

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. Select the `projectb` repository.
3. Navigate to `projectb`. Click the plus sign on the left and select **Clone this repository**.
4. **(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.
5. You should now see that you have a local repository named `projectb`. This is a clone of your remote repository.
6. 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.
7. 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 **Commits** tab. You should see your commit. You have synchronized your local and remote repositories.
5. In Bitbucket, click on the Overview tab. You should see the content of the `README.md` file that you created.

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