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.
- 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. e.g. if name of extracted folder is scilab_for_xcos_on_cloud-master, use :
  $ chmod ugo+wrx scilab_for_xcos_on_cloud-master/ -R
- Install dependencies using : $ sudo apt-get build-dep scilab
- Configure using : $ ./configure --disable-static-system-lib --without-modelica
- 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 :

- Open terminal and type these commands:
  $ sudo apt-get install python3-bs4 python3-flask python3-gevent python3-pip
  $ pip3 install Flask-Session
- 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
- Type command : $ make
- And type command [1]: $ python3 SendLog.py
- Then open browser and type : http://127.0.0.1:8001/
- This will open xcos on cloud in 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_for_xcos_on_cloud and xcos_on_cloud must be within the same folder)

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[1] After running the command, if you see this error:
    ImportError: cannot import name 'want_bytes'
Run this command from terminal and try again:
    $ **pip3 uninstall itsdangerous**