



# OpenAirInterface

[OpenAirInterface](#) For our testing we used the 2.1 release of the project.

## How to Build

- [UHD - Build Instructions](#)
- [OAI - Build Instructions\(No E2Agent\)](#)
- [OAI - Build Instructions\(Flexric\)](#)

### Build with Flexric

In this setup we have used **OpenAirInterface** built with the `--build-e2` flag.

## 0. Required dependencies

### 0.1 Building Swig

```
$ git clone https://github.com/swig/swig.git && cd swig
$ git checkout release-4.2
$ ./autogen.sh
$ ./configure --prefix=/usr/
$ make -j$(nproc)
$ sudo make install
```

### 0.2 Installing other dependencies

```
$ sudo apt install libsctp-dev python3 cmake-curses-gui libpcrc2-dev
```

## 1. Building OpenAirInterface

```
$ git clone https://gitlab.eurecom.fr/oai/openairinterface5g oai
$ cd oai
$ git checkout v2.1.0
$ ./build_oai -w USRP --gNB --nrUE --build-e2
```

## 2. Building Flexric