

How do I remove files saying "old mode 100755 new mode 100644" from unstaged changes in Git?

Asked 13 years ago Modified 2 months ago Viewed 280k times

For some reason, when I initially did a pull from the repository for a git project of mine, I got a ton of files in my working copy that have no discernible changes made to them, but keep showing up in my `unstaged changes` area.

912



324



I'm using Git Gui on Windows xp, and when I go to look at the file to see what has changed. All I see is:

```
old mode 100755
new mode 100644
```

Does anyone know what this means?

How can I get these files out of my list of unstaged changes? (Very annoying to have to go through 100's of files, just to pick out files I've recently edited and want to commit).

git git-gui

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edited Nov 1, 2013 at 22:49



Lemmings19

1,189 ● 2 ● 22 ● 33

asked Aug 10, 2009 at 22:30



concept47

28.4k ● 12 ● 49 ● 72

For the full, gory details on what `core.filemode` is all about, see [my answer here](#). Note that every Git repository is supposed to have its own `core.filemode` setting, set by Git at the time Git created that repository; that setting is *supposed* to be the right one for that one repository. If it's wrong for some reason, you can change it. – [torek](#) Sep 29, 2021 at 16:48

16 Answers

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That looks like unix file permissions modes to me (`755` = `rw-r-xr-x`, `644` = `rw-r--r--`) - the old mode included the `+x` (executable) flag, the new mode doesn't.

1604



```
git config core.filemode false
```



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edited Aug 12, 2016 at 12:17



Lynn

9,801 ● 40 ● 74

answered Aug 10, 2009 at 22:34



Amber

483k ● 81 ● 613 ● 544

166 +1. This means that git thinks that it can correctly set the executable bit on checked out files, but when it attempts to do so it doesn't work (or at least not in a way that it can read). When it then reads back the status of those files it looks like the executable bit has been deliberately unset. Setting `core.filemode` to false tells git to ignore any executable bit changes on the filesystem so it won't view this as a change. If you do need to stage an executable bit change it does mean that you have to manually do `git update-index --chmod=(+|-)x <path>`. – [CB Bailey](#) Aug 11, 2009 at 6:49

9 If, like me, the mode changes are important, you can set `core.filemode` to false, commit your actual code changes, and then set `core.filemode` to true and git will preserve the file changes. – [Michael T. Smith](#) Sep 26, 2009 at 18:48

8 I have the same problem, but it was due to using the same git repro via SSH git cmd line, and through Git Extensions on a mapped drive in Windows!.. Solution was the same, added into "config" [core] filemode = false – [Ian Vaughan](#) Mar 18, 2010 at 9:07

9 @robsch You can use `git config --global ...` to set the option in your global config file. – [Amber](#) Mar 3, 2015 at 2:38

4 You can use `git config -l --show-origin` to see where each setting is coming from. – [Khouri Giordano](#) Nov 12, 2019 at 18:32