

Re: bigdisk and scsi_da

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2006-12/msg00517.html>

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 - *Date:* Wed, 20 Dec 2006 20:33:44 +0800
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On 12/20/06, Matthew Jacob <lydianconcepts@xxxxxxxx> wrote:

> XPT_CALC_GEOMETRY is failing when the disk is being probed. This
> is likely a problem with the MPT driver.

```
static void
mpt_calc_geometry(struct ccb_calc_geometry *cpg, int extended)
{
    #if __FreeBSD_version >= 500000
        cam_calc_geometry(cpg, extended);
    #else
```

For other purpose, I compiled ddb. I got:

```
da1 at mpt0 bus 0 target 0 lun 0
da1: <SILVER TN-6212S-U4D 347G> Fixed Direct Access SCSI-5 device
da1: 320.000MB/s transfers (160.000MHz, offset 127, 16bit), Tagged Queueing Enabled
da1: 0MB (9261518235570798593 0 byte sectors: 0H 0S/T 0C)
SMP: AP CPU #1 Launched!
```

```
Fatal trap 18: integer divide fault while in kernel mode
cpuid = 0; apic id = 03
instruction pointer = 0x20:0xc06a8d7b
stack pointer = 0x28:0xe32498a4
frame pointer = 0x28:0xe3249928
code segment = base 0x0, limit 0xffff, type 0x1b
= DPL 0, pres 1, def32 1, gran 1
processor eflags = interrupt enabled, resume, IOPL = 0
current process = 2 (g_event)
[thread pid 2 tid 100001 ]
Stopped at __qdivrem+0x3b: divl %ecx,%eax
db> bt
Tracing pid 2 tid 100001 td 0xc46f2d80
__qdivrem(201,ffffffff,0,0,0,...) at __qdivrem+0x3b
__udivdi3(201,ffffffff,0,0,c483f000,...) at __udivdi3+0x2e
```

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```
cam_calc_geometry(e3249a00,1,e32499b8,c04d2561,e3249a00,...) at
cam_calc_geometry+0x35
mpt_calc_geometry(e3249a00,1,47258f,c46f12c0,c46f1218,...) at
mpt_calc_geometry+0x18
mpt_action(c482c1c0,e3249a00,69aceab3,7c791ba0,1,...) at mpt_action+0x551
xpt_action(e3249a00,c48578b0,1,1,1d,...) at xpt_action+0x2db
dasetgeom(c49ab000,10000000,200,ffffff,c49b80f0,...) at dasetgeom+0x80
dagetcapacity(c49ab000,14c,0,e3249ab0,e3249b08,...) at dagetcapacity+0x342
daopen(c49ab180,c06cf87d,c49ab0d8,1,0,...) at daopen+0x7e
g_disk_access(c49ab080,1,0,0,0,...) at g_disk_access+0x11d
g_access(c4851a80,1,0,0,e3249c48,...) at g_access+0x16b
g_slice_new(c06f9bc0,80,c49ab080,e3249c44,e3249c48,...) at g_slice_new+0xc0
g_gpt_taste(c06f9bc0,c49ab080,0,c49ab280,4,...) at g_gpt_taste+0x64
g_new_provider_event(c49ab080,0,0,4c,c06c5175,...) at g_new_provider_event+0x7a
one_event(66666667,c46f2d80,0,e3249d00,c04f8f15,...) at one_event+0x23c
g_run_events(c071f65c,0,4c,c06c5175,64,...) at g_run_events+0x15
g_event_procbody(0,e3249d38,0,0,0,...) at g_event_procbody+0xb5
fork_exit(c04f8e60,0,e3249d38) at fork_exit+0x80
fork_trampoline() at fork_trampoline+0x8
--- trap 0x1, eip = 0, esp = 0xe3249d6c, ebp = 0 ---
```

This is the best I can got. Since no dumpdev is defined at this point.

Rong-En Fan

freebsd-current@xxxxxxxxxxx mailing list

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