

Re: k 2.6.9: ub module causes /dev/sda and /dev/sda1 not being created

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-10/10371.html>

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Date: 10/31/04

To: Pete Zaitcev <zaitcev@redhat.com>

Date: Sun, 31 Oct 2004 23:10:43 +0100

Alle 18:15, sabato 30 ottobre 2004, Pete Zaitcev ha scritto:

> On Sat, 30 Oct 2004 03:19:41 +0100, Paulo da Silva <psdasilva@esoterica.pt> wrote:

> > *I had problems with my pen drive.*

> > *Module ub (autolodaded) recognized the pendrive. So /dev/sda*

> > *and /dev/sda1 didn't get created. After removing ub module*

> > *from kernel config I could mount the pen drive as /dev/sda1.*

>

> *This is intentional. The ub takes over certain functions of usb-storage*

> *when it is configured in. Is it a problem? If yes, why?*

Maybe this is not a problem, but it's supposed that a /dev/uba1 is created, after /dev/uba, instead of sdaX? well, on my system uba is created but not /dev/uba1, and I've reported below a syslog excerpt for usb flash pendrive; after that is still possible to mknod a uba1 device, and access the pendrive, but after the pendrive is removed I get an oops and then usb layer stops to work.

Insertion:

(linux 2.6.10-rc1-mm1, but seen also in 2.6.9-mm1 and 2.6.9-rc4-mm1)

Oct 28 00:32:22 kefk kernel: ehci_hcd 0000:00:1d.7: GetStatus port 3 status 001803 POWER sig=j CSC CONNECT

Oct 28 00:32:22 kefk kernel: hub 5-0:1.0: port 3, status 0501, change 0001, 480 Mb/s

Oct 28 00:32:22 kefk kernel: hub 5-0:1.0: debounce: port 3: total 100ms stable 100ms status 0x501

Oct 28 00:32:22 kefk kernel: ehci_hcd 0000:00:1d.7: port 3 high speed

Oct 28 00:32:22 kefk kernel: ehci_hcd 0000:00:1d.7: GetStatus port 3 status 001005 POWER sig=se0 PE CONNECT

Oct 28 00:32:22 kefk kernel: usb 5-3: new high speed USB device using ehci_hcd and address 4

Oct 28 00:32:22 kefk kernel: ehci_hcd 0000:00:1d.7: port 3 high speed

Oct 28 00:32:22 kefk kernel: ehci_hcd 0000:00:1d.7: GetStatus port 3 status 001005 POWER sig=se0 PE CONNECT

Linux-Kernel: Re: k 2.6.9: ub module causes /dev/sda and /dev/sda1 not being created

```
Oct 28 00:32:22 kefk kernel: usb 5-3: ep0 maxpacket = 64
Oct 28 00:32:22 kefk kernel: usb 5-3: new device strings: Mfr=1, Product=2,
SerialNumber=3
Oct 28 00:32:22 kefk kernel: usb 5-3: default language 0x0409
Oct 28 00:32:22 kefk kernel: usb 5-3: Product: Mass storage
Oct 28 00:32:22 kefk kernel: usb 5-3: Manufacturer: USB
Oct 28 00:32:22 kefk kernel: usb 5-3: SerialNumber: 142E19413C2FCA34
Oct 28 00:32:22 kefk kernel: usb 5-3: hotplug
Oct 28 00:32:22 kefk kernel: usb 5-3: adding 5-3:1.0 (config #1, interface 0)
Oct 28 00:32:22 kefk kernel: usb 5-3:1.0: hotplug
Oct 28 00:32:22 kefk kernel: ub: sizeof ub_scsi_cmd 64 ub_dev 964
Oct 28 00:32:22 kefk kernel: ub 5-3:1.0: usb_probe_interface
Oct 28 00:32:22 kefk kernel: ub 5-3:1.0: usb_probe_interface - got id
Oct 28 00:32:22 kefk kernel: uba: device 4 capacity nsec 50 bsize 512
Oct 28 00:32:22 kefk kernel: uba: made changed
Oct 28 00:32:22 kefk kernel: uba: device 4 capacity nsec 1024000 bsize 512
Oct 28 00:32:22 kefk kernel: uba: device 4 capacity nsec 1024000 bsize 512
Oct 28 00:32:22 kefk kernel: uba: uba1
Oct 28 00:32:22 kefk kernel: uba: uba1
Oct 28 00:32:22 kefk kernel: kobject_register failed for uba1 (-17)
Oct 28 00:32:22 kefk kernel: [<c01f1fd7>] kobject_register+0x51/0x5f
Oct 28 00:32:22 kefk kernel: [<c0184720>] add_partition+0xbb/0xf0
Oct 28 00:32:22 kefk kernel: [<c0184898>] register_disk+0xee/0x11d
Oct 28 00:32:22 kefk kernel: [<c024ba2e>] add_disk+0x36/0x41
Oct 28 00:32:22 kefk kernel: [<c024b9e4>] exact_match+0x0/0x7
Oct 28 00:32:22 kefk kernel: [<c024b9eb>] exact_lock+0x0/0xd
Oct 28 00:32:22 kefk kernel: [<f8b3ce70>] ub_probe+0x291/0x2f4 [ub]
Oct 28 00:32:22 kefk kernel: [<c02981e6>] usb_probe_interface+0xb8/0xe1
Oct 28 00:32:22 kefk kernel: [<c02435a8>] bus_match+0x32/0x6a
Oct 28 00:32:22 kefk kernel: [<c02436d0>] driver_attach+0x46/0x85
Oct 28 00:32:22 kefk kernel: [<c01f1fa8>] kobject_register+0x22/0x5f
Oct 28 00:32:22 kefk kernel: [<c0243b34>] bus_add_driver+0x91/0xcb
Oct 28 00:32:22 kefk kernel: [<c02982b8>] usb_register+0x49/0x9f
Oct 28 00:32:22 kefk kernel: [<f89ad03f>] ub_init+0x3f/0x5f [ub]
Oct 28 00:32:22 kefk kernel: [<c0131dfb>] sys_init_module+0x160/0x246
Oct 28 00:32:22 kefk kernel: [<c0103d69>] sysenter_past_esp+0x52/0x71
Oct 28 00:32:22 kefk kernel: usbcore: registered new driver ub
```

Removal:

```
Oct 28 00:32:33 kefk kernel: ehci_hcd 0000:00:1d.7: GetStatus port 3 status
001002 POWER sig=se0 CSC
Oct 28 00:32:33 kefk kernel: hub 5-0:1.0: port 3, status 0100, change 0001, 12
Mb/s
Oct 28 00:32:33 kefk kernel: usb 5-3: USB disconnect, address 4
Oct 28 00:32:33 kefk kernel: usb 5-3: usb_disable_device nuking all URBs
Oct 28 00:32:33 kefk kernel: usb 5-3: unregistering interface 5-3:1.0
Oct 28 00:32:33 kefk kernel: Unable to handle kernel NULL pointer dereference
at virtual address 00000050
Oct 28 00:32:33 kefk kernel: printing eip:
Oct 28 00:32:33 kefk kernel: c0186373
```

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```
Oct 28 00:32:33 kefk kernel: *pde = 00000000
Oct 28 00:32:33 kefk kernel: Oops: 0000 [#1]
Oct 28 00:32:33 kefk kernel: PREEMPT SMP
Oct 28 00:32:33 kefk kernel: Modules linked in: ub tun md5 ipv6 rfcomm l2cap
bluetooth snd_seq_oss snd_seq_midi_event snd_seq snd_pcm_oss snd_mixer_oss
snd_emu10k1 snd_rawmidi snd_seq_device snd_ac97_codec snd_pcm snd_timer
snd_page_alloc snd_util_mem snd_hwdep snd soundcore lp ipt_REJECT
iptables_filter ip_tables loop nls_utf8 ide_cd i2c_dev w83781d i2c_sensor
i2c_isa i2c_i801 nvidia isofs zlib_inflate e1000 parport_pc ppa parport usblp
ehci_hcd uhci_hcd genrtc
Oct 28 00:32:33 kefk kernel: CPU: 0
Oct 28 00:32:33 kefk kernel: EIP: 0060:[<c0186373>] Tainted: P VLI
Oct 28 00:32:33 kefk kernel: EFLAGS: 00010246 (2.6.10-rc1-mm1)
Oct 28 00:32:33 kefk kernel: EIP is at sysfs_remove_dir+0x1d/0xef
Oct 28 00:32:33 kefk kernel: eax: f20a2688 ebx: f20a2688 ecx: c18ff480
edx: c1000000
Oct 28 00:32:33 kefk kernel: esi: e65ee800 edi: 00000000 ebp: 00000246
esp: c1bb0e20
Oct 28 00:32:33 kefk kernel: ds: 007b es: 007b ss: 0068
Oct 28 00:32:33 kefk kernel: Process khubd (pid: 125, threadinfo=c1bb0000
task=c198a530)
Oct 28 00:32:33 kefk kernel: Stack: 00000000 f20a2688 e65ee800 00000001
00000246 c01f20e7 f20a2688 c01f20f7
Oct 28 00:32:33 kefk kernel: e5f87480 c0184aa0 00000000 e65ee800
00000000 00000246 f8b3cff1 ec9cea28
Oct 28 00:32:33 kefk kernel: 0000003c 00000003 e5f87394 f66fa02c
e5f87480 e5f87380 f8b3f220 f79b4c00
Oct 28 00:32:33 kefk kernel: Call Trace:
Oct 28 00:32:33 kefk kernel: [<c01f20e7>] kobject_del+0x14/0x1c
Oct 28 00:32:33 kefk kernel: [<c01f20f7>] kobject_unregister+0x8/0x10
Oct 28 00:32:33 kefk kernel: [<c0184aa0>] del_gendisk+0x1d/0xd5
Oct 28 00:32:33 kefk kernel: [<f8b3cff1>] ub_disconnect+0x11e/0x171 [ub]
Oct 28 00:32:33 kefk kernel: [<c029826d>] usb_unbind_interface+0x5e/0x60
Oct 28 00:32:33 kefk kernel: [<c0243765>] device_release_driver+0x56/0x58
Oct 28 00:32:33 kefk kernel: [<c024396b>] bus_remove_device+0x53/0x90
Oct 28 00:32:33 kefk kernel: [<c0242a86>] device_del+0x54/0x91
Oct 28 00:32:33 kefk kernel: [<c02a0007>] usb_disable_device+0xda/0x147
Oct 28 00:32:33 kefk kernel: [<c029aa8a>] usb_disconnect+0xab/0x198
Oct 28 00:32:33 kefk kernel: [<c029bfec>] hub_port_connect_change+0x371/0x4a4
Oct 28 00:32:33 kefk kernel: [<c029c3f3>] hub_events+0x2d4/0x4ac
Oct 28 00:32:33 kefk kernel: [<c029c600>] hub_thread+0x35/0x10e
Oct 28 00:32:33 kefk kernel: [<c0115111>] finish_task_switch+0x3b/0x87
Oct 28 00:32:33 kefk kernel: [<c012d9c1>] autoremove_wake_function+0x0/0x43
Oct 28 00:32:33 kefk kernel: [<c0103c9a>] ret_from_fork+0x6/0x14
Oct 28 00:32:33 kefk kernel: [<c012d9c1>] autoremove_wake_function+0x0/0x43
Oct 28 00:32:33 kefk kernel: [<c029c5cb>] hub_thread+0x0/0x10e
Oct 28 00:32:33 kefk kernel: [<c0102025>] kernel_thread_helper+0x5/0xb
Oct 28 00:32:33 kefk kernel: Code: aa 3e 32 c0 e9 4d ff ff e9 23 ff ff ff
55 57 56 53 83 ec 04 8b 78 30 85 ff 74 0d 8b 07 85 c0 0f 84 ca 00 00 00 f0 ff
0
7 85 ff <8b> 57 50 0f 84 b4 00 00 00 8b 47 10 8d 48 78 f0 ff 48 78 0f 88
```

Linux-Kernel: Re: k 2.6.9: ub module causes /dev/sda and /dev/sda1 not being created

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Old SysOps never die... they simply forget their password.

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