Colaboratory lets us connect to a local runtime using Jupyter. This allows you to execute code on your local hardware and have access to your local file system.

Before attempting to connect to a local runtime, make sure you understand what code is being executed.

**STEP 1**

Install [**Jupyter**](http://jupyter.org/install) on your local machine.

**STEP 2**

The **jupyter\_http\_over\_ws** extension is authored by the Colaboratory team and available on [**GitHub**](https://github.com/googlecolab/jupyter_http_over_ws)**.**

**# SO DOWNLOAD THE GIT REPO AND RUN**

**pip install jupyter\_http\_over\_ws**

**jupyter serverextension enable --py jupyter\_http\_over\_ws**

[THESE ARE JUST EXTENSIONS JUST LIKE PLUGIN WE USE IN JENKINS… SO INSTALL BY RUNNING ABOVE COMMANDS]

**STEP 3**

New notebook servers are started normally, though we will need to set a flag to explicitly trust WebSocket connections from the goole Colaboratory frontend.

**jupyter notebook \**

**--NotebookApp.allow\_origin='https://colab.research.google.com' \**

**--port=8888 \**

**--NotebookApp.port\_retries=0**

Once the server has started, it will print a message with the initial backend URL used for authentication. Make a copy of this URL as you'll need to provide this in the next step.

**STEP 4**

In Colaboratory, click the "Connect" button and select "Connect to local runtime...". Enter the URL from the previous step in the dialog that appears and click the "Connect" button. After this, you should now be connected to your local runtime.

**STEP 5**

Just pls make sure that u run ur google colab in the google chrome….else if u run in other web browser then we have to fix the websocket in there for the same ….

For example in case of mozilla firefox…

you'll need to set the**network.websocket.allowInsecureFromHTTPS** preference within the [**Firefox config editor**](https://support.mozilla.org/en-US/kb/about-config-editor-firefox)… that is present in the advanced preferences in the in the firefox settings…and similarly for mac…

DONE WIITH THE SETTING OF THE LOCAL RUNTIME OF THE GOOGLE COLAB……

IF U WANT TO UNINSTALL AND NO MORE WANT TO USE THIS SERVICE…THEN

You can disable and remove the **jupyter\_http\_over\_ws** jupyter extension by running the following:

**jupyter serverextension disable --py jupyter**\_http\_over\_ws

pip uninstall jupyter\_http\_over\_ws