≡   ▭(/learn)   ⚙   ▢

Creating and Pushing Branches

Create a branch and push it to the remote repository.

We'll cover the following   ⌃

- Setup
- Creating branch and pushing it

In this section, you're going to familiarise yourself with how branches are managed between the two and what exactly goes on in a push.

Setup

First, set up a simple origin Git repository and clone it like you did before.

```
1   mkdir -p lgthw_pushing
2   cd lgthw_pushing
3   mkdir git_origin
4   cd git_origin
5   git init
6   echo 'first commit' > file1
7   git add file1
8   git commit -am file1
9   cd ..
10  git clone git_origin git_clone
```

Terminal 1   ⟳

Terminal   ⌃

Click to Connect...

As you can see, there are no branches on either the origin or the clone other than the default (`master`):

```
11  cd git_origin
12  git branch -a -v
13  cd ../git_clone
14  git branch -a -v
```

Make sure you understand why there are three lines in the second `git branch` output! If you don't, start the chapter again!

Creating branch and pushing it

Now you're going to create a branch on the clone, do some work on it, and then push it to the remote repository.
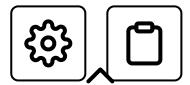
This is a common use-case, as users may experiment with different branches locally and then decide they want to share their work with others by pushing it to a commonly-accessible remote repository, e.g., on GitHub.

```
15  git checkout -b abranch
16  echo 'cloned abranch commit' >> file1
17  git commit -am 'cloned abranch commit'
18  git push origin abranch
```

Terminal 1

Terminal

The key bit there was the `git push` command. The first item after the push specifies the remote (which is `origin` by default) and the branch is the next item (`abranch` here).

Git will create a branch on the remote repository for you if one does not already exist.

← **Back**

Next →

Introduction: Pushing Code

Pushing to Repositories With Differen...

✅ Mark as Completed

⊘ Report an Issue

? Ask a Question
(https://discuss.educative.io/tag/creating-and-pushing-branches__pushing-code__learn-git-the-hard-way)