

Re: Gateway ALR 9200

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/arch/2005-06/0142.html>

From: John Baldwin (*jhb_at_FreeBSD.org*)

Date: 06/27/05

To: freebsd-arch@freebsd.org

Date: Mon, 27 Jun 2005 10:54:30 -0400

On Sunday 26 June 2005 02:33 pm, Brian Duke wrote:

```
> /boot/kernel/acpi.ko text=0x3fbfc data=0x1c04+0x112c
> syms=[0x4+0x72f0+0x4+0x97c7]
>
> /
>
> int=0000000d err=00000000 efl=00030002 eip=00005755
>
> eax=00000001 ebx=00000008 ecx=000039ff edx=00000082
>
> esi=0000579c edi=0000e873 edi=000003ba esp=0000037e
>
> cs=f000 ds=0040 es=f000 fs=9dc0 gs=f000 ss=9c46
>
> cs:eip=2e 0f 01 14 0f 20 c0 0c-01 0f 22 c0 eb 00 8e db
>
> 8e c3 8e e3 8e eb 0f 20-c0 24 fc 0f 22 c0 ea 78
>
> ss:esp=11 64 08 00 01 00 00 00-00 f0 c0 9d 02 02 51 e8
>
> 05 00 c2 ee 05 00 00 f0-00 00 1a 7d c4 5e dd e6
>
> BTX Halted
```

Int 0d is a general protection fault.

```
00000000 2E0F0114 lgdt [cs:si]
00000004 0F20C0 mov eax,cr0
00000007 0C01 or al,0x1
00000009 0F22C0 mov cr0,eax
0000000C EB00 jmp short 0xe
0000000E 8EDB mov ds,bx
00000010 8EC3 mov es,bx
00000012 8EE3 mov fs,bx
00000014 8EEB mov gs,bx
00000016 0F20C0 mov eax,cr0
00000019 24FC and al,0xfc
```

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```
0000001B 0F22C0 mov cr0,eax
0000001E EA db 0xEA
0000001F 78 db 0x78
```

Your BIOS is misbehaving such that it isn't going to work well with FreeBSD.
Try changing the BIOS to not use DMA with the IDE hard drives and see if that gets farther.

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