

## U++ - Bug #1807

### Debugging close the debuggable process (Standard - GDB interface)

11/08/2017 12:48 AM - Zbigniew Rebacz

<b>Status:</b>	Approved	<b>Start date:</b>	11/08/2017
<b>Priority:</b>	Urgent	<b>Due date:</b>	
<b>Assignee:</b>	Zbigniew Rebacz	<b>% Done:</b>	0%
<b>Category:</b>	IDE	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Release 2017.2	<b>Spent time:</b>	0.00 hour

#### Description

The debugger quality is bad and it should be improved. We can not tolerate that it close the application when breakpoint is hit multiple times.

1. Open ide project and set breakpoint in following code (ide/EditorTabBar.cpp):

```
void Ide::FileSelected()
{
    if(IsNull(editfile))
        return;

    tabs.SetAddFile(editfile); // Break point here!!
}
```

2. Start debugging ide and click on any file tab.
3. Continue in debug
4. Continue in debug

After the second continue ide stop debugging. This ruin the debugging experience, so much.

#### History

##### #1 - 11/08/2017 12:48 AM - Zbigniew Rebacz

- Description updated

##### #2 - 11/09/2017 10:26 AM - Miroslav Fidler

Please check with verbose mode active. That should display GDB communication protocol.

Alternatively, check with 'raw' GDB (from commandline).

It is not unlikely that the problem is in GDB - if true, there is very little we can do about that...

##### #3 - 11/09/2017 10:26 AM - Miroslav Fidler

- Assignee changed from Miroslav Fidler to Zbigniew Rebacz

##### #4 - 11/09/2017 11:02 PM - Zbigniew Rebacz

GDB output:

```
OK. (0:32.76)
gdb /home/klugier/.upp/_out/uppsrc/GCC.Debug.Debug_Full.Gui.Shared/ide
```

```
set prompt <u++dbg-q98klwr835f427>
GNU gdb (Ubuntu 7.11.1-0ubuntu1~16.5) 7.11.1
Copyright (C) 2016 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law. Type "show copying"
and "show warranty" for details.
This GDB was configured as "x86_64-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
<http://www.gnu.org/software/gdb/bugs/>.
Find the GDB manual and other documentation resources online at:
<http://www.gnu.org/software/gdb/documentation/>.
For help, type "help".
Type "apropos word" to search for commands related to "word"...
Reading symbols from /home/klugier/.upp/_out/uppsrc/GCC.Debug.Debug_Full.Gui.Shared/ide...done.
(gdb)
set disassembly-flavor intel

set exec-done-display off

set annotate 1

set height 0

set width 0

set confirm off

set print asm-demangle

set print static-members off

set print vtbl off

set print repeat 0

set print null-stop

b /home/klugier/upp/uppsrc/ide/EditorTabBar.cpp:141 if 1
Breakpoint 1 at 0x445f04: file /home/klugier/upp/uppsrc/ide/EditorTabBar.cpp, line 141.

run
Starting program: /home/klugier/.upp/_out/uppsrc/GCC.Debug.Debug_Full.Gui.Shared/ide
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".
[New Thread 0x7ffec0de700 (LWP 4809)]
[New Thread 0x7ffeb8dd700 (LWP 4810)]
[New Thread 0x7ffeb0dc700 (LWP 4811)]
[New Thread 0x7ffea8db700 (LWP 4812)]
[New Thread 0x7ffea0da700 (LWP 4813)]
[New Thread 0x7ffe98d9700 (LWP 4814)]
```

Thread 1 "ide" hit Breakpoint 1, Ide::FileSelected (this=0x7fffffc2d20) at /home/klugier/upp/uppsrc/ide/EditorTabBar.cpp:141  
/home/klugier/upp/uppsrc/ide/EditorTabBar.cpp:141:2341:beg:0x445f04

disas

frame

#0 Ide::FileSelected (this=0x7fffffc2d20) at /home/klugier/upp/uppsrc/ide/EditorTabBar.cpp:141  
/home/klugier/upp/uppsrc/ide/EditorTabBar.cpp:141:2341:beg:0x445f04

info threads

print if

A syntax error in expression, near `if`.

print IsNull

\$1 = {bool (const Upp::Value &)} 0x4c94ee <Upp::IsNull(Upp::Value const&)>

print editfile

\$2 = {<Upp::Moveable<Upp::String, Upp::AString<Upp::String0>>> = {<Upp::AString<Upp::String0>> = {<Upp::String0> =  
{<Upp::Moveable<Upp::String0, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, {chr =  
"\250\254\002\347\377\177", ptr  
= 0x7ffe702aca8 "/home/klugier/upp/uppsrc/Core/CharSet.cpp", wptr = 0x7ffe702aca8, qptr = 0x7ffe702aca8, v = {44200, 59138, 32767, 0,  
41, 0, 0, 3895}, w = {3875712168, 32767, 41, 255262720}, q = {140737069100200, 1096345034288005161}}, len = 41, s = 0x7ff  
e702aca8 "/home/klugier/upp/uppsrc/Core/CharSet.cpp"}, <No data fields>, <No data fields>, <No data fields>}

print return

No symbol "return" in current context.

print tabs

print tabs.SetAddFile

\$4 = {void (EditorTabBar \* const, const Upp::String &)} 0x4452f2 <EditorTabBar::SetAddFile(Upp::String const&)>

print Ide::FileSelected

Cannot reference virtual member function "FileSelected"

print tc

\$5 = 1.4616321449683623412809166386416848

print jd

No symbol "jd" in current context.

print tabs.GetTabStackLR

\$6 = {int (Upp::TabBar \* const, int)} 0x787a72 <Upp::TabBar::GetTabStackLR(int)>

print i

No symbol "i" in current context.

print tabs.Clear

\$7 = {void (Upp::TabBar \* const)} 0x78f39c <Upp::TabBar::Clear()>

print tabs.GetCount

\$8 = {int (const Upp::TabBar \* const)} 0x4d379c <Upp::TabBar::GetCount() const>

continue

Continuing.

Debugger terminated

**#5 - 11/09/2017 11:02 PM - Zbigniew Rebacz**

- Assignee changed from Zbigniew Rebacz to Miroslav Fidler

**#6 - 11/09/2017 11:44 PM - Zbigniew Rebacz**

The second GDB interface crash ide completely :(

**#7 - 11/13/2017 11:30 AM - Miroslav Fidler**

- Status changed from New to Ready for QA

- Assignee changed from Miroslav Fidler to Zbigniew Rebacz

Hopefully fixed

**#8 - 11/26/2017 06:40 PM - Zbigniew Rebacz**

- Status changed from Ready for QA to Approved