvwilson/heid](#).



Checking for ability to automatically merge...



gvwilson commented just now

I'm not sure this is the direction we want the project to go...

Add more commits by pushing to the **master** branch on **gvwilson/heidis**.



This pull request can be automatically merged by project collaborators.

Only those with [write access](#) to this repository can merge pull requests.



Write Preview

Markdown supported Edit in full

Leave a comment

Attach images by dragging & dropping or [selecting them](#).

Close pull request

Comm



Search GitHub

Explore Gist Blog Help



Software Carpentry

<http://software-carpentry.org/> info@software-carpentry.org

Filters - Find a repository...

+ New repository

[git-novice](#)

HTML ★ 7 | 38

Software Carpentry introduction to Git for novices.

Updated an hour ago

[training-course](#)

HTML ★ 5 | 87

Instructor training course

Updated 2 hours ago

swcarpentry / git-novice

Unw

Minor language simplification #69

Open ethanwhite wants to merge 1 commit into swcarpentry:gh-pages from ethanwhite:simplify-language

Conversation 5 Commits 1 Files changed 1



ethanwhite commented 3 days ago

Collaborator

Language like "do so" and "for posterity" may be confusing for non-native English speakers. This makes this language more straight forward.

This PR is currently missing updated html because until #68 goes in the diff shows far more change has actually happened. I'll be happy to add the html changes after #68 is merged.

Minor language simplification ...



r-gaia-cs commented 3 days ago

Collaborator



This repository Search

Explore Gist Blog Help



gvwilson / iuse2014
forked from swcarpentry/iuse2014

IUSE NSF proposal — Edit

236 commits

1 branch

0 releases

9 contributors



branch: master iuse2014 / +

This branch is 1 commit ahead of swcarpentry:master

Pull Request

Moving files around and storing the reviews from NSF's rejection

gvwilson authored on Jun 18, 2014

latest commit 00

- assets Clearing out unused files and moving others to 'assets'
- bio Moving files around and storing the reviews from NSF's rejection
- reviews Moving files around and storing the reviews from NSF's rejection
- support Moving files around and storing the reviews from NSF's rejection
- attention Do not include Mac OS Store in repo

```
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/gvwilson/heidi.git/'
~/heidi: git push origin master
Username for 'https://github.com': gvwilson
Password for 'https://gvwilson@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 372 bytes | 0 bytes/s,
done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/gvwilson/heidi.git
   b8927ac..d59b4c4  master -> master
~/heidi:
```

- Books
- Kindle Store
- Industrial & Scientific
- Apps & Devices
- Books Language
- Computer Platform Books
- Computer User Books

Did you mean: **git**



Rys Git Tutorial (Nov 05, 2014)
by Ross Hatcher
Kindle Edition
~~\$0.00~~
Available for download

★★★★★ - 1
Reviews: See all 4,233 more



Version Control with Git: Powerful tools and techniques for collaborative software development (Aug 15, 2014)
by Jon Loebach and Stephen Oetzel
Kindle Edition
Paperback
From ~~\$9.99~~ to ~~\$6.99~~
~~\$19.99~~ to ~~\$6.99~~
Available for download

★★★★★ - 11
Reviews: See all 10,000 more



Learn Version Control with Git: A step-by-step course for the complete beginner (Mar 1, 2014)
by Thomas Stach
Kindle Edition
~~\$7.92~~
Available for download

★★★★★ - 1
Reviews: See all 4,233 more



Pro Git (Oct 01, 2014)
by Scott Chacon, Ben Straub
Paperback
~~\$49.99~~ ~~\$45.99~~
Get a free Kindle eBook
New Kindle Edition
~~\$49.99~~ ~~\$45.99~~
Available for download

★★★★★ - 1
Need to register for a Kindle gift card
to get shipping on books you don't
own. See all 4,233 more



Git in Practice (Oct 10, 2014)

Python Programming Books | Java | PHP | Python Learn more

1 Result for search results for "git"



Introducing GitHub: A Non-Technical Guide Paperback

December 1, 2014
by Peter Deil (Author), Brent Dean (Author)

★☆☆☆☆ 1 customer review

ISBN-13: 978-1491949740 ISBN-10: 1491949740 Edition: 1st

Buy New
Price: \$18.62

34 New from \$12.28 13 Used from \$13.13

	Amazon Price	New from	Used from
Kindle	\$11.26	--	--
Paperback	\$18.62	\$12.28	\$13.13

FREE TWO-DAY SHIPPING FOR COLLEGE STUDENTS

Learn more

If you're new to GitHub, this concise book shows you just what you need to get started and no more. It's perfect for project and product managers, stakeholders, and other team members who want to collaborate on a development project—whether it's to review and comment on work in progress or to contribute specific changes. It's also great for developers just learning GitHub.

With its easy-to-use interface, GitHub is a powerful tool for professional developers. But it's also great for...

[Read more](#)

The Big Books of Spring
See our editors' picks for the books you'll want to read this season, from blockbusters and biographies to new fiction and children's books.

Share

Buy New \$18.62

Qty: 1 List Price: \$24.99 Save: \$6.37 (25%)

In Stock.
Ships from and sold by Amazon.com.
Gift-wrap available.

Add to Cart

Sign in to turn on 1-click ordering

This item ships to **Toronto, Canada**.
Want it Friday, March 20? Order within **22 hrs 6 mins** and choose **AmazonGlobal Priority Shipping** at checkout. [Learn more](#)

Shipping Address

Greg Wilton - Toronto

Buy Used \$16.46

Add to Wish List

Sell yours for a Gift Card
We'll buy it for **\$4.29**
[Learn More](#)



source-tree

Images Videos

SourceTree - Free Mercurial and Git Client for Windows and ...

SourceTree is a free Mercurial and Git Client for Windows and Mac that provides a practical interface for your hg and Git repositories.

[source-tree.com](#)

Download SourceTree for free - Free Mercurial and Git Client ...

Connect to Git (also using GitHub) or the cloud. Free unlimited private teams, Git repo management, commit wise, branch-wise & merge conflict ready. Continuous integration and deployment, master management.

[source-tree.com/download](#)

SourceTree from Atlassian - Software Development and ...

SourceTree is a powerful Git and Mercurial client for developers on Mac or Windows. Stay productive to the command line and use the full capabilities of Git and hg through SourceTree's beautifully simple interface.

[atlassian.com/software-development-and-operations](#)

The Official SourceTree Blog - free client for Git and ...

Focus SourceTree. SourceTree is a free Mac client for Git and Mercurial version control systems. Learn More > Follow @sourcetree. Subscribe to the Blog

[blog.source-tree.com](#)

Atlassian SourceTree (@sourcetree) | Twitter

The latest Tweets from Atlassian SourceTree (@sourcetree): The new Mac and Windows client for Mercurial and Git. Brought to you by @atlassian

[twitter.com/sourcetree](#)

Atlassian - Wikipedia, the free encyclopedia

SourceTree is a free Mercurial and Git Client for Windows and Mac that provides a practical interface for your hg and Git repositories. Atlassian is headquartered in Sydney, Australia and has offices in Amsterdam, San Francisco, Austin and Tokyo.

[en.wikipedia.org/wiki/SourceTree](#)

The screenshot shows the Stash application interface. At the top, there's a toolbar with various icons for commit, push, pull, and other actions. Below that is a table of commit history:

Commit	Description	Author	Date
124102c	Corrected minor spelling errors	Christian Zachariasen <c...	Feb 22, 2012, 11:25 AM
a27629d	Merge pull request #144 from mattstevens/custom-defaults...	Andy Matuschak <andy@...	Feb 14, 2012, 9:52 PM
64c15db	Merge pull request #145 from mattstevens/install-on-quit...	Andy Matuschak <andy@...	Feb 14, 2012, 5:48 PM
8bc1188	Clear up after install on quit updates	Matt Stevens <mstev@bali...	Feb 13, 2012, 5:00 AM
7597571	Support a custom user defaults domain	Matt Stevens <mstev@bali...	Feb 11, 2012, 10:31 PM
445b00e	Merge pull request #139 from mattstevens/pull-follows-wait	Andy Matuschak <andy@...	Feb 9, 2012, 6:37 AM
4c25737	Merge pull request #147 from mstev/master	Andy Matuschak <andy@...	Feb 9, 2012, 6:14 AM
88d4934	Improve Japanese translation	Kochi MATSUMOTO <ma...	Feb 9, 2012, 6:37 AM

Below the table, there's a diff view for a commit. The diff shows changes to a file named 'Sparkle.m'. The code snippet is as follows:

```

  18 |         NSLog(@"Sparkle Error: the bundle being updated at %d
  19 |
  20 |         defaultsDomain = [[NSBundle objectForInfoDictionaryKey:SUDE
  21 |         ]? [[defaultsDomain]]
  22 |         defaultsDomain = [[NSBundle mainBundle] valueForKey:
  
```

CONNECTS WITH OTHER GIT & HG SERVICES



Full-powered DVCS

Say goodbye to the command line – use the full