



Git Installation guide for Mac



Git Installation guide for Mac:

Git is a tool used for source code management. It is a free and open-source version control system used to handle small to very large projects efficiently. Git is used to track changes in the source code, enabling multiple developers to work together on non-linear development.

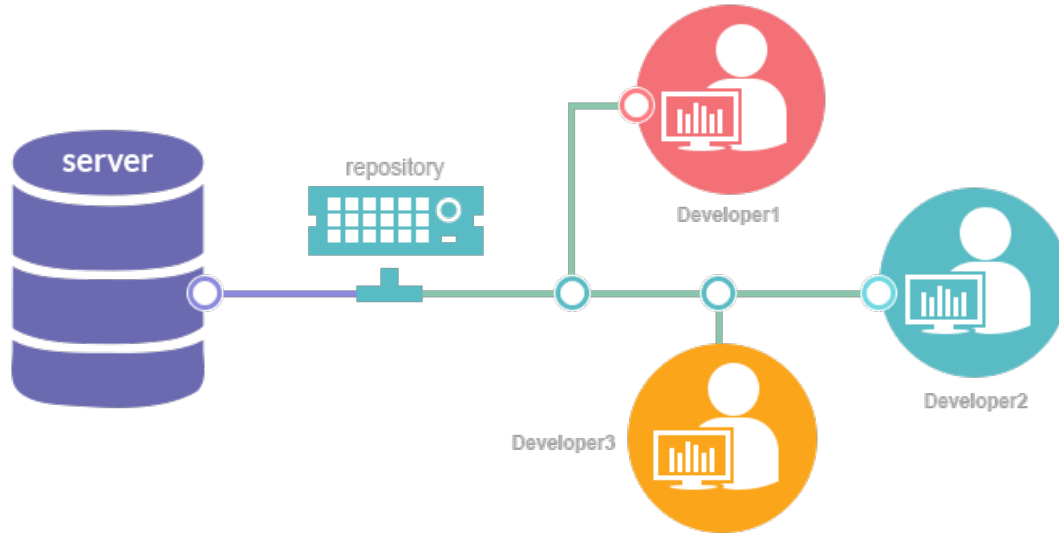
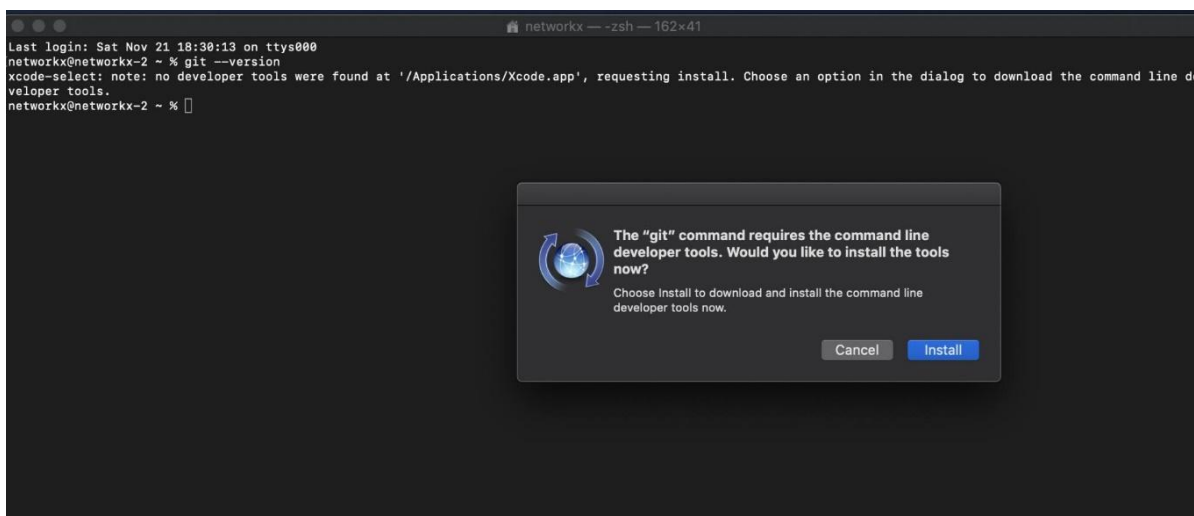


Image depicts the exact utility of Git (repository)

Now that we have understood the utility and importance of Git, let us install and use it for our source codes and mini projects (in future)! Afterall, we are the future developers!

There are different ways to install Git on Mac OSX. You can install Git using Homebrew, MacPorts, or by downloading the Git installer package.

1. Firstly, check if Git is already installed on your Mac using the following command on your terminal : `git --version`
2. If Git isn't already installed, terminal will prompt the following message:



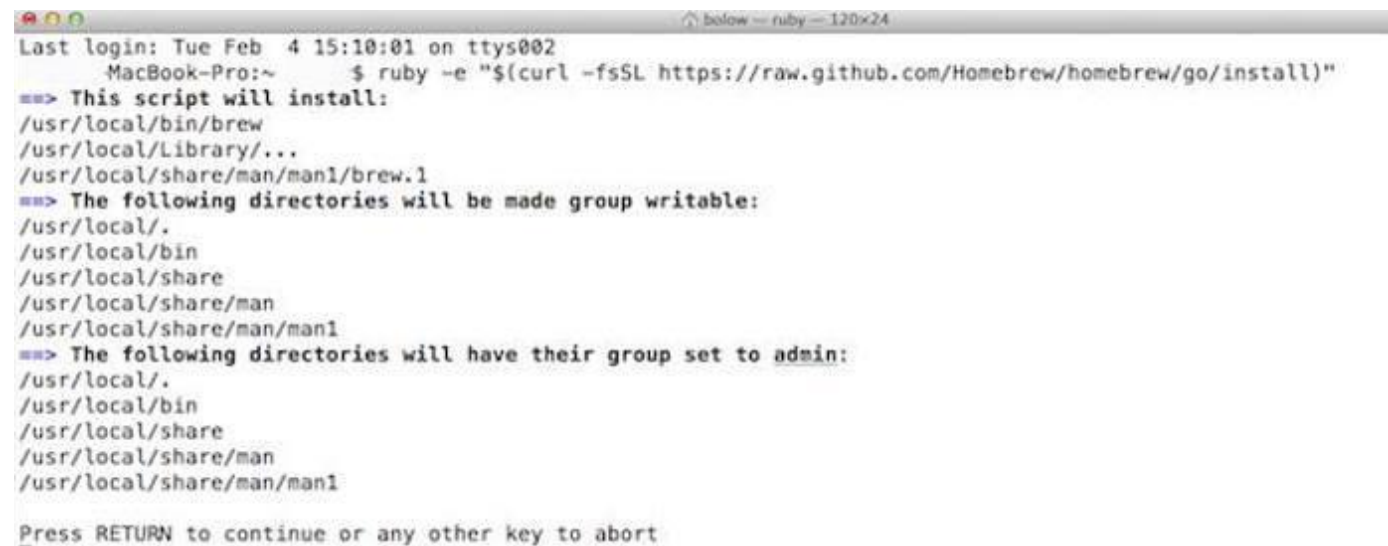
3. Click on 'Install' to install the developer tools to use Git on your Mac.

The Mac developer tools include Xcode and the Xcode app development utilities. After you follow the prompts, agree to them, and download Git for Mac, at the end of the process you have a working version of Git.

Install Git using Homebrew on Mac

1. Execute the command mentioned below, on your Mac terminal:

```
/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install.sh)"
```



```

Last login: Tue Feb  4 15:10:01 on ttys002
MacBook-Pro:~ $ ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/homebrew/go/install)"
==> This script will install:
/usr/local/bin/brew
/usr/local/Library/...
/usr/local/share/man/man1/brew.1
==> The following directories will be made group writable:
/usr/local/.
/usr/local/bin
/usr/local/share
/usr/local/share/man
/usr/local/share/man/man1
==> The following directories will have their group set to admin:
/usr/local/.
/usr/local/bin
/usr/local/share
/usr/local/share/man
/usr/local/share/man/man1

Press RETURN to continue or any other key to abort

```

2. Press 'return' when you see this prompt. Once the installation is complete, you will see the success message as shown below.



```

Password:
==> /usr/bin/sudo /usr/bin/chgrp admin /usr/local/. /usr/local/bin /usr/local/share /usr/local/share/man /usr/local/share/man/man1
==> Downloading and installing Homebrew...
remote: Counting objects: 148563, done.
remote: Compressing objects: 100% (43540/43540), done.
remote: Total 148563 (delta 103949), reused 148559 (delta 103949)
Receiving objects: 100% (148563/148563), 29.31 MiB | 6.61 MiB/s, done.
Resolving deltas: 100% (103949/103949), done.
From https://github.com/Homebrew/homebrew
 * [new branch]      master      -> origin/master
HEAD is now at 21ae5fa gst-plugins-bad: add gnutls option.
==> Installation successful!
You should run 'brew doctor' *before* you install anything.
Now type: brew help
MacBook-Pro:~ $

```

3. The Homebrew version you installed may not be the most recent stable build. It is, therefore, highly recommended that you update it.

4. To update Homebrew, use the command mentioned below, in your terminal:
brew update

5. In the final step, install Git by running the command mentioned below:
brew install git

6. To check if Git was successfully installed on your system use the following command on your terminal:
git --version

Congratulations, future developers! Your Git is ready to use now!