

# Tortoise Git



TortoiseGit provides overlay icons showing the file status, a powerful context menu for Git and much more! It is under active development and free of charge. Assuming you've downloaded the tortoise git client from [here: tortoisegit.org/download](https://tortoisegit.org/download): run the installer, spam the next button, all the default options are fine, get it installed.

## Installation



Download it from the official website [here: tortoisegit.org/download](https://tortoisegit.org/download) and for your correct architecture. Tortoise Git is one of the tools that still support x86-platform. If you are curious you can also find some older builds that will run under Windows XP - even not recommended.

Assure you also installed the git-tools and Tortoise Git can find `git.exe`. If all worked fine you can see the GIT-extension right in your explorer context-menu. The additional git-tools are free to download from [here](https://github.com/git-for-windows/git/releases). If you need 32bit git-tools then take them from <https://github.com/git-for-windows/git/releases>

**Sidenote** You don't need any SSH keys for github access

## Fork Batocera

I assume you've created a Github account - if not then don't hesitate and <https://github.com/signin>. If you have your own account it is time to Fork Batocera. Therefore visit the developers page <https://github.com/batocera-linux/batocera.linux/> and click on the fork icon. This will mirror the current batocera-repository into your github account. The reason is that you can't alter the code directly from the main-location, so you kindly ask for a change by a so called **Pull Request**.  The developers will check your code and merrily add it, if code quality is fine and the added software is dedicated for free usage (MINT or GNU licencse for example)

## Download Batocera

From the context-menu, click on a folder where you want to download the whole GIT-Repro, source adress is your github account. Usually it looks like <https://github.com/<username>/batocera.linux>. It will take a while do download the whole repro from there you have physical access all Batocera-files. It is time to start our first Pull Request

# The 1st Pull Request



You click on your file-repro in from context-menu you select: **Create new Branch** A windows will popup from where you enter the name of the branch (only a-z and score is allowed, no whitespace), hit **Okay**. A new windows will appear (that is the info the new branch is created) and hit **Close**.

Give the branch a usefull name, it is much more easier to understand from first view what your patch will do. As it's your first commit why not give it this name: `my-1st-commit`

So what you've done now is to tell your local git that you work on a new branch. That means all things you change will not affect the master/main code. This is super cool because you can always switch back to the original state. You will see that you are working in a new branch if you click on your git-directory so you maybe already mentioned: master changed to your-branch-name



From there you make your change. You can alter a file, add new images. Add new emulators and so on....

I've added a new file A `new file.txt` in this example. Just copied it from my windows explorer inside the code folder

1. Right click on your repo located in windows
2. Select **Commit to: my-1st-commit**
3. A new windows appears, showing you are indeed in the branch **my-1st-commit**, enter a usefull message. One line is needed at least ad will be the headline of the later followed PR, the other lines are here for a further description.
4. Check the file you want to upload, if it's a new added then you have to highlight the checkbox and then...
5. Hit **Commit**



1. Click Push
2. Click OK
3. Click Close



Now the changes are uploaded to your code space. Github will now automatically push it to Batocera. So go to <https://github.com/batocera-linux/batocera.linux/pulls> and you will see a

highlighted bar, telling you that there are changes made from your branch. Click **Compare & Pull Request** and from there you see exactly same text, you've entered into TortoiseGit in the Web Interface, too.

Read again, check your comments and your code base and then finally click **Create Pull Request** - you are now set

## Working in space

Before we start be sure that we always start the most updated Batocera version. Therefore go to your repro under <https://github.com/<username>/batocera.linux> and hit the Sync Fork icon. From there



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