

Setup instructions for COMPSs 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:
 - *Linux*: "apt-get install docker" (depends on your distribution)
 - *Mac-os*: direct download from docker.com. You can find instructions here: <https://docs.docker.com/docker-for-mac/install/>
- 2) Get COMPSs docker image:
 - `docker pull compss/compss-tutorial:2.8`
- 3) Install pycompss-player:
 - *Linux*: `sudo python3 -m pip install pycompss-player`
 - *Mac-os*: `pip install pycompss-player`

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.
 - <http://compss.bsc.es/releases/vms/COMPSs-2.8.ova>
- 3) Start the VM image
 - Start VirtualBox
 - Import the COMPSs VM image
 - Start COMPSs VM image
 - user: **compss**
 - password: **compss2021**
- 4) Get COMPSs docker image:
 - `docker pull compss/compss-tutorial:2.8`
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)