

Advanced usage

You can naturally compile you own software products and libraries, in :

- the common space (/shared): On the shared directory, you need to belong to the **install_team** UNIX group. If not, you can ask to your PI to install it by him since he is part of.
- your working directory (/workdir): Since the workdir is a permanent file system, you can create what you want where you want in.

Example: you need to install openmpi-1.6.5, with GNU compilers, on /shared:

```
$ mkdir -p /shared/compilers/openmpi/1.6.5/gnu
$ ./configure --prefix=/shared/compilers/openmpi/1.6.5/gnu <all needed
options>
$ make && make install
```



If you need/wish to install it into /wordir, you just need to replace the above directory with the one you want. In this specific case, we may need to create your [own modules](#)

To do so, since the hardware, OS and installs are very different between master nodes and computing nodes, to compile your stuffs (software products, libraries, etc.), you just have to open an [interactive session](#) and use compilers and libraries of your choice (Intel compilers from [Modules](#), GNU pre-installed compilers, etc.).

From:

<http://www-lbt.ibpc.fr, baal.lbt.ibpc.fr/wiki/> - **LBT's Computation Resources wiki**

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