

Building NetCDF with intel's openMPI

To build netCDF with openMPI based on intel compiler, first you have to follow this [steps](#), then:

```
export CC=mpicc
export F77=mpif77
export F90=mpif90
export FC=mpif90
#export LIBS="-lirc"
export CFLAGS="-fPIC -DgFortran"
export CXXFLAGS="-fPIC -fno-second-underscore -DgFortran"
export FFLAGS="-fPIC -fno-second-underscore -DgFortran"
export F90FLAGS="-fPIC -fno-second-underscore -DgFortran"
export LDFLAGS="-fPIC"
./configure --prefix=/opt/netcdf --disable-shared --disable-dap --enable-f90
make -j 64 # or the number of cores you have
```

Then to install it, you must do it as super user:

```
sudo make install
```

Once installed you need to tell the linker the library path, to do so:

```
su root #sudo -s on ubuntu
echo "/opt/netcdf/lib" > /etc/ld.so.conf.d/impinetcdf.conf
ldconfig #Tell the linker to update cache
exit #leave root session
```