

Setting up “Xcos-on-cloud” on Ubuntu 18.04 / Ubuntu 16.04:

Part 1 : Build Scilab 5.5.2 :

- Open the “Software & Updates” utility of Ubuntu system. Under “Ubuntu Software”, check (enable) the “Source code” option. Close to save the settings.
- Update the system and install the dependencies using :

```
$ sudo apt update  
$ sudo apt upgrade  
$ sudo apt build-dep scilab  
$ sudo apt install libgfortran3
```
- If you have Java 11, install Java 8 and set JAVA_HOME to Java 8 :

```
$ sudo apt install openjdk-8-jdk  
$ export JAVA_HOME='/usr/lib/jvm/java-8-openjdk-amd64'
```
- Download Scilab source folder from github :
https://github.com/FOSSEE/scilab_for_xcos_on_cloud
- Extract scilab_for_xcos_on_cloud, navigate through terminal inside that folder
- Configure using :

```
$ ./configure --disable-static-system-lib
```
- Make using :

```
$ make -j4
```
- Now run scilab using :

```
$ ./bin/scilab
```

Part 2 : Configure and build Xcos-on-cloud :

- Open terminal and type this command :

```
$ sudo apt install python3-mysqldb python3-pip
```
- Download xcos_on_cloud project from github :
https://github.com/FOSSEE/xcos_on_cloud
- Extract xcos_on_cloud, navigate through terminal inside that folder
- Edit config.py and update the value of the SCILAB_DIR variable to the path of the extracted scilab_for_xcos_on_cloud.
- Type these commands :

```
$ pip3 install -r requirements.txt  
$ make
```

Part 3: Run Xcos-on-cloud :

- If you have set JAVA_HOME in **Part 1**, set it again.

```
$ export JAVA_HOME='/usr/lib/jvm/java-8-openjdk-amd64'
```
- Type command :

```
$ python3 SendLog.py
```
- Then open browser and type : <http://127.0.0.1:8001/>
- This will open Xcos-on-cloud in browser.