

# Clustersim virtual machine commands

## Enter to working directory

1. Open a terminal
2. Type:  
`cd Desktop/clustersim`

## Receive the last updates from repository

`git pull`

## Compile

With debug symbols	Without debug symbols
<code>./build-debug.sh</code>	<code>./build-release.sh</code>

## Execute the simulation

1. Modify an existing configuration in `config` directory (remember to update also the property `basename`, so the output file will have a different name)
2. Execute the simulation with:

`./clusterim <my-config-file.cfg>`

where `<my-config-file.cfg>` is the name of the file we just created.

3. The result of the simulation will be in the directory `output`.
4. These options can be added on the previous command to allow some extra functionalities:

<code>-j &lt;n&gt;</code>	<code>--threads &lt;n&gt;</code>	To use <code>&lt;n&gt;</code> processors cores at the same time
<code>-o &lt;dir&gt;</code>	<code>--output &lt;dir&gt;</code>	To use a different output directory
<code>-r &lt;n&gt;</code>	<code>--repeat &lt;n&gt;</code>	Repeat the simulation <code>&lt;n&gt;</code> times

## To collect the data of all the simulation we did

1. Execute this command:  
`./collect_stats.sh output/`