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Category	Qt for Symbian	Subcategory	Base/System

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Overview

Qt applications can be extended with Qt plug-ins, which means that some of the application functionality is implemented as common plug-in libraries loaded into the application memory at runtime. To be extendable, the application has to define a common plug-in interface (`exampleplugininterface.h`). Note that the application does not see the plug-ins directly but only methods and data that are defined into the interface. The detection and loading of plug-ins is handled using `QPluginLoader`.

This code snippet demonstrates how to define the lower-level Qt plug-in interface. Implementing the interface and using the plug-in are described in additional snippet articles.

Note: In order to use this code, you need to have Qt for S60 installed on your platform.

Preconditions

- Install latest Qt for S60 see [Qt for S60 - Installation packages](#)
- Check this link for installation guide: [How to install the package](#).
- Go through this article: [Getting started with Qt for S60](#)

Header (exampleplugininterface.h)

The plug-in interface for all "example plug-ins". The plug-in must implement the `virtual sayHello()` method and the `virtual someSlot()` slot.

CS001390_-_Defining_a_Qt_plug-in_interface

```
#include <QObject>
#include <QString>

class ExamplePluginInterface : public QObject
{
public:
    virtual ~ExamplePluginInterface() {}
    virtual QString sayHello() = 0;

public slots:
    virtual void someSlot(QString value) = 0;

protected: // Common data for the plugins
    QString data;
};

// This Qt macro associates the given Identifier
// "Forum.Nokia.wiki.pluginsnippet.ExamplePluginInterface/1.0"
// to the interface class called ExamplePluginInterface.
// The Identifier must be unique.
Q_DECLARE_INTERFACE(ExamplePluginInterface,
    "Forum.Nokia.wiki.pluginsnippet.ExamplePluginInterface/1.0");
```

See also

- [CS001391 - Implementing the Qt plug-in interface](#)
- [CS001425 - Loading and initialising a Qt plug-in dynamically](#)
- For more information about, see [How to Create Qt Plugins](#).

Postconditions

The Qt plug-in interface is defined.