

Libfranka Installation Guide



Official documentation can be found here: https://frankaemika.github.io/docs/installation_linux.html

Prerequisites

1. A working Ubuntu Linux environment
2. Have *git* configured on Ubuntu

1. Install Libfranka

1. Update your apt repository caches after setting up the repositories. It is also recommended that you ensure your system is up to date before installing new packages.

```
sudo apt update
sudo apt upgrade
```

2. Install two packages: *libpoco-dev*, *libeigen3-dev*.

```
sudo apt install -y libpoco-dev libeigen3-dev
```

3. Clone Libfranka repository from GitHub.



Note: the following version "0.10.0" is required to be able to successfully connect to the "Franka Research 3 arm" (different to the older "Panda" arm)

```
mkdir project && cd project
git clone --recursive https://github.com/frankaemika/libfranka --branch 0.10.0
```

4. Build Libfranka from the source code just pulled.

```
cd libfranka
mkdir build
cd build
cmake -DCMAKE_BUILD_TYPE=Release -DBUILD_TESTS=OFF ..
cmake --build . -j$(nproc)
cpack -G DEB
```

5. Install the .deb package which just built.

```
sudo dpkg -i libfranka-*.deb
```