

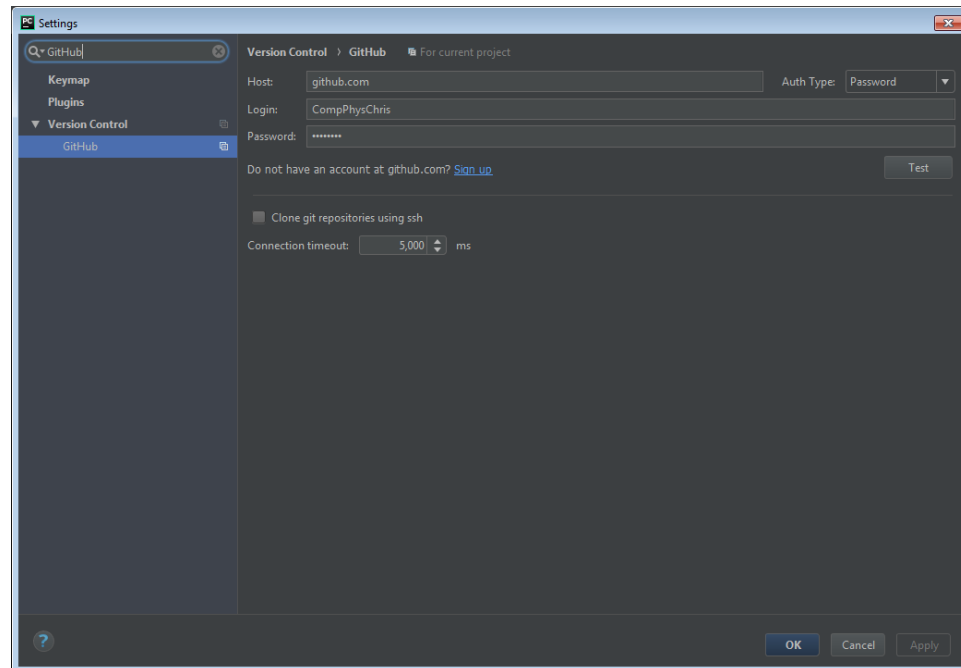
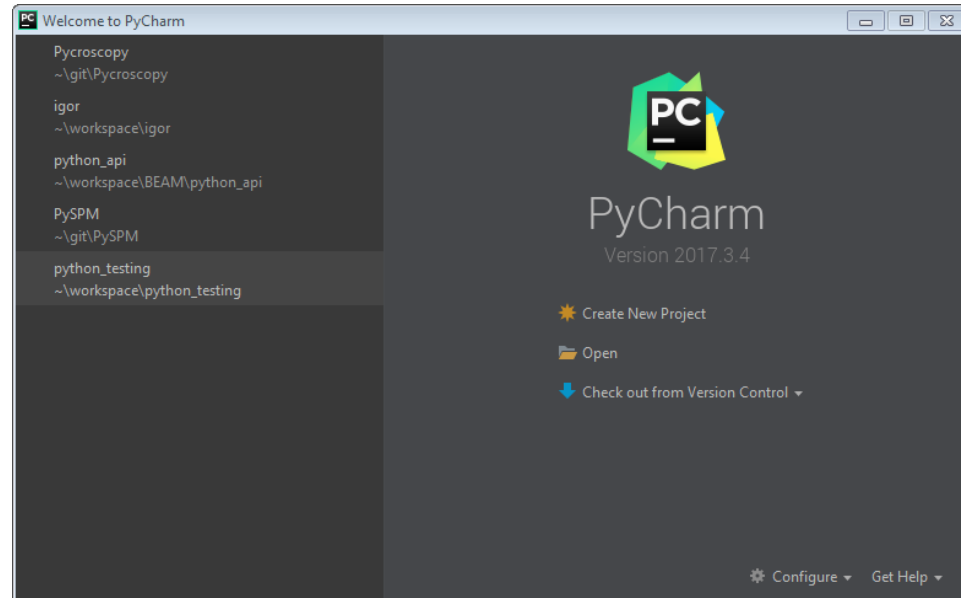
Using PyCharm to manage repository

Install PyCharm

- Download from <https://www.jetbrains.com/pycharm/download/>
- Be sure to get the Community Edition
- Run the installer once the download is finished

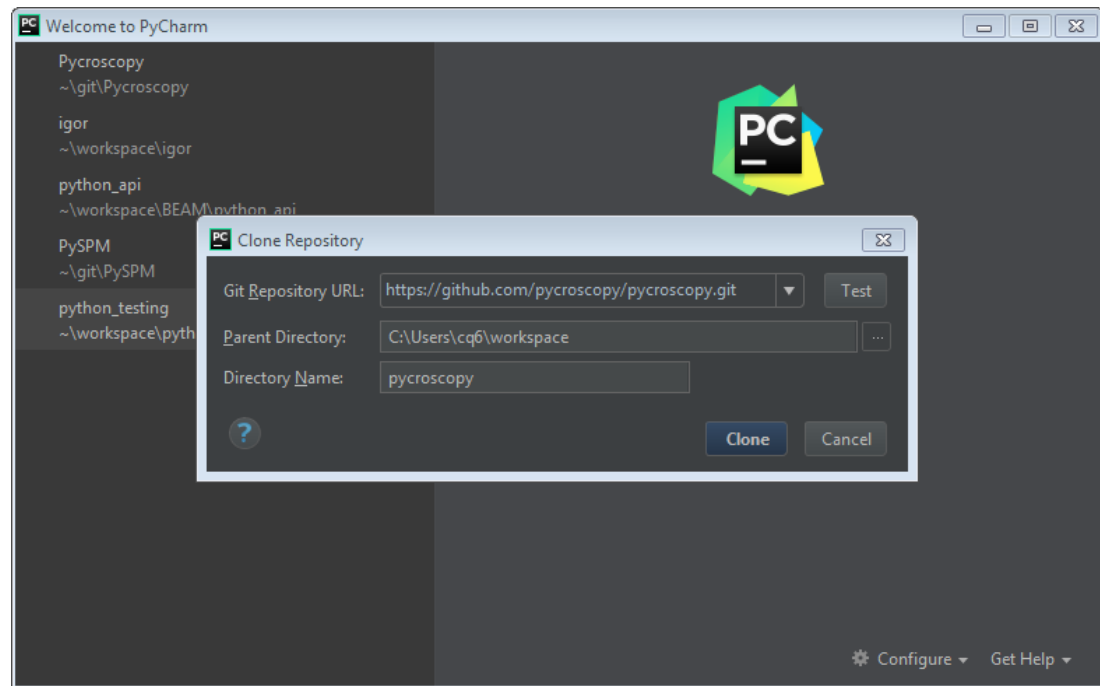
Set-Up PyCharm

- Click the Configure drop-down then choose settings
- In the settings menu, search for GitHub. Enter your GitHub login and password and click Ok
- Change other settings as needed. I recommend changing the Keymap to an editor you are already familiar with

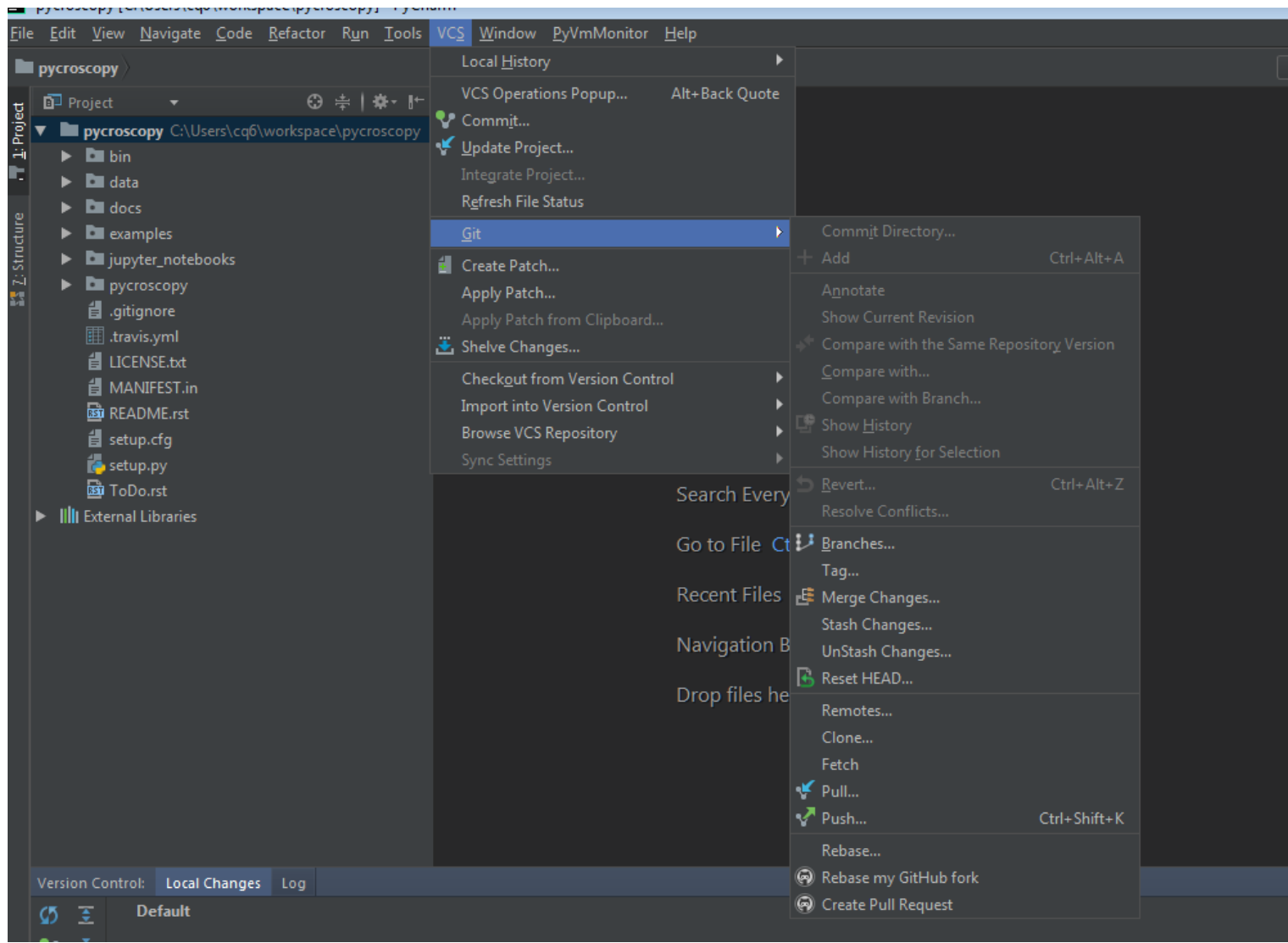


Clone the Repository

- Click check out from Version Control and choose GitHub
- Repository URL:
<https://github.com/pycroscopy/pycroscopy.git>
- Click Clone
- The repository will now be download into a new directory

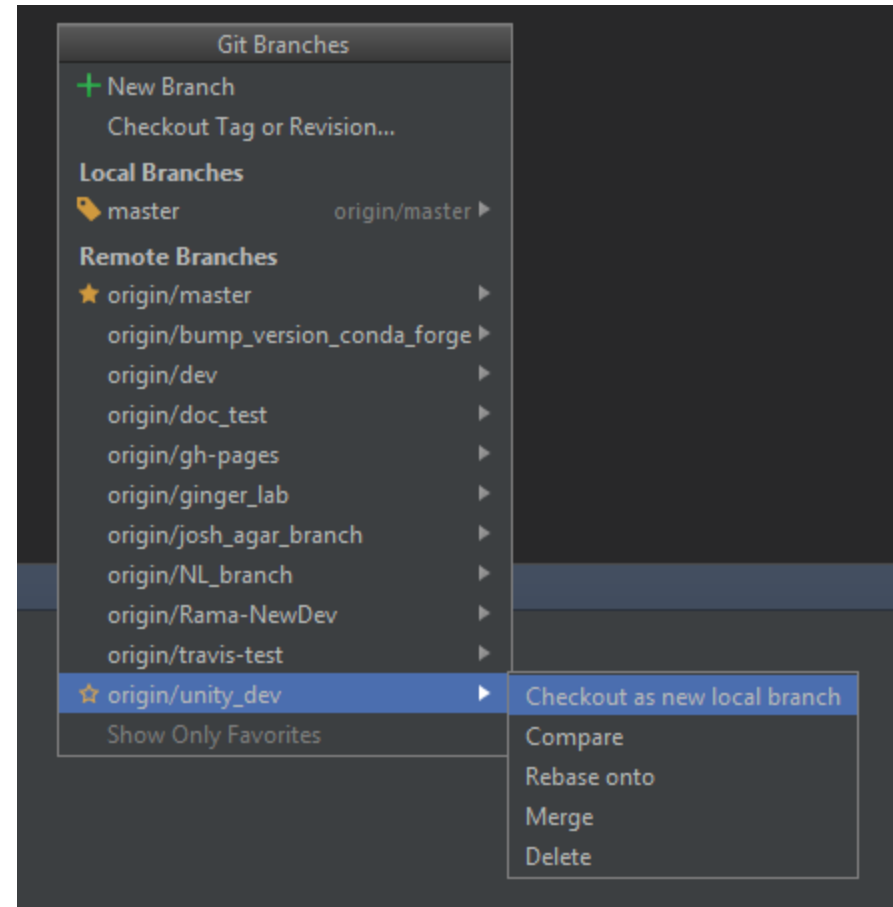


Git in PyCharm



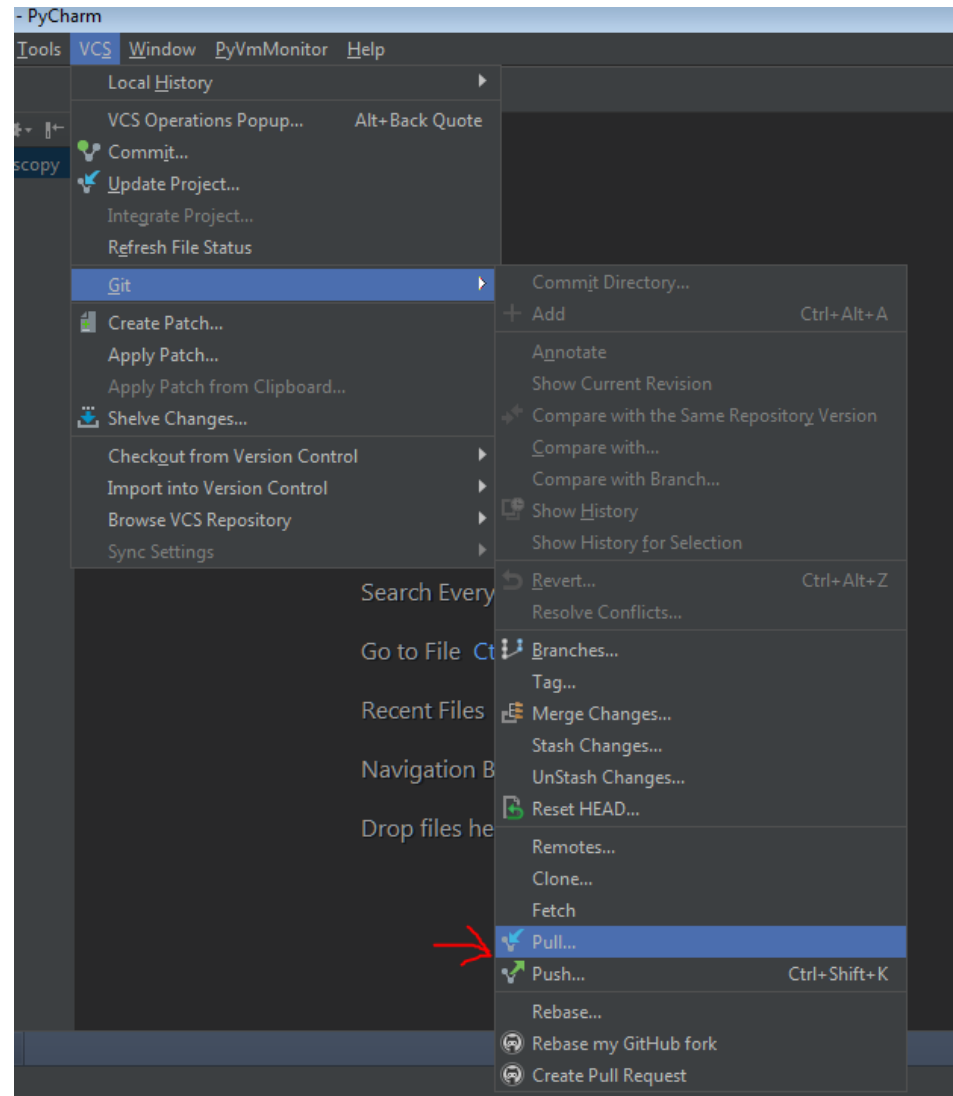
Change Branch

- Click branches
- Local branches are those that exist on your computer
- Remote branches are those on GitHub
- You can download a remote branch by clicking checkout
- You can switch between local branches by clicking the new one and selecting Checkout



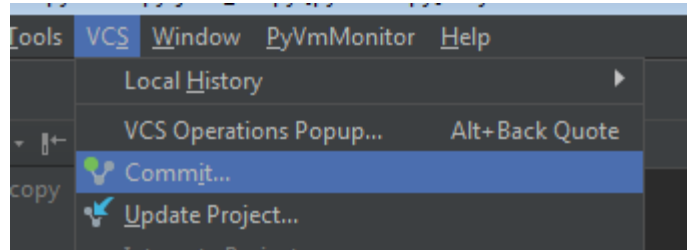
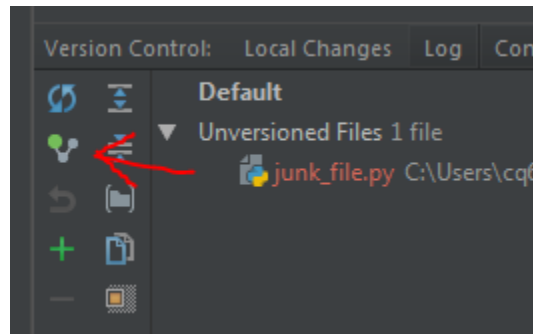
Updating the Current Branch

- Getting the latest changes is easy, just click Pull
- If you have local changes that you haven't committed yet, you should Stash Changes before Pulling
- After the Pull completes, you can UnStash



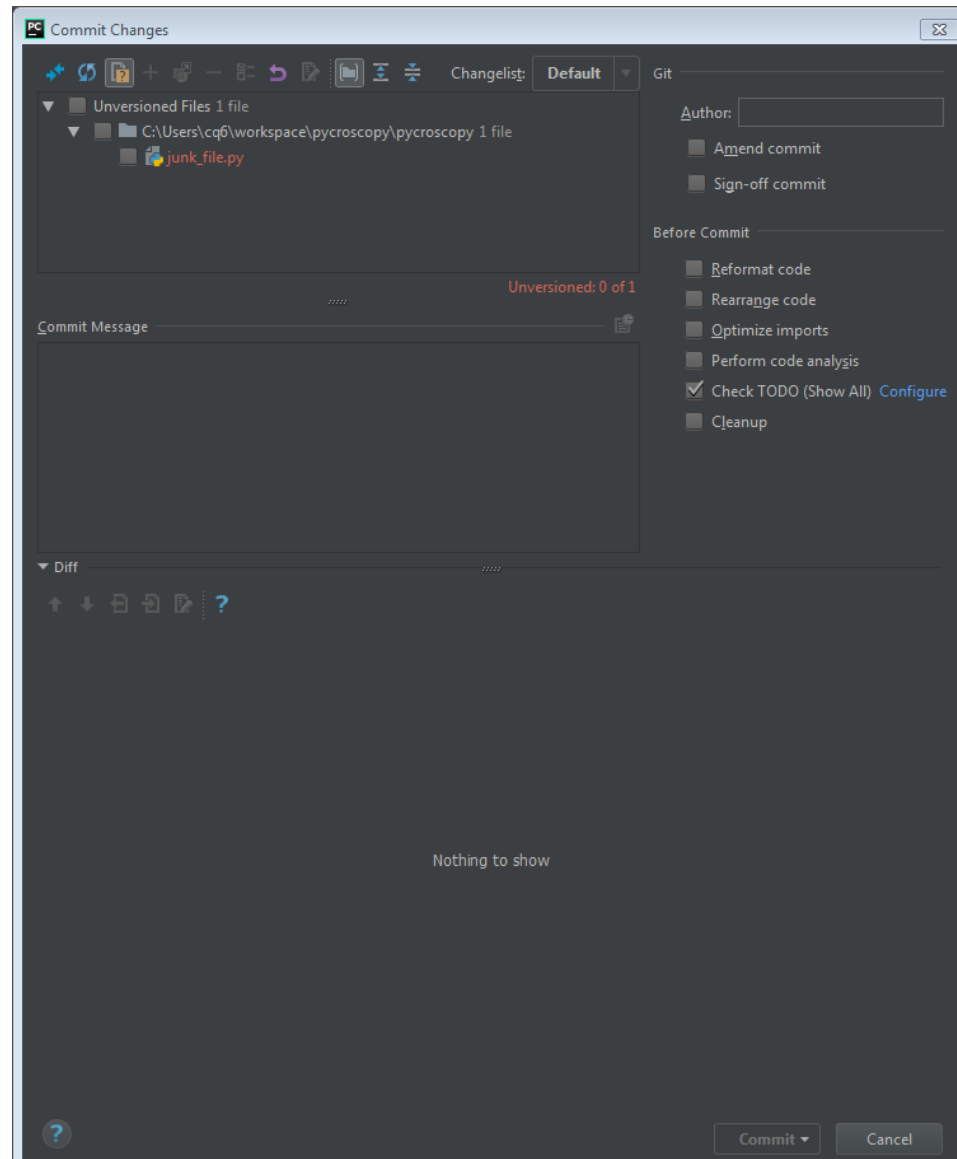
Commit Changes

- You can see all local changes in the version control tool window.
- To commit your changes click the Commit button in the Version Control window
- Or click Commit under the VCS menu



Commit 2

- In the Commit window, you will see the affected files
- You must choose which file(s) you want included in the Commit by clicking the checkbox(es)
- If you click a file, you can see the differences from the local version
- Type in a short message describing the changes you made then click Commit



Push Changes

- Before Pushing, Commit any changes you want to Push, then Pull the latest changes from the Repository.
- To Push, select VCS-Git-Push
- You will get a window showing all unPushed Commits
- Click Push and your commits will be applied to the current remote branch

