# Installation instructions for ClearMap GUI version on Linux

Current as of 20230504

1. Install Miniconda
2. Open Linux terminal
3. Verify you have python 3.x (and not 2.x) by typing python --version. If you are not on python 3.x, do conda activate base, to activate an environment with a recent version of python and verify that it is python 3.x using the same command as above.
4. Go to the folder where you wish to install ClearMap
5. Get code from [github ClearMap2 page](https://github.com/ChristophKirst/ClearMap2) using the following command in terminal:

git clone <https://github.com/ChristophKirst/ClearMap2.git>

Note: link is available by clink on the green Code button in github

1. Go to the ClearMap2 folder wherever you installed ClearMap
2. Get developer version which includes the GUI (this will not be necessary when developer version becomes the master version) with the following command in the terminal:

git checkout dev

1. Use the ls command in the terminal to confirm you have the install\_gui.sh file
2. Authorize Linux to run the script (this may not be necessary if you have admin privileges:

chmod u+x install\_gui.sh

1. Run the installation script by running the command:

./install\_gui.sh ClearMapUi39.yml

1. Typically, answer yes to all installation questions and hit enter when it asks about the temp folder. Installation can take 30 minutes or more.
2. To start the software, you need to type two commands. The first activates the correct environment, the second starts the GUI version of ClearMap. Type:

conda activate ClearMapUi39

This should activate the proper environment. You should see Linux switch to that environment, which will appear in parentheses before the prompt. Once in that environment, type the second command to open the GUI:

clearmap-ui