

U++ - Bug #836

r7603 GCC compilation issue

08/25/2014 08:58 PM - Zbigniew Rebacz

Status:	Approved	Start date:	08/25/2014
Priority:	Urgent	Due date:	
Assignee:	Zbigniew Rebacz	% Done:	0%
Category:	IDE	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
Log:			
<pre>In file included from /home/klugier/upp/uppsrc/ide/Navigator.cpp:1:0: /home/klugier/upp/uppsrc/ide/ide.h:367:43: error: template argument 2 is invalid VectorMap<int, SortedVectorMap<int, int> > linefo; ^ /home/klugier/upp/uppsrc/ide/Navigator.cpp: In member function 'void AssistEditor::SyncCursor()': /home/klugier/upp/uppsrc/ide/Navigator.cpp:24:18: error: request for member 'Find' in '((AssistEditor*)this)->AssistEditor::linefo', which is of non-class type 'int' int q = linefo.Find(GetCppFileIndex(theide->editfile)); ^ /home/klugier/upp/uppsrc/ide/Navigator.cpp:28:3: error: reference to 'SortedVectorMap' is ambiguous SortedVectorMap<int, int>& m = linefo[q]; ^ In file included from uppsrc/Core/Core.h:290:0, from uppsrc/Esc/Esc.h:4, from uppsrc/ide/Core/Core.h:4, from uppsrc/ide/Common/Common.h:4, from /home/klugier/upp/uppsrc/ide/ide.h:4, from /home/klugier/upp/uppsrc/ide/Navigator.cpp:1: uppsrc/Core/InVector.h:25:56: note: candidates are: template<class K, class TT, class Less> class Upp::SortedVectorMap template <class K, class TT, class Less> friend class SortedVectorMap; ^ In file included from uppsrc/Core/Core.h:290:0, from uppsrc/Esc/Esc.h:4, from uppsrc/ide/Core/Core.h:4, from uppsrc/ide/Common/Common.h:4, from /home/klugier/upp/uppsrc/ide/ide.h:4, from /home/klugier/upp/uppsrc/ide/Navigator.cpp:1: uppsrc/Core/InVector.h:610:7: note: template<class K, class T, class Less> class Upp::SortedVectorMap class SortedVectorMap : public SortedAMap<K, T, Less, Slaved_InVector__<T> >, ^ /home/klugier/upp/uppsrc/ide/Navigator.cpp:28:19: error: expected primary-expression before 'int' SortedVectorMap<int, int>& m = linefo[q]; ^ /home/klugier/upp/uppsrc/ide/Navigator.cpp:28:19: error: expected ';' before 'int' /home/klugier/upp/uppsrc/ide/Navigator.cpp:29:7: error: 'm' was not declared in this scope q = m.FindUpperBound(GetLine(GetCursor()) + 1) - 1; ^ /home/klugier/upp/uppsrc/ide/Navigator.cpp: In member function 'void AssistEditor::Scope()': /home/klugier/upp/uppsrc/ide/Navigator.cpp:552:9: error: request for member 'Clear' in '((AssistEditor*)this)->AssistEditor::linefo', which is of non-class type 'int'</pre>			

```
linefo.Clear();
```

```
^
```

```
/home/klugier/upp/uppsrc/ide/Navigator.cpp:573:12: error: request for member 'GetAdd' in  
'((AssistEditor*)this)->AssistEditor::linefo', which is of non-class type 'int'
```

```
linefo.GetAdd(m->linefo[j].file).Add(m->linefo[j].line, litem.GetCount());
```

```
^
```

```
-e => \e[1mCreating archive\e[0m \e[34m_out/ide/Debuggers/GUI.LINUX.MT.POSIX.SSE2/Debuggers.a\e[0m
```

```
In file included from /home/klugier/upp/uppsrc/ide/Assist.cpp:1:0:
```

```
/home/klugier/upp/uppsrc/ide/ide.h:367:43: error: template argument 2 is invalid
```

```
VectorMap<int, SortedVectorMap<int, int> > linefo;
```

```
^
```

```
In file included from /home/klugier/upp/uppsrc/ide/Debug.cpp:1:0:
```

```
/home/klugier/upp/uppsrc/ide/ide.h:367:43: error: template argument 2 is invalid
```

```
VectorMap<int, SortedVectorMap<int, int> > linefo;
```

History

#1 - 08/29/2014 02:54 PM - Miroslav Fidler

- Assignee changed from Miroslav Fidler to Zbigniew Rebacz

Weird, it works for me.

What is OS/GCC version?

Does tutorial/Ntl14 compile on your setup?

#2 - 08/29/2014 09:31 PM - Zbigniew Rebacz

- Assignee changed from Zbigniew Rebacz to Miroslav Fidler

Still not luck (revision 7621). Log for fresh ide build:

```
In file included from /home/klugier/upp/uppsrc/ide/Debuggers/Gdb_MI2.cpp:2:0:
```

```
uppsrc/ide/ide.h:368:43: error: template argument 2 is invalid
```

```
VectorMap<int, SortedVectorMap<int, int> > linefo;
```

Compiler/OS:

Compiler: gcc-4.8.real (Ubuntu 4.8.2-19ubuntu1) 4.8.2

Kernel: 3.13.0-35-generic linux

OS: Ubuntu 14.04

#3 - 08/30/2014 12:04 AM - Zbigniew Rebacz

Moreover It seems that Oblivion has got compilation issue too, but the reason is different:

```
uppsrc/ide/Debug.cpp: In member function 'void Ide::ConditionalBreak()':
uppsrc/ide/Debug.cpp:296:53: Error: 'EditPDBExpression' is not declared in this scope
    if(EditPDBExpression("Conditional breakpoint", brk))
```

Link to topi: http://www.ultimatepp.org/forums/index.php?t=msg&goto=43551&#msg_43551

#4 - 08/30/2014 11:21 AM - Miroslav Fidler

- Assignee changed from Miroslav Fidler to Zbigniew Rebacz

Well, Oblivion's issue is fixed, but I am unable to reproduce yours. In fact, I believe that you might have some problem with your local checkout...

I am testing with

gcc (Ubuntu/Linaro 4.8.1-10ubuntu9) 4.8.1

that is perhaps not the issue.

I have asked you to test 'tutorial/Ntl14'. Does it compile for your?

Do you have "InVector.h" in Core?

Mirek

#5 - 08/30/2014 01:20 PM - Zbigniew Rebacz

- Assignee changed from Zbigniew Rebacz to Miroslav Fidler

Still not luck on the r7623 with the same error (GCC). Not errors when compiling tutorial/NTL14 and I have "InVector.h" in Core.

But using clang++ 3.4 as compiler TheIDE compiles normally. It seems that it is GCC 4.8.2 related issue.

P.S.

Compiling with clang++ is not fun, because it produces a lot of warnings like this:

```
/home/klugier/upp/uppsrc/ide/Valgrind.cpp:117:40: warning: '&&' within '||' [-Wlogical-op-parentheses]
    src = src || hasline && hasdir && hasfile;
    ~~~~~^~~~~~
/home/klugier/upp/uppsrc/ide/Valgrind.cpp:117:40: note: place parentheses around the '&&' expression to silence this warning
    src = src || hasline && hasdir && hasfile;
                      ^
    (                )
```

#6 - 08/31/2014 12:29 PM - Miroslav Fidler

- Status changed from New to Ready for QA

- Assignee changed from Miroslav Fidler to Zbigniew Rebacz

Compiler bug, but with easy workaround. Please check...

(WRT clang++, just add -Wlogical-op-parentheses to common commandline...)

#7 - 08/31/2014 02:16 PM - Zbigniew Rebacz

- Status changed from Ready for QA to Approved