

CS0000835

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S60 3rd Edition, FP1

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????????????????ECom??

- ??????

MMP????UID2(0x10009D8D)???0x10009D8D???ECom???UID3(0xE01F5465)?ECom
 DLL?UID???UID????????????????????????????certification_path????????????UID????????????

???DLL?UID?????rss????????????????ECom????????????UID????????????ECom.ROM.Z.dat and
 Ecom.idx????:\Symbian\9.1\S60_3rd_MR\Epoc32\winscw\c\private\10009D8F\????????????????????

ECom????????ECom
 component/DLL?????(TARGETTYPE)??PLUGIN????EComExample.rsc????????WINSCW????\Epoc32\release\w

- MMP??

```
TARGET      EComExample.dll
TARGETTYPE  PLUGIN

...

UID 0x10009D8D 0xE01F5465

...

SOURCE      Proxy.cpp
SOURCE      CMyHelloEcom.cpp // Your ECom impl

...

// Import base class header and inline file
USERINCLUDE  ..\interface
SYSTEMINCLUDE \epoc32\include
SYSTEMINCLUDE \epoc32\include\ecom

// ECom resource name must be identical to ECom component/DLL name.
START RESOURCE E01F5465.rss
TARGET EComExample.rsc
TARGETPATH \resource\plugins
END
```

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???????ECom??

```
// Include base class header
#include <CHelloEcomIF.h>

class CMyHelloEcom : public CHelloEcomIF
{
public:
    static CMyHelloEcom* NewL();
    virtual ~CImplementationClassOne();

    // Implementation of CHelloEcomIF
    void SayHello(TDes& aString);

private:
    CMyHelloEcom();
    void ConstructL();
};

private:
    HBufC* iDescriptor;
```

- ???

?????????????????SayHello(TDes& aString)

```
#include "CMyHelloEcom.h"

CMyHelloEcom* CMyHelloEcom::NewL()
{
    CMyHelloEcom* self=new(ELeave) CMyHelloEcom();
    CleanupStack::PushL(self);
    self->ConstructL();
    CleanupStack::Pop();
    return self;
}

CMyHelloEcom::~CMyHelloEcom()
{
    delete iDescriptor;
}

CMyHelloEcom::CMyHelloEcom()
{
}

void CMyHelloEcom::ConstructL()
{
}

// Implementation of CHelloEcomIF
void CMyHelloEcom::SayHello(TDes& aString)
{
    aString.Copy(*iDescriptor);
}
```

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ECom: ª ¥á £ç á@ ª

?????????DLL?????????IMPLEMENTATION_INFO?????????ECom?????

IMPLEMENTATION_INFO::implementation_uid?????????????????

```
#include "RegistryInfo.rh"

RESOURCE REGISTRY_INFO theInfo
{
    // UID for the DLL
    dll_uid = 0xE01F5465;
    // Declare an array of interface info
    interfaces =
    {
        INTERFACE_INFO
        {
            // UID of the interface that is implemented
            interface_uid = 0xE0009DC1;
            implementations =
            {
                // Info for implementation of CHelloEcomIF
                IMPLEMENTATION_INFO
                {
                    implementation_uid = 0xE0009DC7;
                    version_no = 1;
                    display_name = "ecomexample";
                    opaque_data = "";
                    default_data = "ecomexample";
                }
            };
        }
    };
}
```

• Proxy

?????????DLL??ECom?????????TImplementationProxy?????????(NewL)???ID?TImplementationProxy?????????ID???????????

```
#include <e32std.h>
#include <ImplementationProxy.h>
#include "CMyHelloEcom.h"

// Maps the interface UIDs to implementation factory functions
const TImplementationProxy ImplementationTable[] =
{
    IMPLEMENTATION_PROXY_ENTRY(0xE0009DC7, CMyHelloEcom::NewL)
};

// Exported proxy for instantiation method resolution
EXPORT_C const TImplementationProxy* ImplementationGroupProxy
(TInt& aTableCount)
{
    aTableCount =
        sizeof(ImplementationTable) / sizeof(TImplementationProxy);
    return ImplementationTable;
}
```

• ??

????ECom?????????ECom????????????????????????factory functions???"proxy"??