How to Install CyNEST

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In order to correctly install CyNEST (and configure the cmpneuron tool), you must achieve the following operations :

- Place your terminal in the *nest-cynest* folder (where the NEST code is situated).

- Execute **./bootstrap.sh**.
  This will run the automake, autoconf and libtoolize tools, as well as compiling the *cmpneuron.cpp* file contained in the *cmpneuron* folder.

- Leave the current directory and create another one (the name is ininfluent), then enter this new folder.

- You have to call the *configure* file in the *nest-cynest* folder.
  Hence type
  ../nest-cynest/configure –prefix="install-dir" –enable-cynest
  in your terminal, where *install-dir* is the directory where you want to install CyNEST.

- Type **make -j4** and then **make install** in the terminal. This will compile and install CyNEST on the computer. After the installation is completed, it is possible to load python and then type **import cynest** in the python terminal. Then cynest can be used.

- In order to make cmpneuron callable from terminal, go into the *nest-cynest/cmpneuron* folder and copy the following files (*cmpneuron*, *cython_neuron.pyx* and *setup.py*) in the bin folder where CyNEST has been installed (*"NEST_Dir"/bin*). For more information about the cmpneuron tool, type **cmpneuron –doc** in the terminal.