# 86 获取主机信息

## 86.1 创建项目

通过QtCreator，在C:\Users\Minwei\Projects\Qt路径下，创建名为HostInfo的控制台（Console）项目，并在项目文件中添加第2行：

```
QT -= gui
QT += network

CONFIG += c++11 console
CONFIG -= app_bundle

# The following define makes your compiler emit warnings if you use
# any Qt feature that has been marked deprecated (the exact warnings
# depend on your compiler). Please consult the documentation of the
# deprecated API in order to know how to port your code away from it.
DEFINES += QT_DEPRECATED_WARNINGS

# You can also make your code fail to compile if it uses deprecated APIs.
# In order to do so, uncomment the following line.
# You can also select to disable deprecated APIs only up to a certain version of Qt.
#DEFINES += QT_DISABLE_DEPRECATED_BEFORE=0x060000    # disables all the APIs deprecated before Qt 6.0.0

SOURCES += \
        main.cpp

# Default rules for deployment.
qnx: target.path = /tmp/$${TARGET}/bin
else: unix:!android: target.path = /opt/$${TARGET}/bin
!isEmpty(target.path): INSTALLS += target
```

## 86.2 实现功能

C:\Users\Minwei\Projects\Qt\HostInfo\main.cpp：

```
#include <iostream>
using namespace std;

#include <QCoreApplication>
#include <QHostInfo>
#include <QMetaEnum>

int main(int argc, char *argv[])
{
    QCoreApplication a(argc, argv);

    QString hostName = QHostInfo::localHostName();
    cout << hostName.toStdString() << endl;

    for (QHostAddress address : QHostInfo::fromName(hostName).addresses())
```

```
        cout << QMetaEnum::fromType<
            QAbstractSocket::NetworkLayerProtocol>().valueToKey(
            address.protocol()) << ", " <<
            address.toString().toStdString() << endl;

    return a.exec();
}
```

## 86.3 测试验证

运行效果如图所示：