## 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 i4
- 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 : <a href="http://127.0.0.1:8001/">http://127.0.0.1:8001/</a>
- This will open Xcos-on-cloud in browser.