

## Open MPI 2.1.3 (gcc, intel)

### ウェブページ

<https://www.open-mpi.org/>

### バージョン

2.1.3

### ビルド環境

gcc 4.8.5

Intel Compiler 18.0.2

PBS Pro 14.1.0

libpsm2 10.3.3

libpsm2-devel 10.3.3

### 必要なファイル

openmpi-2.1.3.tar.bz2

### ビルド手順

```
#!/bin/sh

VERSION=2.1.3
WORKDIR=/work/users/${USER}
TARBALL=/home/users/${USER}/openmpi-$VERSION.tar.bz2
PBSROOT=/local/apl/lx/pbs14

PARALLEL=12

#-----
umask 0022

cd ${WORKDIR}
if [ -d openmpi-$VERSION ]; then
    mv openmpi-$VERSION openmpi_erase
    rm -rf openmpi-$VERSION &
fi

tar jxf ${TARBALL}
cd openmpi-$VERSION

# GCC
INSTALLDIR=/local/apl/lx/openmpi213
mkdir rccs-gcc && cd rccs-gcc
./configure --prefix=${INSTALLDIR} \
    --with-tm=${PBSROOT} \
    --with-psm2
make -j ${PARALLEL} && make install && make check
cd ..

# INTEL
INSTALLDIR=/local/apl/lx/openmpi213-intel
mkdir rccs-intel && cd rccs-intel
CC=icc CXX=icpc FC=ifort \
./configure --prefix=${INSTALLDIR} \
    --with-tm=${PBSROOT} \
    --with-psm2
make -j ${PARALLEL} && make install && make check
cd ..
```

### Changelog

- (2018/7/10)pbsのライブラリが実行時にも必要だったため、修正