



ID	...	Creation date	June 26, 2009
Platform	S60 3rd Edition, FP1, FP2 S60 5th Edition	Tested on devices	Nokia 5800 XpressMusic, Nokia 6720 classic
Category	Qt for Symbian	Subcategory	

Keywords (APIs, classes, methods, functions): XQSysInfo::mcc(), XQSysInfo::mnc()

Overview

This code snippets shows how to get MCC and MNC from device in Qt. Basically IMSI is 15 digits long number. The first 3 digits of IMSI are the MCC, and is followed by the MNC, either 2 digits (European standard) or 3 digits (North American standard). So retriving MCC and MNC from IMSI is not always safe, thus implemented this method to get MCC MNC from CTelephony::GetCurrentNetworkInfo() API of symbian.

This snippet requires ReadDeviceData capabilities. Self-signing is not possible because a Developer certificate is needed.

Prerequisite

- Install Qt for S60:[Installing Qt on S60](#)
- Download [ExtXQSysInfo.zip](#).
- Extracting [ExtXQSysInfo.zip](#) and place all the file in your project directory.
- Edit your .pro file as mentioned below.

Note: These files are extended from source file of XQSysInfo API. More clearly , i have just edited some file of XQSysInfo API to get MCC and MNC. XQSysInfo::mcc() return MCC and XQSysInfo::mnc() return MNC.

Headers required

```
#include <XQSysInfo>
```

.pro file

All source files are automatically added to .pro file by carbide, so need to add the libraries and capability only.

Get_MCC_MNC_in_Qt_for_Symbian

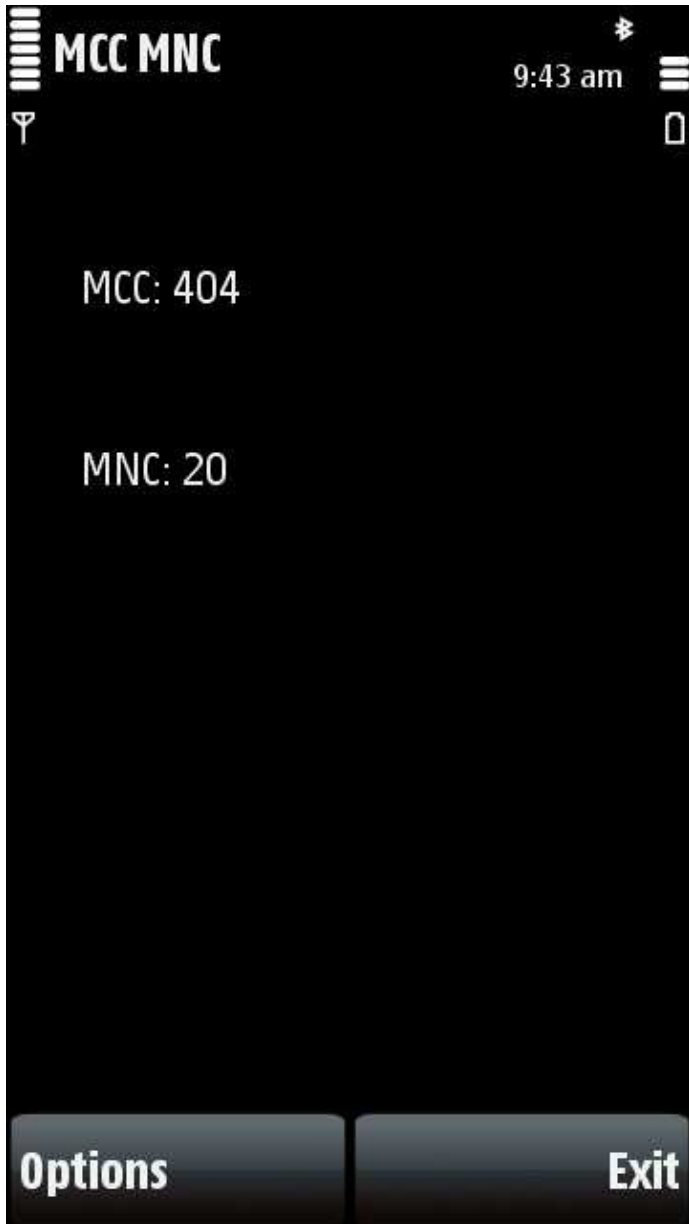
```
symbian:LIBS += -letel3rdparty \  
    -lsysutil \  
    -lefsrv \  
    -lfeatdiscovery  
  
symbian:TARGET.CAPABILITY = ReadDeviceData
```

Source

```
XQSysInfo *sysInfo = new XQSysInfo(this);  
/* show MCC on label */  
ui.label->setText("MCC: " + sysInfo->mcc());  
/* show MNC on label */  
ui.label_2->setText("MNC: " + sysInfo->mnc());
```

Postconditions

The code snippet is expected to show MCC MNC on screen as shown below.



Download Code Example

- The [Code Example](#) will show MCC and MNC on screen and is tested on Nokia 5800 XpressMusic.