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.