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Subject: Back in HelpWindow crashes the application  
Posted by [dolik.rce](#) on Sat, 03 Oct 2009 15:06:06 GMT  
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Hi,

I've noticed, that hitting "Back" button in HelpWindow causes segfault if compiled with DEBUG flag. This is not critical bug, as long as it works in release mode, but I thought you should know

I discovered this while writing help for my application, but it happens in other apps too. You can use PieTest from bazaar as a test case. Precise series of actions leading to crash PieTest is:

Run the application compiled in DEBUG mode  
Click "?" button to open HelpWindow  
Click on topic Page2  
Click "Back" button  
If I run it in debugger, last available backtrace (one more step leads to Panic() call) reads:  
Upp::AtomicInc (t=@0x6565723e) at /media/other/opt/uppsvn/uppsrc/Core/Mt.h:456  
Upp::String0::LSet (this=0xbff70b7c, s=@0xb7f4f9d4) at /media/other/opt/uppsvn/uppsrc/Core/String.cpp:23  
Upp::String0::Assign (this=0xbff70b7c, s=@0xb7f4f9d4) at /media/other/opt/uppsvn/uppsrc/Core/String.h:218  
Upp::String::operator= (this=0xbff70b7c, s=@0xb7f4f9d4) at /media/other/opt/uppsvn/uppsrc/Core/String.h:301  
Upp::HelpWindow::GoTo0 (this=0xbff6f9a4, link=@0xb7f4f9d4) at /media/other/opt/uppsvn/uppsrc/CtrlLib/Help.cpp:31  
Upp::HelpWindow::Back (this=0xbff6f9a4) at /media/other/opt/uppsvn/uppsrc/CtrlLib/Help.cpp:64  
Upp::CallbackMethodAction<Upp::HelpWindow, void (Upp::HelpWindow::\*)()>::Execute (this=0xb78c6260) at /media/other/opt/uppsvn/uppsrc/Core/Cbgen.h:31  
Upp::Callback::Execute (this=0xb7f49898) at /media/other/opt/uppsvn/uppsrc/Core/Callback.cpp:11  
Upp::Callback::operator() (this=0xb7f49898) at /media/other/opt/uppsvn/uppsrc/Core/Cbgen.h:63  
Upp::ToolButton::LeftUp (this=0xb7f49830) at /media/other/opt/uppsvn/uppsrc/CtrlLib/ToolButton.cpp:286  
Upp::Ctrl::MouseEvent (this=0xb7f49830, event=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>}, <No data fields>}, x = -1074336664, y = 0}, zdelta=0, keyflags=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:135  
Upp::Ctrl::MouseEventH (this=0xb7f49830, event=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>}, <No data fields>}, x = -1074336528, y = 0}, zdelta=0, keyflags=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:89  
Upp::Ctrl::MEvent0 (this=0xb7f49830, e=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>}, <No data fields>}, x = -1074336320, y = 0}, zd=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:293  
Upp::Ctrl::DispatchMouseEvent (this=0xb7f49830, e=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>}, <No data fields>}, x = -1074336088, y = 0}, zd=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:552  
Upp::Ctrl::DispatchMouseEvent (this=0xbff709f4, e=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>}, <No data fields>}, x =

-1074335864, y = 0}, zd=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:552  
Upp::Ctrl::DispatchMouseEvent (this=0xbff70958, e=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, x = -1074335640, y = 0}, zd=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:552  
Upp::Ctrl::DispatchMouseEvent (this=0xbff6f9a4, e=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, x = -1074335436, y = 0}, zd=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:552  
Upp::Ctrl::DispatchMouse (this=0xbff6f9a4, e=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, x = -1074334688, y = 0}, zd=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:530  
Upp::Ctrl::EventProc (this=0xbff6f9a4, w=@0xb78c9610, event=0xbff6f7bc) at /media/other/opt/uppsvn/uppsrc/CtrlCore/X11Proc.cpp:347  
Upp::TopWindow::EventProc (this=0xbff6f9a4, w=@0xb78c9610, event=0xbff6f7bc) at /media/other/opt/uppsvn/uppsrc/CtrlCore/TopWinX11.cpp:57  
Upp::Ctrl::ProcessEvent (event=0xbff6f7bc) at /media/other/opt/uppsvn/uppsrc/CtrlCore/X11Wnd.cpp:238  
Upp::Ctrl::EventLoop0 (ctrl=0xbff6f9a4) at /media/other/opt/uppsvn/uppsrc/CtrlCore/X11Wnd.cpp:367  
Upp::CallbackActionCallArg<void (\*) (Upp::Ctrl\*), Upp::Ctrl\*, unsigned int>::Execute (this=0xb78c61a0) at /media/other/opt/uppsvn/uppsrc/Core/Callback.h:53  
Upp::Callback::Execute (this=0xbff6f89c) at /media/other/opt/uppsvn/uppsrc/Core/Callback.cpp:11  
Upp::Callback::operator() (this=0xbff6f89c) at /media/other/opt/uppsvn/uppsrc/Core/Cbgen.h:63  
Upp::Ctrl::Call (cb={<Upp::Moveable<Upp::Callback, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, action = 0xbff6f89c}) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMt.cpp:118  
Upp::Ctrl::EventLoop (ctrl=0xbff6f9a4) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMt.cpp:189  
Upp::TopWindow::Run (this=0xbff6f9a4, appmodal=false) at /media/other/opt/uppsvn/uppsrc/CtrlCore/TopWindow.cpp:312  
Upp::TopWindow::Execute (this=0xbff6f9a4) at /media/other/opt/uppsvn/uppsrc/CtrlCore/TopWindow.cpp:331  
PieTest::Help (this=0xbff718d0) at /media/other/opt/uppsvn/bazaar/PieTest/main.cpp:94  
Upp::CallbackMethodAction<PieTest, void (PieTest::\*)()>::Execute (this=0xb7f52770) at /media/other/opt/uppsvn/uppsrc/Core/Cbgen.h:31  
Upp::Callback::Execute (this=0xbff71f2c) at /media/other/opt/uppsvn/uppsrc/Core/Callback.cpp:11  
Upp::Callback::operator() (this=0xbff71f2c) at /media/other/opt/uppsvn/uppsrc/Core/Cbgen.h:63  
Upp::Pusher::PerformAction (this=0xbff71ec4) at /media/other/opt/uppsvn/uppsrc/CtrlLib/Button.cpp:16  
Upp::Pusher::FinishPush (this=0xbff71ec4) at /media/other/opt/uppsvn/uppsrc/CtrlLib/Button.cpp:98  
Upp::Pusher::LeftUp (this=0xbff71ec4) at /media/other/opt/uppsvn/uppsrc/CtrlLib/Button.cpp:56  
Upp::Ctrl::MouseEvent (this=0xbff71ec4, event=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, x = -1074328152, y = 0}, zdelta=0, keyflags=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:135  
Upp::Ctrl::MouseEventH (this=0xbff71ec4, event=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, x = -1074328016, y = 0}, zdelta=0, keyflags=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:89

Upp::Ctrl::MEvent0 (this=0xbff71ec4, e=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, x = -1074327808, y = 0}, zd=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:293  
Upp::Ctrl::DispatchMouseEvent (this=0xbff71ec4, e=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, x = -1074327576, y = 0}, zd=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:552  
Upp::Ctrl::DispatchMouseEvent (this=0xbff718d0, e=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, x = -1074327372, y = 0}, zd=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:552  
Upp::Ctrl::DispatchMouse (this=0xbff718d0, e=145, p={<Upp::Moveable<Upp::Point\_<int>, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, x = -1074326624, y = 0}, zd=0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMouse.cpp:530  
Upp::Ctrl::EventProc (this=0xbff718d0, w=@0xb7f50910, event=0xbff7173c) at /media/other/opt/uppsvn/uppsrc/CtrlCore/X11Proc.cpp:347  
Upp::TopWindow::EventProc (this=0xbff718d0, w=@0xb7f50910, event=0xbff7173c) at /media/other/opt/uppsvn/uppsrc/CtrlCore/TopWinX11.cpp:57  
Upp::Ctrl::ProcessEvent (event=0xbff7173c) at /media/other/opt/uppsvn/uppsrc/CtrlCore/X11Wnd.cpp:238  
Upp::Ctrl::EventLoop0 (ctrl=0xbff718d0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/X11Wnd.cpp:367  
Upp::CallbackActionCallArg<void (\*)(Upp::Ctrl\*), Upp::Ctrl\*, unsigned int>::Execute (this=0xb7f52620) at /media/other/opt/uppsvn/uppsrc/Core/Callback.h:53  
Upp::Callback::Execute (this=0xbff7181c) at /media/other/opt/uppsvn/uppsrc/Core/Callback.cpp:11  
Upp::Callback::operator() (this=0xbff7181c) at /media/other/opt/uppsvn/uppsrc/Core/Cbgen.h:63  
Upp::Ctrl::Call (cb={<Upp::Moveable<Upp::Callback, Upp::EmptyClass>> = {<Upp::EmptyClass> = {<No data fields>, <No data fields>}, action = 0xbff7181c}) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMt.cpp:118  
Upp::Ctrl::EventLoop (ctrl=0xbff718d0) at /media/other/opt/uppsvn/uppsrc/CtrlCore/CtrlMt.cpp:189  
Upp::TopWindow::Run (this=0xbff718d0, appmodal=false) at /media/other/opt/uppsvn/uppsrc/CtrlCore/TopWindow.cpp:312  
GuiMainFn\_ () at /media/other/opt/uppsvn/bazaar/PieTest/main.cpp:127  
main (argc=0, argv=0x0, envptr=0x0) at /media/other/opt/uppsvn/bazaar/PieTest/main.cpp:125  
I've tried with Upp releases 1585 and 1603, using g++-4.3 in Ubuntu 9.04.

Regards,  
Honza

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