

Re: uhidev(4) update – USB HID driver level for devices with multiple report ids

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Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2007-07/msg01057.html>

- *From:* "Mark Hobden" <markhobden@xxxxxxxxx>
 - *Date:* Sun, 22 Jul 2007 20:11:00 +0100
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On 21/07/07, Vladimir Grebenschikov <vova@xxxxxxx> wrote:

>
> I have uploaded a new patch over the old one. People only need
> this update though if they do not have 'device usb' in their kernel
> config file.
>
> <http://www.terinea.co.uk/~mark/patches/uhidev-7-current-p2.diff>

Hm, a bit better, but ...

If I boot with connect mice and disconnected keyboard – everything goes right.

I can connect keyboard after boot and it works, mice works also.

But If I've boot with connected USB keyboard – system panics:

Fatal trap 12: page fault while in kernel mode

Stopped at usbd_clear_endpoint_stall_async+0xb: movl 0x3(%ebx), %esi

```
db> tr
ehci_waitintr
ehci_device_intr_start
ehci_device_intr_transfer
usbd_start_transfer
bus_dmap_load
usbd_transfer
usbd_open_pipe_intr
uhidev_open
ukbd_enable_intr
ukbd_init
ukbd_attach
device_attach
uhidev_attach
device_attach
usb_new_device
uhub_explore
```

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uhub_explore
usb_attach
ehci_pci_attach
device_attach
bus_generic_attach
...

Sorry, manually retyped back-trace

db> panic
just refuses to write dump.

Side question – what is "right" way to setup dump device for kernel boot ?

http://freebsd-man.page2go2.com/man8/loader_8.html
loader's dumpdev – looks not working.

Hi Vladimir,

Thanks for all the info.

I am having trouble reproducing a panic like this here or finding out how it gets down a path like this. I am wondering if this only occurs on EHCI devices. Hopefully later in the week I will be able to borrow some equipment from work to test with here. But do you have a different keyboard that you could try out booting on the UHCI controller? If that works OK it should show me where to look.

I'm afraid I don't know about setting dump devices before booting as in the past I have always triggered them by attaching hardware after the system is booted. <:-|

The other problem for you would be that because all the usb modules are loaded as modules you need to load them individually into kgdb with their start address as described in the link below:

<http://www.freebsd.org/doc/en/books/developers-handbook/kerneldebug-kld.html>

Which wouldn't be fun as each time you want to load kgdb you have to do this for usb, uhid and ukbd. I find it easier to just compile them into the kernel.

Kind Regards,

Mark

freebsd-current@xxxxxxxxxxxxx mailing list

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