

# Qt UI 发布移植

Document Number: D-0001

Document Type: Dev

Document Author: Yunze

Last Updated: 2022/08/13

Version	Date	Author	Description of Changes
0.2	2022/08/13	Yuzne	Update deprecated doc
0.1	2021/11/09	Yuzne	Initial Documents

## 软件发布

---

### Auto Deploy

```
sy-3-new/dev_utils/0711deploy.sh
```

Pay attention to modify `QMAKE_PATH` , `QML_PATH` in script.

### QtCreator编译

Build a release version.

## QT项目发布环境搭建

---

### Qt依赖

官网Download或copy Qt环境

```
libxcb-xinerama0 无法运行QtCreator, apt安装
```

```
sudo apt install -y libxcb-xinerama0
```

```
g++ , make , cmake 使Qt编译可用
```

### 发布过程依赖

## 打包工具

linuxdeployqt patchelf appimagetool(additional option)

### patchelf

sudo apt install patchelf

### linuxdeployqt

build it from source code(use tag `continuous` ).

modify main.cpp `host too new ,return 1` , remove it.

### appimagetool(addtional option)

Download from github release page.

sudo cp devutils/resource/appimagetool-x8664.AppImage /usr/local/bin/appimagetool

sudo chmod a+x /usr/local/bin/appimagetool

## Deprecated

---

### 移植后解决声音问题

```
zkys_treat/dev_utils/pre_launch.sh
```

发布后运行一次,替换gstreamer,以解决声音问题

解决：未安装patchelf工具，安装后未出现。

### 编译拼音输入法插件

QtInputMethod\_GooglePinyin

打包时将生成的dict放到可执行文件同级目录,platforminputcontexts放入usr/lib中.

解决：在main.cpp main函数中设置环境变量。

```
qputenv("QT_IM_MODULE", QByteArray("qtvirtualkeyboard")); // QT 虚拟键盘组件
qputenv("QT_IM_MODULE", QByteArray("tgtssl")); // 自己编译的输入法插件
qputenv("QT_IM_MODULE", QByteArray("fcitx")); // 系统的fcitx输入法框架
```

### 开机启动

terminal设置gnome-session-properties

add

name: App

Command: /home/deploy/Documents/appdir/SY-3-v-care-1.0.0.AppImage

## 打包过程依赖

仅Ubuntu18

sudo apt install libodbc; sudo apt install libpq5;

## 项目依赖

(QtQuick依赖)

`sudo apt install mesa-common-dev` (opengl环境,此包在ubuntu20上不同,为libgl-dev) (可能导致卡登录界面,重启解决)

修复找不到 -IGL

sudo ln -s /usr/lib/x86\_64-linux-gnu/libGL.so.1 libGL.so

sudo apt install libzmq3-dev

## linuxdeployqt发布整理

TODO: add 输入法插件编译过程

echo "Categories=Development;" >> /home/deploy/Documents/build-qtDemo-DesktopQt5152GCC64bit-Debug/default.desktop