

Modular - Bug #273

Modules crash on Mac PPC processors

2009-08-10 01:31 pm - Trond Lossius

Status:	Closed	Start date:	2009-08-10
Priority:	High	Due date:	
Assignee:	Tim Place	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	0.5	Spent time:	0.75 hour
Branch:		OS:	

Description

Today I have spent time setting up Jamoma and Max on a PPC (G5) at BEK.

Jamoma seems to be much less stable on PPC. E.g. loading the jmod.input~ module cause the crash below. This crash seems to come up a lot. Two possible solutions:

1. We look into the problem and see if we manage to track it down. There might be a problem buried here that could be worth considering even though it is currently not affecting us on Intel.
2. We say goodbye to PPC, and state that Jamoma requires Intel.

I would suggest at least doing some examination of the problem before jumping to #2.

Process: MaxMSP [4949]
Path: /Applications/Max5/MaxMSP.app/Contents/MacOS/MaxMSP
Identifier: com.cycling74.MaxMSP
Version: 5.0.7 (38325) (5.0.7)
Code Type: PPC (Native)
Parent Process: launchd [211]

Interval Since Last Report: 117 sec
Crashes Since Last Report: 1
Per-App Interval Since Last Report: 95 sec
Per-App Crashes Since Last Report: 1

Date/Time: 2009-08-10 13:24:53.067 +0200
OS Version: Mac OS X 10.5.8 (9L30)
Report Version: 6
Anonymous UUID: C6507781-17F9-41DC-9363-6268E2F7F7DF

Exception Type: EXC_BAD_ACCESS (SIGSEGV)
Exception Codes: KERN_INVALID_ADDRESS at 0x00000000ffffff
Crashed Thread: 0

Thread 0 Crashed:

```
0 com.cycling74.MaxMSP 0x000af038 atom_getlong + 24
1 com.cycling74.MaxMSP 0x000a6544 attr_offset_set + 76
2 com.cycling74.MaxMSP 0x000ac134 object_method + 596
3 com.cycling74.MaxMSP 0x0016fa20 jpatcher_setenable_iterfun + 36
4 com.cycling74.MaxMSP 0x0016a664 jpatcher_iterate_iterfun + 100
5 com.cycling74.MaxMSP 0x0005ac80 linklist_funall_break + 104
6 com.cycling74.MaxMSP 0x00168f48 jpatcher_iterate + 56
7 com.cycling74.MaxMSP 0x0016f9e4 jpatcher_setrock + 84
```

```

8 com.cycling74.MaxMSP      0x000ac304 object_method + 1060
9 com.cycling74.MaxMSP      0x00063ff8 outlet_msg + 116
10 com.cycling74.MaxMSP     0x00031284 defer_exec(defer*) + 84
11 com.cycling74.MaxMSP     0x00027f4c sched_dequeue + 180
12 com.cycling74.MaxMSP     0x00011210 max_tick + 112
13 com.cycling74.MaxMSP     0x001ce7a4 maxapplication_eventtimerproc(_EventLoopTimer*, void*) + 20
14 com.apple.CoreFoundation 0x96212818 CFRRunLoopRunSpecific + 2968
15 com.apple.HIToolbox      0x903a5b14 RunCurrentEventLoopInMode + 264
16 com.apple.HIToolbox      0x903a5938 ReceiveNextEventCommon + 412
17 com.cycling74.MaxMSP     0x002a679c juce::juce_dispatchNextMessageOnSystemQueue(bool) + 484
18 com.cycling74.MaxMSP     0x002b0794 juce::MessageManager::dispatchNextMessage(bool, bool*) + 88
19 com.cycling74.MaxMSP     0x002b0890 juce::MessageManager::runDispatchLoop() + 32
20 com.cycling74.MaxMSP     0x002aee34 juce::JUCEApplication::main(juce::String&, juce::JUCEApplication*) + 544
21 com.cycling74.MaxMSP     0x002aef20 juce::JUCEApplication::main(int, char**, juce::JUCEApplication*) + 132
22 com.cycling74.MaxMSP     0x00002ec8 _start + 756
23 com.cycling74.MaxMSP     0x00002bcc start + 44

```

Thread 1:

```

0 libSystem.B.dylib        0x962dc278 semaphore_timedwait_signal_trap + 8
1 libSystem.B.dylib        0x9631f368 _pthread_cond_wait + 1320
2 ...ple.CoreServices.CarbonCore 0x95862ab8 TSWaitOnConditionTimedRelative + 240
3 ...ple.CoreServices.CarbonCore 0x9586288c TSWaitOnSemaphoreCommon + 428
4 ...ple.CoreServices.CarbonCore 0x95894924 TimerThread + 68
5 libSystem.B.dylib        0x9631e0c4 _pthread_start + 316

```

Thread 2:

```

0 libSystem.B.dylib        0x9631d904 kevent + 12
1 com.apple.CoreFoundation 0x961e99b0 monitor_file_descriptor + 88

```

Thread 3:

```

0 libSystem.B.dylib        0x9631d904 kevent + 12
1 com.apple.CoreFoundation 0x961e99b0 monitor_file_descriptor + 88

```

Thread 4:

```

0 libSystem.B.dylib        0x9631d904 kevent + 12
1 com.apple.CoreFoundation 0x961e99b0 monitor_file_descriptor + 88

```

Thread 5:

```

0 libSystem.B.dylib        0x9631d904 kevent + 12
1 com.apple.CoreFoundation 0x961e99b0 monitor_file_descriptor + 88

```

Thread 6:

```

0 libSystem.B.dylib        0x962dc1f8 mach_msg_trap + 8
1 libSystem.B.dylib        0x962e311c mach_msg + 56
2 com.apple.CoreFoundation 0x96212394 CFRRunLoopRunSpecific + 1812
3 com.apple.audio.CoreAudio 0x95635fa8 HALRunLoop::OwnThread(void*) + 212
4 com.apple.audio.CoreAudio 0x95635de4 CAPThread::Entry(CAPThread*) + 104
5 libSystem.B.dylib        0x9631e0c4 _pthread_start + 316

```

Thread 7:

```

0 libSystem.B.dylib        0x962dc1f8 mach_msg_trap + 8
1 libSystem.B.dylib        0x962e311c mach_msg + 56
2 com.apple.audio.midi.CoreMIDI 0x06912f34 XServerMachPort::ReceiveMessage(int&, void*, int&) + 88

```

3 com.apple.audio.midi.CoreMIDI 0x06904adc MIDIInPortThread::Run() + 68
4 com.apple.audio.midi.CoreMIDI 0x06908104 XThread::RunHelper(void*) + 24
5 com.apple.audio.midi.CoreMIDI 0x06913aa8 CAPThread::Entry(CAPThread*) + 96
6 libSystem.B.dylib 0x9631e0c4 _pthread_start + 316

Thread 8:

0 libSystem.B.dylib 0x962dc278 semaphore_timedwait_signal_trap + 8
1 libSystem.B.dylib 0x9631f368 _pthread_cond_wait + 1320
2 com.cycling74.MaxMSP 0x002b1a60 juce::InternalTimerThread::run() + 312
3 com.cycling74.MaxMSP 0x002a5b90 juce::threadEntryProc(void*) + 12

Thread 0 crashed with PPC Thread State 32:

srr0: 0x000af038 srr1: 0x0000f030 dar: 0xffffffff dsisr: 0x40000000
r0: 0x00000000 r1: 0xbfffea40 r2: 0x0104b010 r3: 0xffffffff
r4: 0x092c9dc0 r5: 0x00000001 r6: 0xffffffff r7: 0xbfffea80
r8: 0x00000000 r9: 0x01044088 r10: 0x6470feff r11: 0xbfffeb28
r12: 0x000a64f8 r13: 0x00000000 r14: 0xa0a3f478 r15: 0x7fffffff
r16: 0xffffffff r17: 0x00000001 r18: 0x00000000 r19: 0x00000000
r20: 0x00000000 r21: 0x00000000 r22: 0xbffff300 r23: 0x00000f03
r24: 0x00a08800 r25: 0x00436958 r26: 0x00000002 r27: 0x00000000
r28: 0xbfffebcb8 r29: 0x000a64f8 r30: 0x09ab7848 r31: 0xffffffff
cr: 0x44042222 xer: 0x20000000 lr: 0x000a6548 ctr: 0x000a64f8
vrsave: 0x00000000

Binary Images:

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[0x9530000 - 0x953bfff +org.jamoma.jcom.message 0.5 \(0.5\) <985ae71fda25c21fe207664c81082e61>](#)
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/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/PrintCore.framework/Versions/A/PrintCore
0x94eea000 - 0x94ef5fff libgcc_s.1.dylib ? (?) <ea47fd375407f162c76d14d64ba246cd> /usr/lib/libgcc_s.1.dylib
0x94f35000 - 0x954effff libBLAS.dylib ? (?)
/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libBLAS.dylib
0x9552e000 - 0x955c7fc3 libvDSP.dylib ? (?)
/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versions/A/libvDSP.dylib
0x95613000 - 0x95613ffa com.apple.CoreServices 32 (32) <42b6dda539f7411606187335d9eae0c5>
/System/Library/Frameworks/CoreServices.framework/Versions/A/CoreServices
0x95614000 - 0x9569cffb com.apple.audio.CoreAudio 3.1.2 (3.1.2) <6fc8a8cb43506b57b951da899a55d3b9>
/System/Library/Frameworks/CoreAudio.framework/Versions/A/CoreAudio
0x9569d000 - 0x956c5fff libxslt.1.dylib ? (?) <bb985380f353bbc7ce694d56884ea156> /usr/lib/libxslt.1.dylib
0x95839000 - 0x95b3bffb com.apple.CoreServices.CarbonCore 786.11 (786.13) <550244bb91e27b0fbafe01e1c4371103>
/System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/CarbonCore.framework/Versions/A/CarbonCore
0x95b3c000 - 0x95c50ffa com.apple.vImage 3.0 (3.0)
/System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vImage.framework/Versions/A/vImage
0x95c52000 - 0x95e3bffb com.apple.security 5.0.5 (36371) <cfd97bfeda0ff5301a635ba6b6e4f83a>
/System/Library/Frameworks/Security.framework/Versions/A/Security
0x95e3c000 - 0x95e44ffb libCGATS.A.dylib ? (?) <d60b65eef9cb999d356856a652063f55>
/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/CoreGraphics.framework/Versions/A/Resources/libCGA
/libCGATS.A.dylib
0x95e45000 - 0x95e72fff libGL.dylib ? (?) /System/Library/Frameworks/OpenGL.framework/Versions/A/Libraries/libGL.dylib
0x95e73000 - 0x95e7cfff com.apple.DiskArbitration 2.2.1 (2.2.1) <682f5c45591e8c4a89c79e384e2c49af>
/System/Library/Frameworks/DiskArbitration.framework/Versions/A/DiskArbitration

```
0x95e7d000 - 0x95e7dfff com.apple.Accelerate 1.4.2 (Accelerate 1.4.2)
/System/Library/Frameworks/Accelerate.framework/Versions/A/Accelerate
0x95e7e000 - 0x95f18fff com.apple.ApplicationServices.ATS 3.7 (?) <2e748b84ad5232add84d6aaad73b832f>
/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/ATS.framework/Versions/A/ATS
0x95f19000 - 0x95f1eff6 libmathCommon.A.dylib ? (?) /usr/lib/system/libmathCommon.A.dylib
0x95f1f000 - 0x95f20fff libffi.dylib ? (?) <11b77dbce4aa0f0b66d40014230abd1d> /usr/lib/libffi.dylib
0x95f27000 - 0x95f46fff com.apple.vecLib 3.4.2 (vecLib 3.4.2) /System/Library/Frameworks/vecLib.framework/Versions/A/vecLib
0x95f47000 - 0x95fa8fff com.apple.CoreText 2.0.4 (?) <ebcc2c7e9b0bc10016af530d82a11f03>
/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/CoreText.framework/Versions/A/CoreText
0x9619b000 - 0x961a8fff libCSync.A.dylib ? (?) <e059e4b9b326653e481a389fe8af10de>
/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/CoreGraphics.framework/Versions/A/Resources/libCSync
/libCSync.A.dylib
0x961a9000 - 0x962cefff com.apple.CoreFoundation 6.5.7 (476.19) <dee0f0024f3bf976cfa0a0816e8aa338>
/System/Library/Frameworks/CoreFoundation.framework/Versions/A/CoreFoundation
0x962cf000 - 0x962daff9 com.apple.helpdata 1.0.1 (14.2)
/System/Library/PrivateFrameworks/HelpData.framework/Versions/A/HelpData
0x962db000 - 0x9647bff3 libSystem.B.dylib ? (?) <900415cd2c829b2de9a6cddcaa6307e3> /usr/lib/libSystem.B.dylib
0x96482000 - 0x9656cfff libxml2.2.dylib ? (?) <e9f58824c545bfeb50d89dbfa4d336a1> /usr/lib/libxml2.2.dylib
0x9656d000 - 0x96ae9fff com.apple.CoreGraphics 1.409.3 (?) <42ab271a33fb5cfb6f07e4dff8a5ca76>
/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/CoreGraphics.framework/Versions/A/CoreGraphics
ics
0x96aea000 - 0x97260fff com.apple.AppKit 6.5.9 (949.54) <687f1742c249d7c9268e2eb57713cef6>
/System/Library/Frameworks/AppKit.framework/Versions/C/AppKit
0x97268000 - 0x972f0fff com.apple.ink.framework 101.3 (86) <66a99ad6bc695390a66dd24789e23dcc>
/System/Library/Frameworks/Carbon.framework/Versions/A/Frameworks/Ink.framework/Versions/A/Ink
0xffffec000 - 0xffffeffff libobjc.A.dylib ? (?) /usr/lib/libobjc.A.dylib
0xffff8000 - 0xffff9703 libSystem.B.dylib ? (???) /usr/lib/libSystem.B.dylib
```

History

#1 - 2009-08-10 08:46 pm - Nils Peters

we have a couple of G5 computers here at Music Tech. I could check later today.
to have a testpatch that we all use would be good.

#2 - 2009-08-10 09:25 pm - Nils Peters

- File *crash_with_bigJamomaPatch.rtf* added
- File *crash_with_degradeMaxhelp.rtf* added
- File *crash_with_delay_Maxhelp.rtf* added

Hi I just installed max5 on a G5 and Jamoma from the installer.
I got very quickly the following crashes, see attached files.

#3 - 2009-08-10 09:26 pm - Nils Peters

- File *deleted (crash_with_bigJamomaPatch.rtf)*

#4 - 2009-08-10 09:26 pm - Nils Peters

- File *deleted (crash_with_degradeMaxhelp.rtf)*

#5 - 2009-08-10 09:26 pm - Nils Peters

- File deleted (*crash_with_delay_Maxhelp.rtf*)

#6 - 2009-08-14 02:49 pm - Nils Peters

maybe we should be honest and just skip PPC support.

Whit Snow Leopard coming up, it will be even more more tempting to skip it, because this OS will be Intel-only.

#7 - 2009-09-09 08:46 pm - Tim Place

- Assignee set to *Tim Place*

I have found PPC with OS 10.4.11 on it that I didn't realize was available. I'm looking into this now.

#8 - 2009-09-09 09:16 pm - Tim Place

- Status changed from *New* to *Closed*

This appears to be a bug in Max which is not going to be addressed. So I think PPC support is essentially dead.

Files

<i>crash_with_bigJamomaPatch.rtf</i>	42.9 KB	2009-08-10	Nils Peters
<i>crash_with_degradeMaxhelp.rtf</i>	39.7 KB	2009-08-10	Nils Peters
<i>crash_with_delay_Maxhelp.rtf</i>	37.9 KB	2009-08-10	Nils Peters