
Subject: : AmigaOS4

Topic: : Porting to AmigaOS4 thread

Re: Porting to AmigaOS4 thread

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URL:

@all

Ok, please help, another one of those darn shared objects bugs i don't know how to deal with...

I get this on starting the app, no window/screen is ever opened, it seems it's crashing while reading in the plugins (again), but this time it's libstdc++ which is complaining

Crash log for task "scummvm"

Generated by GrimReaper 53.19

Crash occurred in module libstdc++.so at address 0x7EA176A0

Type of crash: DSI (Data Storage Interrupt) exception

Alert number: 0x80000003

Register dump:

GPR (General Purpose Registers):

```
0: 00000000 5CA7BD10 5F726561 4DFB9F8C FFFFFFFF 5C9ABC28 4DF8A470 5C9AC3F4
8: 4DF8A470 00000008 00000000 4DF901C0 28842824 4DFC1E6C 00000000 4EA30680
16: 7EE2E10C 00000000 4E047C40 5C9A8580 02B30000 02B30000 00000000 00000001
24: 6FF8C180 5C9AC3F4 FFFFFFFF 4DF8A470 5C9ABC28 00000001 4DFB1DD8 4DF901D8
```

FPR (Floating Point Registers, NaN = Not a Number):

```
0:      nan   2.29025e-303   3.35397e-308   1.188e-302
4:  1.62719e-302  2.19876e-303  2.47325e-303  2.83923e-303
8:  2.38175e-303           1           64   4.5036e+15
12:  2.14748e+09  2.14748e+09           0           0
16:           0           0           0           0
20:           0           0           0           0
24:           0           0           0           0
28:           0           0           0.1   4.5036e+15
```

FPSCR (Floating Point Status and Control Register): 0x82020000

SPRs (Special Purpose Registers):

Machine State (msr) : 0x0000B030

Condition (cr) : 0x4DA55C34

Instruction Pointer (ip) : 0x7EA176A0
Xtended Exception (xer) : 0x5BFB4018
Count (ctr) : 0x6FF494D0
Link (lr) : 0x7FB11920
DSI Status (dsisr) : 0x5BFB3DD0
Data Address (dar) : 0x021AD048

680x0 emulated registers:

DATA: 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
ADDR: 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
FPU0: 0 0 0 0
FPU4: 0 0 0 0

Symbol info:

Instruction pointer 0x7EA176A0 belongs to module "libstdc++.so" (PowerPC)

Symbol:

_ZNK10__cxxabiv121__vmi_class_type_info20__do_find_public_srcEiPKvPKNS_17__class_type_infoES2_ +
0xC0 in section 10 offset 0x000768D8

Stack trace:

Development:Coding/Ports/VM/scummvm-test/sobjs/libstdc++.so:
_ZNK10__cxxabiv121__vmi_class_type_info20__do_find_public_srcEiPKvPKNS_17__class_type_infoES2_()+
0xc0 (section 10 @ 0x768D8)
Development:Coding/Ports/VM/scummvm-test/sobjs/libstdc++.so: __dynamic_cast()+0x170 (section 10 @
0x772B4)
[backends/platform/sdl/sdl.cpp:294] scummvm: _ZN11OSystem_SDL11initBackendEv()+0x504 (section 11
@ 0x283C)
[base/main.cpp:469] scummvm: scummvm_main()+0x788 (section 11 @ 0x9B74)
[backends/platform/sdl/amigaos/amigaos-main.cpp:79] scummvm: main()+0x264 (section 11 @ 0x79F4)
native kernel module newlib.library.kmod+0x000020a4
native kernel module newlib.library.kmod+0x00002d0c
native kernel module newlib.library.kmod+0x00002ee8
scummvm: _start()+0x170 (section 11 @ 0x1AB8)
native kernel module dos.library.kmod+0x000255c8
native kernel module kernel+0x000420ac
native kernel module kernel+0x000420f4

PPC disassembly:

```
7ea17698: 7cbc0214 add      r5,r28,r0
7ea1769c: 81230000 lwz     r9,0(r3)
*7ea176a0: 81290020 lwz     r9,32(r9)
7ea176a4: 7d2903a6 mtctr   r9
7ea176a8: 4e800421 bctrl
```

System information:

CPU

Model: P.A. Semi PWRficient PA6T-1682M VB1

CPU speed: 1800 MHz

FSB speed: 900 MHz

Extensions: altivec

Machine

Machine name: AmigaOne X1000

Memory: 2097152 KB

Extensions: bus.pci bus.pcie