Qualisys plugin for "Model Display"

v1.0-0

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

networkInterface
    sampleNetwork 7
QObject
    sampleNetwork 7
QWidget
    windData 10
sampleSettings 9

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

sampleNetwork 7
sampleSettings 9
windData 10

Chapter 3

File Index

3.1 File List

Here is a list of all files with brief descriptions:

sampleNetwork.cpp 13
sampleNetwork.h 13
sampleSettings.cpp 14
sampleSettings.h 15
windData.cpp 16
windData.h 16

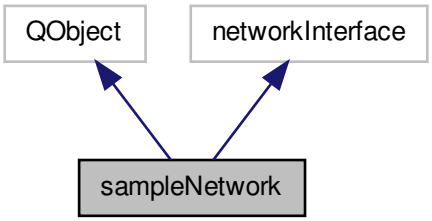
Chapter 4

Class Documentation

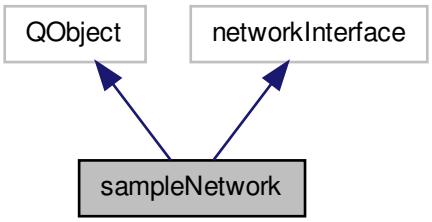
4.1 sampleNetwork Class Reference

`#include <sampleNetwork.h>`

Inheritance diagram for sampleNetwork:



Collaboration diagram for sampleNetwork:



Public Slots

- virtual void connectToPeer ()
- virtual void disconnectFromPeer ()

Signals

- void pluginRunning ()

Public Member Functions

- sampleNetwork (QObject *parent=0)
- QObject * asQObject ()
- QString pluginName ()
- QString pluginDescription ()
- QString xmlRootTag ()
- void readXML (QDomNode root)
- QStringList writeXML ()
- QWidget * statusIndicator ()
- QWidget * settingsPanel ()
- void storeSettings ()

4.1.1 Constructor & Destructor Documentation

4.1.1.1 sampleNetwork::sampleNetwork (QObject * *parent* = `0`)

4.1.2 Member Function Documentation

4.1.2.1 QObject * sampleNetwork::asQObject ( )

4.1.2.2 void sampleNetwork::connectToPeer ( ) `[virtual],[slot]`

4.1.2.3 void sampleNetwork::disconnectFromPeer ( ) `[virtual],[slot]`

4.1.2.4 QString sampleNetwork::pluginDescription ( )

4.1.2.5 QString sampleNetwork::pluginName ( )

4.1.2.6 void sampleNetwork::pluginRunning ( ) `[signal]`

4.1.2.7 void sampleNetwork::readXML (QDomNode *root*)

4.1.2.8 QWidget * sampleNetwork::settingsPanel ( )

4.1.2.9 QWidget * sampleNetwork::statusIndicator ( )

4.1.2.10 void sampleNetwork::storeSettings ( )

4.1.2.11 QStringList sampleNetwork::writeXML ( )

4.1.2.12 QString sampleNetwork::xmlRootTag ( )

The documentation for this class was generated from the following files:

- sampleNetwork.h
- sampleNetwork.cpp

4.2 sampleSettings Class Reference

`#include <sampleSettings.h>`

Public Member Functions

- sampleSettings ()
- void readXML (QDomNode root)
- QStringList writeXML ()
- void storeGUIValues ()

Public Attributes

- QString host
- int port
- int reconnectRate
- int connectTimeout
- int messageTimeout
- bool autoReconnect
- QWidget * guiPanel

4.2.1 Constructor & Destructor Documentation

4.2.1.1 sampleSettings::sampleSettings ( )

4.2.2 Member Function Documentation

4.2.2.1 void sampleSettings::readXML (QDomNode *root*)

4.2.2.2 void sampleSettings::storeGUIValues ( )

4.2.2.3 QStringList sampleSettings::writeXML ( )

4.2.3 Member Data Documentation

4.2.3.1 bool sampleSettings::autoReconnect

4.2.3.2 int sampleSettings::connectTimeout

4.2.3.3 QWidget* sampleSettings::guiPanel

4.2.3.4 QString sampleSettings::host

4.2.3.5 int sampleSettings::messageTimeout

4.2.3.6 int sampleSettings::port

4.2.3.7 int sampleSettings::reconnectRate

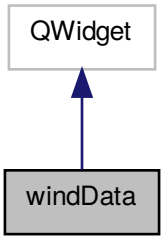
The documentation for this class was generated from the following files:

- sampleSettings.h
- sampleSettings.cpp

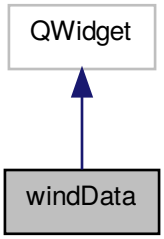
4.3 windData Class Reference

`#include <windData.h>`

Inheritance diagram for windData:



Collaboration diagram for windData:



Public Member Functions

- windData (QWidget *parent=0)

4.3.1 Detailed Description

Widget to collect wind data and plot a time history on the screen

4.3.2 Constructor & Destructor Documentation

4.3.2.1 windData::windData (QWidget * *parent* = 0)

The documentation for this class was generated from the following files:

- windData.h
- windData.cpp

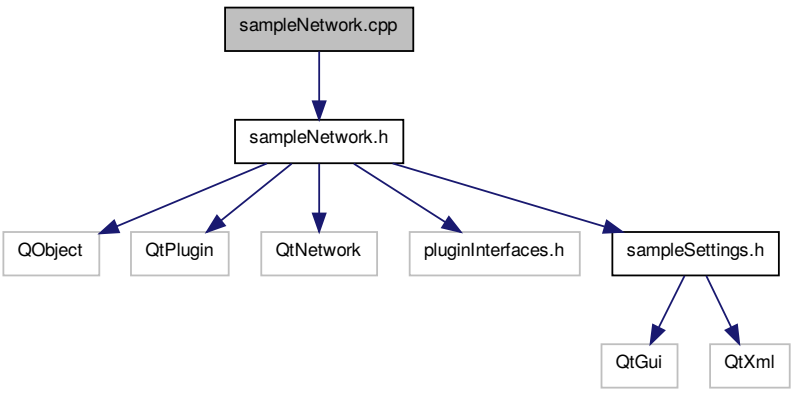
Chapter 5

File Documentation

5.1 sampleNetwork.cpp File Reference

```
#include "sampleNetwork.h"
```

Include dependency graph for sampleNetwork.cpp:



Functions

- Q_EXPORT_PLUGIN2 (sampleNetwork, sampleNetwork)

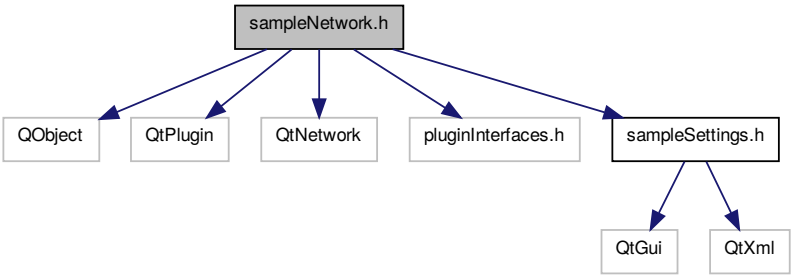
5.1.1 Function Documentation

5.1.1.1 Q_EXPORT_PLUGIN2 (sampleNetwork , sampleNetwork)

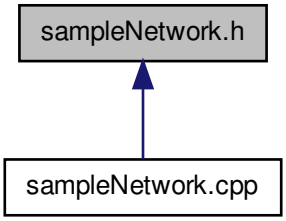
5.2 sampleNetwork.h File Reference

```
#include <QObject>
#include <QtPlugin>
#include <QtNetwork>
#include <pluginInterfaces.h>
#include "sampleSettings.h"
```

Include dependency graph for sampleNetwork.h:



This graph shows which files directly or indirectly include this file:



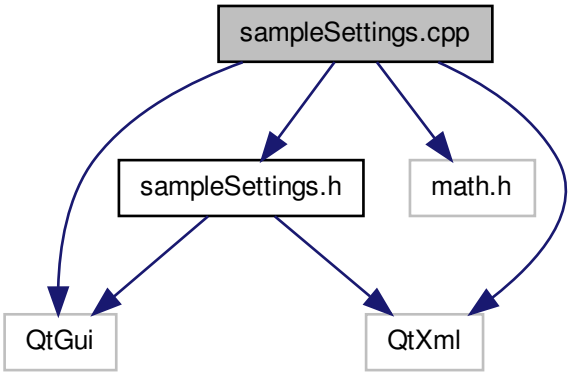
Classes

- class sampleNetwork

5.3 sampleSettings.cpp File Reference

```
#include <QtGui>
#include <QtXml>
#include <math.h>
#include "sampleSettings.h"
```

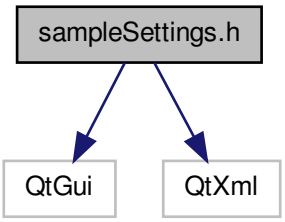
Include dependency graph for sampleSettings.cpp:



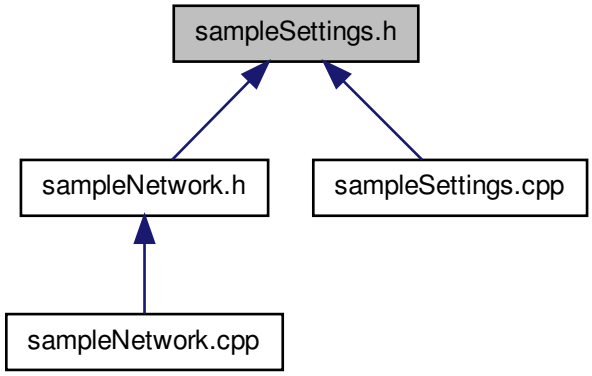
5.4 sampleSettings.h File Reference

```
#include <QtGui>
#include <QtXml>
```

Include dependency graph for sampleSettings.h:



This graph shows which files directly or indirectly include this file:



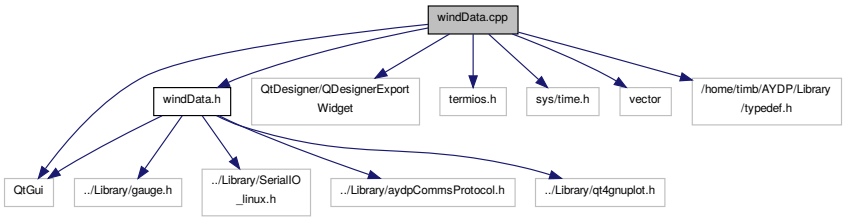
Classes

- class sampleSettings

5.5 windData.cpp File Reference

```
#include "windData.h"
```

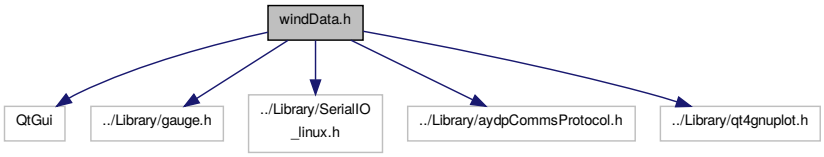
Include dependency graph for windData.cpp:



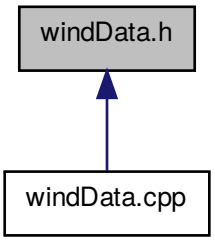
5.6 windData.h File Reference

```
#include <QtGui>
#include "../Library/gauge.h"
#include "../Library/SerialIO_linux.h"
#include "../Library/aydpCommsProtocol.h"
#include "../Library/qt4gnuplot.h"
```

Include dependency graph for windData.h:



This graph shows which files directly or indirectly include this file:



Classes

- class windData