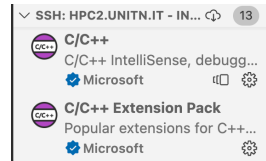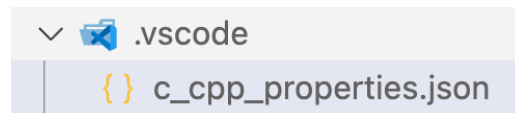# Compiler for MPI library (only with VSCode)

1. Make sure you have installed C/C++ extensions on your SSH machine

2. Make sure you have this folder on your home directory

3. Modify your *c_cpp_properties.json* file in this way

```
{
    "configurations": [
        {
            "name": "Linux",
            "includePath": [
                "${workspaceFolder}/**",
                "/apps/openmpi-4.0.4/include"
            ],
            "defines": [],
            "compilerPath": "/apps/mpich-3.2/bin/mpicc",
            "cStandard": "c11",
            "cppStandard": "gnu++14",
            "intelliSenseMode": "clang-x64"
        }
    ],
    "version": 4
}
```

4. Logout from your machine and then login again (note that it can take some time at the beginning)
5. You should now see the syntax of MPI library functions

```
int MPI_Comm_size(MPI_Comm comm, int *size)

MPI_Comm_size(MPI_COMM_WORLD, &world_size);
```