

## Git GUI

### Git Installation

# Download GIT

## Downloading Git



### Your download is starting...

You are downloading the latest (2.11.0) 64-bit version of Git for Windows. This is the most recent [maintained build](#). It was released 29 days ago, on 2016-12-01.

If your download hasn't started, [click here to download manually](#).

### Other Git for Windows downloads

Git for Windows Setup

[32-bit Git for Windows Setup](#).

[64-bit Git for Windows Setup](#).

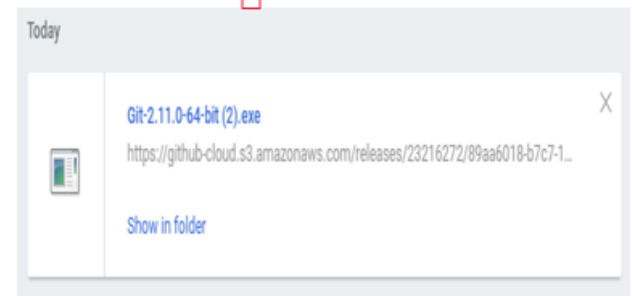
Git for Windows Portable ("thumbdrive edition")

[32-bit Git for Windows Portable](#).

[64-bit Git for Windows Portable](#).

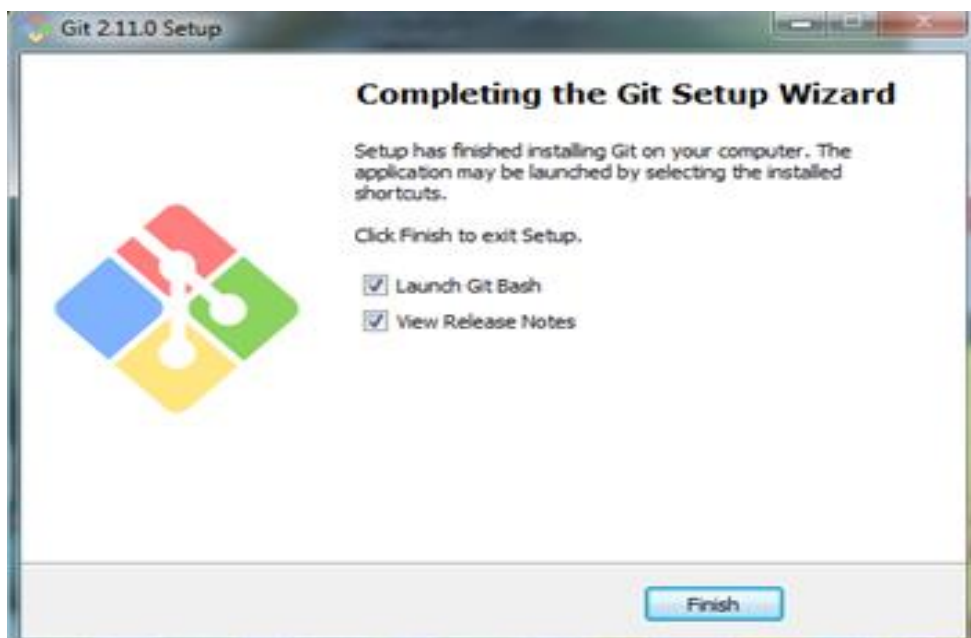
The current source code release is version 2.11.0. If you want the newer version, you can build it from the [source code](#).

Clicking on this you can install git in your system



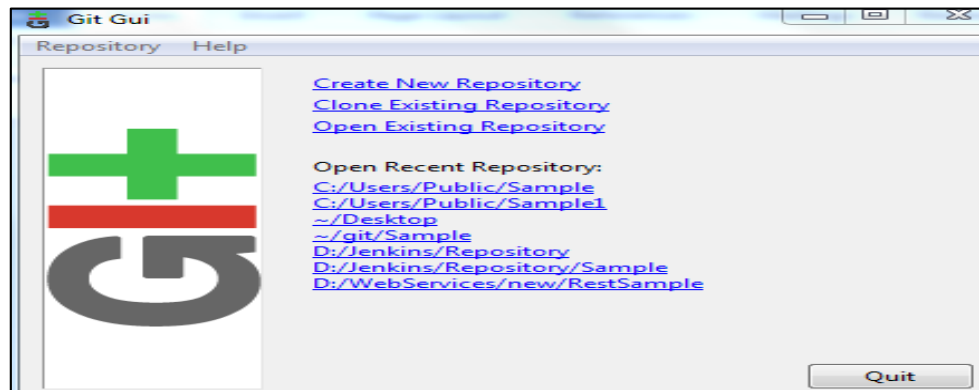
Click next to proceed further installation process.

Installation ends with,

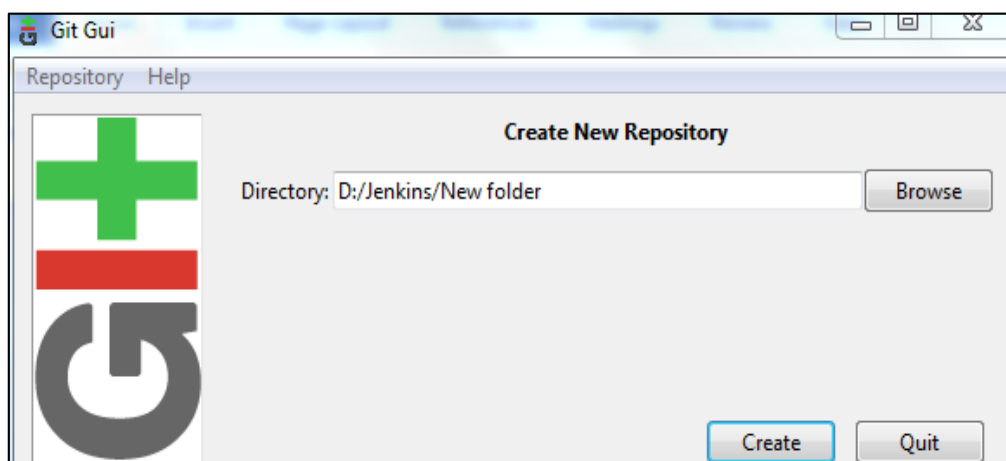


## Creating Master Repository

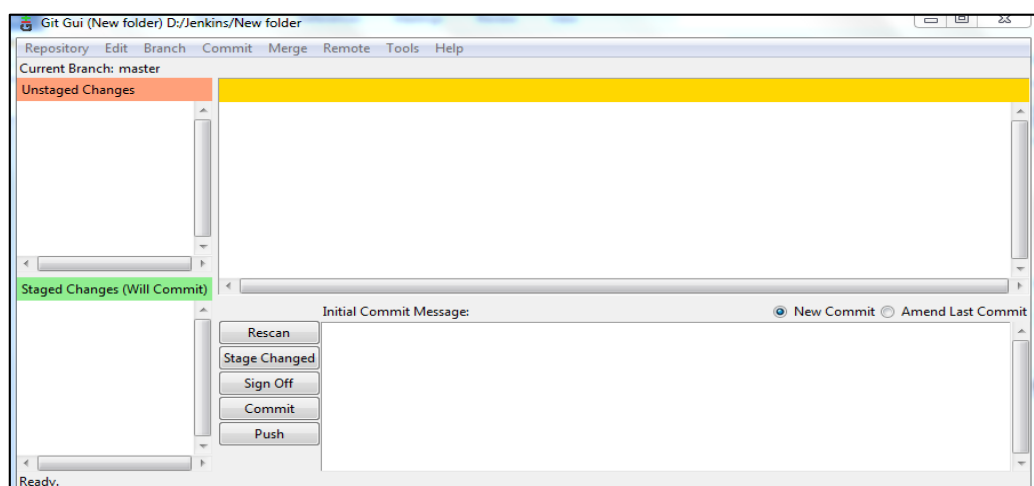
1. Creating goto -> windows -> search GIT GUI



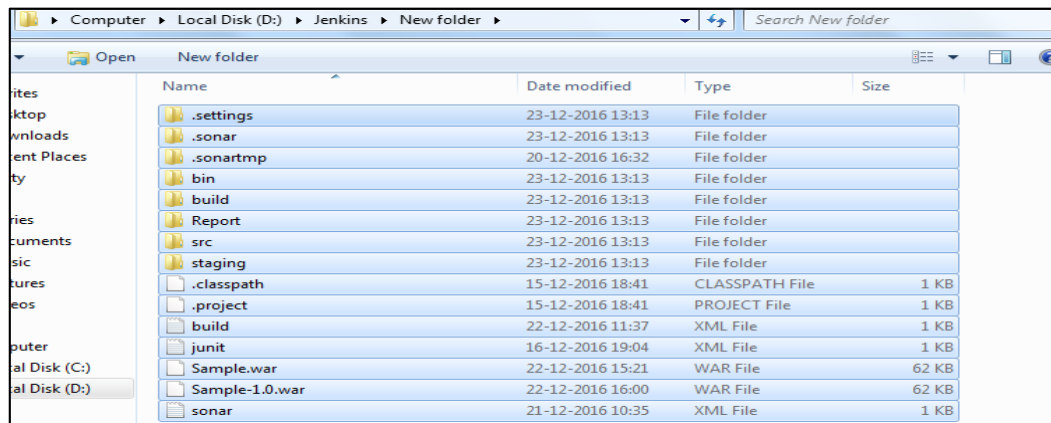
2. Select create new Repository



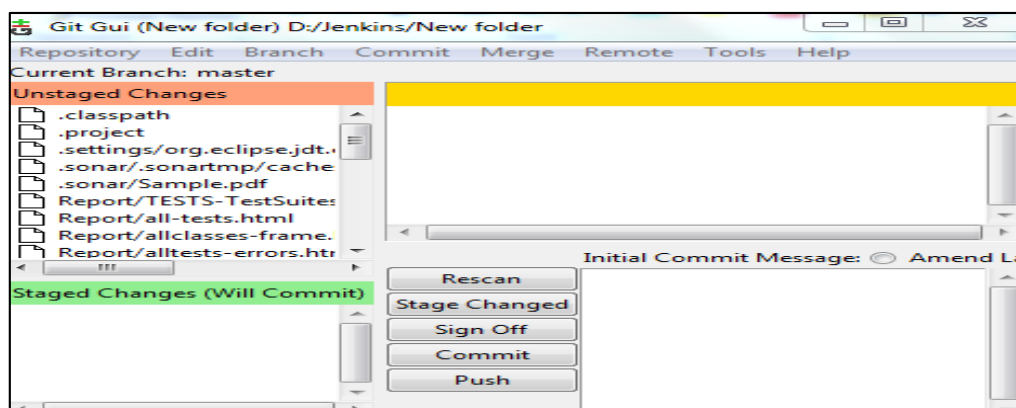
3. It will create new git repository and Git Gui will open for that new repository



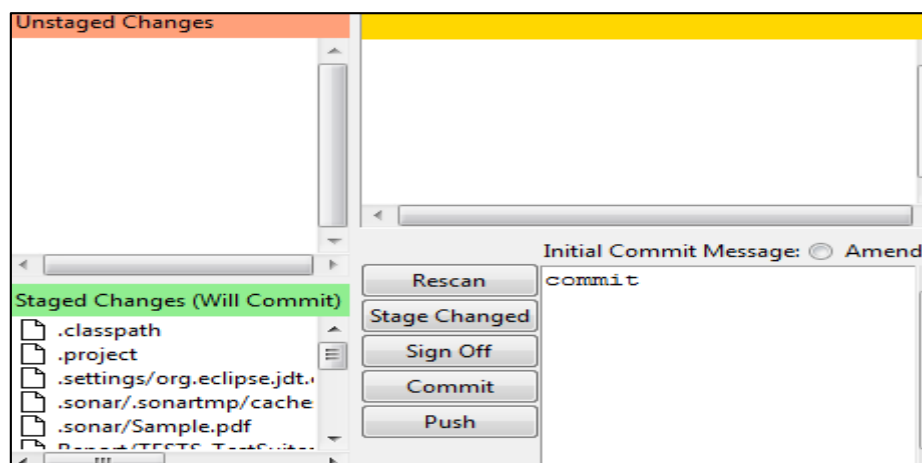
- Copy the source content to the new repository and save



- Once copied the source to the new repository ..In Git Gui all the source file will appear in the **Unstaged Changes** section



- We have to click on **Stage Changed** and it comes to **staged changes** after which we have to give command as "**commit**". code will commit at this point.

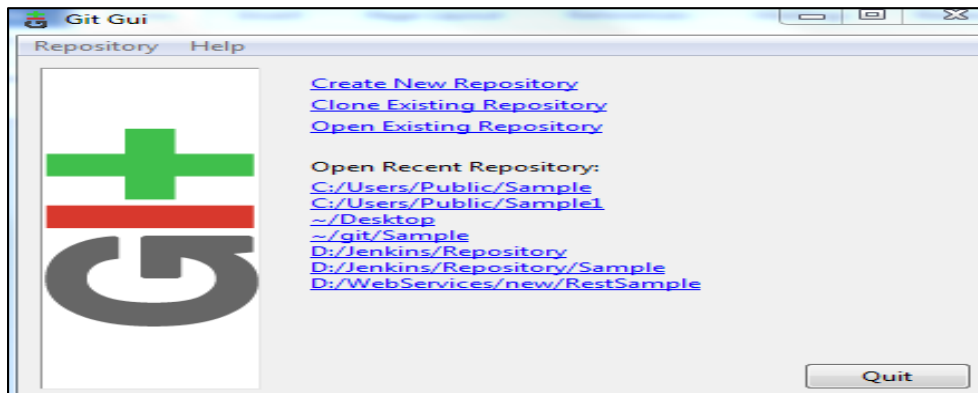


Now master repository is ready with the source!!!

Next step is to clone the repository..

## Clone the repository

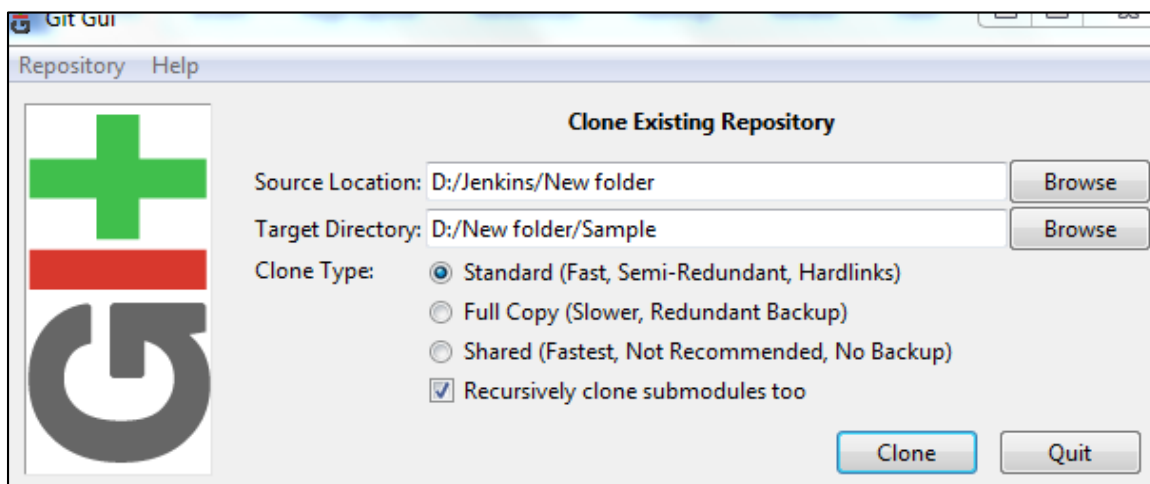
1. In Git Gui , Click on clone existing Repository and give Source location and target directory



2. Specify the source and target location

**Source Location** → where the master repository placed

**Target Directory** → where the cloned repository will be placed....it should also be the git repository



3. Click on **clone**. Now the source code has been cloned and the cloned repository contains all the source code content
4. We have to use the cloned repository URL for modifications.

[D:/New folder/Sample](#)

## Note:

### **1. Post Commit**

- a. In the cloned git repository there will be .git file

Name	Date modified	Type	Size
.git	6/30/2017 2:50 PM	File folder	
.settings	6/30/2017 2:35 PM	File folder	
.sonar	6/30/2017 2:35 PM	File folder	
src	6/30/2017 2:35 PM	File folder	
target	6/30/2017 2:35 PM	File folder	
.project	6/21/2017 4:52 PM	PROJECT File	1 KB
pom	6/15/2017 11:15 PM	XML Document	3 KB
sampledemo-1.0.war	6/30/2017 12:05 PM	WAR File	13,845 KB

Navigate into .git folder->hooks->

applypatch-msg	22-03-2017 16:00	SAMPLE File	1 KB
commit-msg	22-03-2017 16:00	SAMPLE File	1 KB
post-commit	22-03-2017 17:11	SAMPLE File	1 KB
post-update	22-03-2017 16:00	SAMPLE File	1 KB
pre-applypatch	22-03-2017 16:00	SAMPLE File	1 KB
pre-commit	22-03-2017 16:00	SAMPLE File	2 KB
prepare-commit-msg	22-03-2017 16:00	SAMPLE File	2 KB
pre-push	22-03-2017 16:00	SAMPLE File	2 KB
pre-rebase	22-03-2017 16:00	SAMPLE File	5 KB
update	22-03-2017 16:00	SAMPLE File	4 KB

- b. Create post-commit .sample file and include these lines

```
#!/bin/sh
curl http://localhost:8086/jenkins/git/notifyCommit?url=file://
D:\Poc's\Jenkins_Maven\Jenkins_Maven-master\Code\PipelineSample-
master
```

which is used to notify the Jenkins url when the code gets committed