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Git is...

Git is a **free & open source, distributed version control system** designed to handle everything from small to very large projects with speed and efficiency.

Every Git clone is a full-fledged repository with complete history and full revision tracking capabilities, not dependent on network access or a central server. **Branching and merging are fast** and easy to do.

Git is used for version control of files, much like tools such as [Mercurial](http://mercurial.selenic.com/), [Bazaar](http://bazaar-vcs.org/), [Subversion](http://subversion.tigris.org/), [CVS](http://www.nongnu.org/cvs/), [Perforce](http://www.perforce.com/), and [Team Foundation Server](http://www.microsoft.com/visualstudio/en-us/products/2010-editions/team-foundation-server).

Projects using Git

- [Git](https://github.com/gitster/git)
- [Linux Kernel](https://github.com/torvalds/linux)
- [Perl](http://perl5.git.perl.org/perl.git)
- [Eclipse](http://git.eclipse.org)
- [Gnome](http://git.gnome.org/cgit/)
- [KDE](http://gitweb.kde.org/)
- [Qt](http://qt.gitorious.org)
- [Ruby on Rails](http://github.com/rails/rails/tree/master)
- [Android](https://github.com/android)
- [PostgreSQL](http://git.postgresql.org/gitweb)
- [Debian](http://git.debian.org/)
- [X.org](http://www.x.org/wiki/Development/git)

Download Git

The latest stable Git release is
v1.7.7.4

[release notes](https://raw.githubusercontent.com/gitster/git/master/Documentation/RelNotes/1.7.7.4.txt) (2011-11-18)



<http://code.google.com/p/msysgit/downloads>



<http://code.google.com/p/git-osx-installer>



<http://code.google.com/p/git-core/downloads>

[/list?can=3\)](#)[/downloads/list?can=3\)](#)[/detail?name=git-1.7.7.4.tar.gz\)](#)

Windows (<http://code.google.com/p/msysgit/downloads/list?can=3>)

Mac OSX (<http://code.google.com/p/git-osx-installer/downloads/list?can=3>)

Source (<http://code.google.com/p/git-core/downloads/detail?name=git-1.7.7.4.tar.gz>)

Older Releases (<http://code.google.com/p/git-core/downloads/list>)

Git Source Repository (<https://github.com/gitster/git>)

Git Quick Start

Cloning and Creating a Patch

```
$ git clone git://github.com/git/hello-world.git
$ cd hello-world
$ (edit files)
$ git add (files)
$ git commit -m 'Explain what I changed'
$ git format-patch origin/master
```

Creating and Committing

```
$ cd (project-directory)
$ git init
$ (add some files)
$ git add .
$ git commit -m 'Initial commit'
```

Got a Question?

Chat

If you are curious about something, feel free to ask on the IRC channel dedicated to Git - [#git on freenode \(irc://irc.freenode.net/git\)](irc://irc.freenode.net/git)

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FAQ

If you have a question that you think might be common, you can quickly check the [Git FAQ \(http://git.wiki.kernel.org/index.php/GitFaq\)](http://git.wiki.kernel.org/index.php/GitFaq) page.

Email

You can also ask the Git community directly at our [git@vger.kernel.org mailing list \(http://dir.gmane.org/gmane.comp.version-control.git\)](mailto:git@vger.kernel.org). Bug reports should be sent to this list.

To learn more about how to use Git, move along to the [Documentation \(/documentation\)](#)

Git is a member of the [Software Freedom Conservancy \(/sfc\)](#)

This page is maintained by Scott Chacon.

Please email me at [schacon@gmail.com \(mailto:schacon@gmail.com\)](mailto:schacon@gmail.com) with patches, suggestions and comments.

Source for this [website \(http://github.com/schacon/git scm/tree/master\)](http://github.com/schacon/git scm/tree/master) was forked from Petr Baudis's [git.or.cz \(http://git.or.cz/index.html\)](http://git.or.cz/index.html)

hosting donated by: <http://github.com>

