

Setting up “Xcos-on-cloud” on local system is divided in two parts, which are as follows:

Part 1 : Steps to build Scilab- 5.5.2 on Ubuntu 16.04:

- Make sure before proceeding with build process “Source code” under Ubuntu Software, inside Software & Updates utility of Ubuntu system is checked. This will reload and update software of your system.
- Download Scilab source folder (visit https://github.com/FOSSEE/scilab_for_xcos_on_cloud for the same) and extract it.
- If permission issue occurs, use chmod to grant permission. For Eg. if name of extracted folder is scilab_for_xcos_on_cloud-master, use :
`$ chmod ugo+wx scilab_for_xcos_on_cloud-master/ -R`
- Go to the scilab folder through terminal and update using :
`$ sudo apt-get update`
- Build using : `sudo apt-get build-dep scilab`
- Configure using : `$./configure --disable-static-system-lib`
- Make using : `$ make -j4`
- Now run scilab using : `$./bin/scilab`

Note :

If at any step, “*access denied*” or some other related error occurs, again grant permission to the scilab folder as before and then redo the step.

Part 2 : Installing Other Requirements and Running Xcos_on_cloud :

- First install python and other necessary software
- Open terminal and type : `$ apt-get install libevent-dev python-dev python-setuptools`
- Then type : `$ pip install gevent flask`
- Then type : `$ pip install subprocess32`
- Then type : `$ pip install beautifulsoup4`
- Once installation is completed, download xcos_on_cloud project from github : https://github.com/FOSSEE/xcos_on_cloud
- Extract xcos_on_cloud, navigate through terminal inside that folder
- And type command : `$ python SendLog.py`
- Then open browser and type : `127.0.0.1:8001`
- This will open xcos on browser.

Note: Make sure you change the path of scilab call ie. SCI variable in SendLog.py to your build scilab path before running any simulation. (The directories scilab and xcos-on-web must be within the same folder)