

msysgit error with hooks: "git error: cannot spawn .git/hooks/post-commit: No such file or directory"

Asked 8 years, 6 months ago Active 9 months ago Viewed 30k times



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I'm having trouble getting post-recieve and post-commit hooks to work correctly with msysgit (Windows 7 Pro/32 and Ultimate/64). For post-commit hook I get the above error if I commit from either git-bash or the console, but it works fine if I commit through git-gui. For a post-recieve hook, all three give the same error.



I'm thinking this is some sort of permission or path error, but don't really have any clue where to start here.



windows

git

msysgit

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asked Apr 17 '11 at 23:34



Matt

223

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7 Answers



79

Add the SHEBANG to the first line of hook, like so:

```
#!/bin/sh
echo "executing post-commit"
exit 0
```



This had me stumped for a while as well and I saw that adding the shebang fixed it. In SVN world, while in *nix we have a "pre-commit" script and in Windows we had "pre-commit.bat" and SVN automatically picked up the bat file in Windows. Git doesn't seem to pick up a pre-commit.bat (or any hook) and adding the shebang to the hook file worked.

edited Apr 18 '11 at 2:43

answered Apr 18 '11 at 2:35



manojlds

**229k** 49 398 378

1 And by that he means the very first line. I accidentally had an empty new-line at the top and was getting the same error. – [jeef3](#) Dec 15 '11 at 23:27

Just FYI - the hook file must also be ASCII encoded, I had a tool generating a unicode format hook file, which was getting me the same error since I had some formatting bytes before the bang. – [mamidon](#) Jan 31 '15 at 1:29

Also FYI: On my system, I had a hook with a perl shebang. But the perl.exe was not in the path. After adding it to the env variable, the error went away. – [Fildor](#) May 8 '17 at 10:01



I'm using SourceTree and git LFS and had a similar issue: `cannot spawn .git/hooks/pre-push .`

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The fix was to delete the `pre-push` file (opening it revealed it was badly corrupted) and restart SourceTree at which point it regenerates the `pre-push` file and everything is back to normal.

answered Feb 14 '17 at 0:01

**Jarrod Smith**
3,422 2 29 47

Thank you very much. I had a power outage and for me it was the `post-checkout` file that was corrupted. – [Mark](#) Mar 14 '18 at 17:09



If you have the SHEBANG and it still fails, make sure you have `<path_to_git> \bin` set in your path environment variable.

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You'll probably also have `<path_to_git> \cmd` if you installed it to work from the command-line.

edited Feb 22 '12 at 12:19

answered Feb 22 '12 at 11:38

**Nick Robson**
71 1 2

This is an old question, but I've been fighting with this exact problem and this SO question popped up, so I thought it worth the effort to record what worked for me.

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In short: I needed to run `Apache` as a regular user instead of `Local System`. This was on a legacy test `vm` I was playing with, so it was only running `Windows XP`, but it appears that at least on that platform (and possibly others), `msysgit` just doesn't work properly when running under the `Local System` account (presumably the `root filesystem` isn't mapped properly). As a result, no shebang line will work as `git-http-backend` simply can't execute any `msysgit` binaries (even with absolute `Windows` paths).

Switching `Apache` to run as a regular user account fixed this problem completely. Obviously you need to ensure that the user `Apache` is running as has permissions to `read / write` the `git` repositories, but beyond that, just make sure your `shebang` line is `#!/bin/sh` and everything should be copacetic.

Lastly, yeah, this is a big hammer. Ideally you'd be able to use something like `suexec` on `Windows`, but a quick `googling` doesn't indicate an obvious path forward, there. Of course, if anyone has any ideas, I'd be interested.

For now, this works for me, but it doesn't seem ideal.

edited Aug 28 '12 at 20:46



Mihai Iorga

34.3k 13 89 96

answered Aug 28 '12 at 14:22



user1630539

31 1

I believe the problem indeed is to have `<path_to_git>\bin` in your path. I used a regular user account, and got the same error. Once I have the `bin` in path, I can run as regular user account or `Local System` without any problem. In your case, you might have set the path in your regular user account only. – [Kenneth Xu](#) Nov 11 '12 at 4:02

I'm curious as to where `Apache` fits into all of this. It isn't part of my workflow, but other than that all the symptoms match. `Git`'s there in my global environment `PATH` (`C:\Program Files (x86)\Git\bin` and `..\cmd`). Am I misunderstanding something? – [Barney](#) Sep 26 '13 at 9:54

If someone, like me, runs into a similar problem with accessing `git` repositories through `apache`, you should set the `PATH` in `Apache` config, like:

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```
SetEnv PATH "c:/Program Files (x86)/Git/bin;"
```

answered May 8 '13 at 14:33



Xmister

391 3 8

Thanks [@Xmister](#). We added this to `httpd.conf` and this appeared to address the issue. – [tjg184](#) Dec 31 '13 at 14:18



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Using tortoisegit and LFS, for me just had to remove the files inside of the .git/hooks folder.

answered Jun 20 '18 at 3:58



[Justin Hirsch](#)

233 1 3 8



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For me, removing a comment line on front of the shebang line fixed the error. Oddly, the script ran fine from the shell, just errored out when run as a hook.

answered Jan 12 at 0:06



[T Corman](#)

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