

Lab: (Sourcetree) Push to a Remote Repository

Estimated time: 10 minutes

Note: This lab assumes that you are using Sourcetree. If you would prefer to use a command line interface, there are separate instructions.

Note: This lab assumes that you have created a remote repository named `projectb`. This was done in the previous lab.

In this lab, you will:

1. Clone your Bitbucket repository.
2. Create a commit in the local repository.
3. Push the commit to the remote repository.

1: Clone your Bitbucket repository.

1. Log into bitbucket.org.
2. Navigate to the `projectb` repository. Click the plus sign on the left and select **Clone this repository**.
3. **(Option 1)** Click **Clone in Sourcetree**. Sourcetree will open with a "Clone new" window. Accept the default information and click **Clone**.

(Option 2) Copy the repository's URL from Bitbucket, then open a new tab in Sourcetree and select **Clone**. Accept the default values.
4. You should now see that you have a local repository named `projectb`. This is a clone of your remote repository.
5. Under the `Remotes` tab, you should see a remote named `origin` associated with your local repository. This is a shortcut name for your `projectb` repository on Bitbucket.
6. Using your operating system's file manager, view the `projectb` project directory in your `repos` directory.

Congratulations, you have cloned your remote repository.

2: Create a commit in the local repository.

1. Using your method of choice, create a `README.md` file in your `projectb` directory. Add "# projectb's README" as the content of this file. This content will show on the home page for the repository on Bitbucket.
2. In Sourcetree, you should see your `README.md` file as untracked. Click to refresh the window if you do not see it. **Stage** the file.
3. Click **Commit** to begin the process of committing the file. Enter "add README.md" as your commit message. Click **Commit**.

Congratulations, you have created a commit in the local repository.

3: Push the commit to the remote repository.

1. Click **Push** to begin the process of pushing your commit to the remote repository.
2. Select the **master** branch and ensure that the `track` checkbox is checked. Because we have not created any branches, our initial commit was on the default branch named `master`. The `tracked` checkbox

associates the master branches on the local and remote repositories.

3. Click **Push** or **Ok** to push the commit to Bitbucket.
4. In your browser, navigate to Bitbucket. Navigate to your `projectb` repository. Click on the **Source** tab.
You should see your commit. You have synchronized your local and remote repositories.
5. Click the README.md link to view the file that you created.

Congratulations. You have cloned and committed to your remote repository.