

Get_Network_Name_using_CTelephony

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Platform	S60 3rd Edition	Tested on devices	E61i
Category	Symbian C++	Subcategory	

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Reviewer Approved



Overview

CTelephonyReader implementation illustrates how to get Network Name in S60 3rd Edition Device with CTelephony API.

The implementation is pretty simple, and when using this one only thing to do in calling class is to implement the callback interface and then to construct an instance of the CTelephonyReader.

Note: this code will most likely not work in the emulator, thus you should only use it in real devices.

Headers Required

```
#include <Etel3rdParty.h>
```

Library Needed

```
LIBRARY etel3rdparty.lib
```

Capability Required

```
Capability ReadDeviceData
```

TelephonyReader.h

```
#ifndef __TELEPHONYREADER_h__  
#define __TELEPHONYREADER_h__  
  
#include <Etel3rdParty.h>
```

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```
class MTelephonyObserver
{
public:
virtual void GetCurrentNetworkName(const TDesC& aNetworkName) = 0;

};

class CTelephonyReader : public CActive
{
public:
static CTelephonyReader* NewL(MTelephonyObserver* aObserver);
static CTelephonyReader* NewLC(MTelephonyObserver* aObserver);
void ConstructL(void);
~CTelephonyReader() {}
protected:
void DoCancel();
void RunL();

private:
CTelephonyReader(MTelephonyObserver* aObserver);

private:
MTelephonyObserver ; iObserver
CTelephony ; iTelephony
CTelephonyNetworkNameV1 ; iNetworkNameV1
CTelephonyNetworkNameV1Pckg iNetworkNameV1Pckg;
};

#endif //__TELEPHONYREADER_h__
```

TelephonyReader.cpp

```
#include "TelephonyReader.h"

CTelephonyReader* CTelephonyReader::NewL(MTelephonyObserver* aObserver)
{
CTelephonyReader* self = NewLC(aObserver);
CleanupStack::Pop(self);
return self;
}

CTelephonyReader* CTelephonyReader::NewLC(MTelephonyObserver* aObserver)
{
CTelephonyReader* self = new (ELeave) CTelephonyReader(aObserver);
CleanupStack::PushL(self);
self->ConstructL();
return self;
}

CTelephonyReader::CTelephonyReader(MTelephonyObserver* aObserver)
:CActive(0), iObserver(aObserver), iNetworkNameV1Pckg(iNetworkNameV1)
{
}

CTelephonyReader::~~CTelephonyReader()
{
()Cancel
delete iTelephony;
}
```

TelephonyReader.h

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```
}  
  
void CTelephonyReader::ConstructL(void)  
{  
    CActiveScheduler::Add(this);  
  
    iTelephony = CTelephony::NewL();  
  
    iTelephony->GetNetworkName(iStatus, iNetworkNameV1Pckg);  
  
    SetActive  
  
}  
  
void CTelephonyReader::DoCancel()  
{  
    iTelephony->Cancel(CTelephony::EGetCurrentNetworkNameCancel);  
}  
  
void CTelephonyReader::RunL()  
{  
    if(iStatus == KErrNone)  
    {  
        iTelephony->GetNetworkName(iNetworkNameV1.iNetworkName);  
    }  
}
```

Example Code

- [Example code](#)

Related Link

- [Get MCC MNC using CTelephony](#)
- [Get Operator Name using CTelephony](#)
- [Get Manufacturer, Model number and IMEI number of device using CTelephony](#)
- [Get IMSI using CTelephony](#)