

# Header Hooking for fun and profit

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```
c:\qt\4.7.3\include\QtCore\../../src/  
corelib/tools/qhash.h(71): warning  
C4127: conditional expression is  
constant
```

```
#include <QtCore/Qtimer>
```

```
#pragma warning(push)  
#pragma warning(disable: 4127)  
#include <QtCore/Qtimer>  
#pragma warning(pop)
```

```
SUPPRESS_QT_WARNINGS_BEGIN  
#include <QtCore/Qtimer>  
SUPPRESS_QT_WARNINGS_BEGIN
```

```
$ find . -type f -iregex '.*\[ch\](pp  
\)*' -print0 | xargs -0 grep -l  
'#include.*<Q' | wc -l
```

**332**



E skool!





```
/Qt/4.7.3/include/QtCore/qhash.h
```

`/Qt/4.7.3/include/QtCore/qhash.h`

`-I/Qt/4.7.3/include`

```
/Qt/4.7.3/include/QtCore/qhash.h
```

```
-I/Qt/4.7.3/include
```

```
#include <QtCore/qhash.h>
```

```
/Qt/4.7.3/include/QtCore/qhash.h
```

```
-I/Qt/4.7.3/include
```

```
#include <QtCore/qhash.h>
```

```
#include <../include/QtCore/qhash.h>
```

/Qt/4.7.3/include/QtCore/qhash.h

-I/Qt/4.7.3/include

header-hooks/QtCore/qhash.h

-Iheader-hooks

```
#include <QtCore/qhash.h>
```

```
#include <../include/QtCore/qhash.h>
```

header-hooks/QtCore/qhash.h:

```
#pragma once
```

```
#pragma warning(push)
```

```
#pragma warning(disable: 4127)
```

```
#include <../include/QtCore/qhash.h>
```

```
#pragma warning(pop)
```

```
c:\qt\4.7.3\include\qt\core\../../src/  
corelib/tools/checkbox(71): warning  
C4127: conditional expression is  
constant
```

```
#!/bin/bash -e

cd "$(dirname "$0")"

qtbase=/cygdrive/c/Qt/4.7.3/include

rm -fr qt-header-patches/{QtGUI,QtCore}

for f in $(cd $qtbase && find QtGUI QtCore \( -type f
-print \) -o \( -type d -name private -prune \) ); do
    dest="qt-header-patches/$f"
    mkdir -p "$(dirname "$dest")"
    echo $dest
    printf "#pragma once\r\n\r\n#include \"qt-header-
patches-pre.hpp\"\r\n#include
HEADER_PATCHES_QT_HEADER($f)\r\n#include \"qt-header-
patches-post.hpp\"\r\n" > qt-header-patches/$f
done
```



header-hooks/QtCore/qwaitcondition.h  
header-hooks/QtCore/QWeakPointer  
header-hooks/QtCore/QWriteLocker  
header-hooks/QtCore/qxmlstream.h  
header-hooks/QtCore/QXmlStreamAttribute  
header-hooks/QtCore/QXmlStreamAttributes  
header-hooks/QtCore/QXmlStreamEntityDeclaration  
header-hooks/QtCore/QXmlStreamEntityDeclaration  
header-hooks/QtCore/QXmlStreamEntityResolver  
header-hooks/QtCore/QXmlStreamNamespaceDeclaration  
header-hooks/QtCore/QXmlStreamNamespaceDeclaration  
header-hooks/QtCore/QXmlStreamNotationDeclaration  
header-hooks/QtCore/QXmlStreamNotationDeclaration  
header-hooks/QtCore/QXmlStreamReader  
header-hooks/QtCore/QXmlStreamStringRef  
header-hooks/QtCore/QXmlStreamWriter  
header-hooks/QtGui  
header-hooks/QtGui/QAbstractButton  
header-hooks/QtGui/qabstractbutton.h  
header-hooks/QtGui/QAbstractButtonPrivate

Please tell me if this is  
a terrible idea