

Setup instructions for PyCOMPSs tutorial

For a more efficient procedure during the tutorial, we recommend to perform the following setup actions before the tutorial

Alternative 1: Use of docker container (recommended for Linux and Mac-os):

- 1) Install docker:
 - Go to <https://docs.docker.com/engine/install/> and follow the instructions for your platform
 - *Linux*: If your linux distribution is old, the docker version in the system package will be old and has several bugs. Please upgrade it following the instructions in the web.
- 2) Get COMPSs docker image:
 - **docker pull compss/compss-tutorial:3.1**
- 3) Install pycompss-cli:
 - *Linux*: **sudo python3 -m pip install pycompss-cli**
 - *Mac-os*: **pip install pycompss-cli**

For Java Hands-on

- 4) Install maven
 - <https://maven.apache.org/install.html>
- 5) A Java IDE is recommended for editing Java code (such as Eclipse)
 - <https://www.eclipse.org/downloads/>

Alternative 2: Using Virtual Appliance (recommended for windows):

- 1) Install VirtualBox
 - Download from <https://www.virtualbox.org>
- 2) Download the tutorial VM.
 - <https://compss.bsc.es/releases/vms/Tutorial-base.ova>
- 3) Start the VM image
 - Start VirtualBox
 - Import the COMPSs VM image
 - Start COMPSs VM image
 - user: **compss**
 - password: **compss2021**
- 4) Install tutorial data:
 - `./install_tutorial.sh 3.1`

Note: If the docker pull command fails be sure you have internet connection, the Docker service is running (sudo service docker start) and your user is in the docker group (sudo usermod -aG docker \$USER)