

Git

Test Scenarios

Initial Cloning

Summary: ownership is not preserved.

- Create two files in a remote folder to simulate the wiki install on the server.
- Change their permissions and ownership to match what's on the server:

```
~/gittest/remote$ ls -l

total 24
-rwxrwx--- 1 ptruchon www-data 26 Dec 26 10:20 file1.txt
-rwxrwx--- 1 ptruchon www-data 26 Dec 26 10:20 file2.txt
```

- Initialize git:

```
git init
git add .
git commit -m 'initial commit on remote'
git log

commit 0e5ccdedd1c9188996aadad3a8e2be5a319ab789 (HEAD -> master)
Author: Patrick Truchon <patoo@rbox.me>
Date:   Sun Dec 26 10:21:24 2021 -0800

    initial commit on remote
```

- Create a local folder and clone from remote:

```
git clone ~/gittest/remote/ ~/gittest/local/
```

- The log on the local copy looks good:

```
~/gittest/local$ git log

commit 0e5ccdedd1c9188996aadad3a8e2be5a319ab789 (HEAD -> master, origin/master,
origin/HEAD)
Author: Patrick Truchon <patoo@rbox.me>
Date:   Sun Dec 26 10:21:24 2021 -0800

    initial commit on remote
```

- But the www-data group ownership wasn't preserved:

```
~/gittest/local$ ls -l

total 24
-rwxrwxr-x 1 ptruchon ptruchon 26 Dec 26 10:24 file1.txt
-rwxrwxr-x 1 ptruchon ptruchon 26 Dec 26 10:24 file2.txt
```

- Change the group back to www-data:

```
sudo chgrp www-data *
ls -l

total 24
-rwxrwxr-x 1 ptruchon www-data 26 Dec 26 10:24 file1.txt
-rwxrwxr-x 1 ptruchon www-data 26 Dec 26 10:24 file2.txt
```

Making Local Changes

- Edit file1.txt from the local directory.

```
~/gittest/local$ git status

On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   file1.txt

no changes added to commit (use "git add" and/or "git commit -a")
```

- Commit changes in git:

```
git add .
git commit -m 'changed file1.txt from local'
git status

On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

git log

commit b7d91058fed9fe64c96525a3d0bef56c682ade68 (HEAD -> master)
Author: Patrick Truchon <patoo@rbox.me>
Date:   Sun Dec 26 10:45:41 2021 -0800
```

changed file1.txt from local

```
commit 0e5ccdedd1c9188996aadad3a8e2be5a319ab789 (origin/master, origin/HEAD)
Author: Patrick Truchon <patoo@rbox.me>
Date:   Sun Dec 26 10:21:24 2021 -0800
```

initial commit on remote