

Re: [HEADSUP] naming of tty devices.

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Date: 09/21/04

To: Alexey Dokuchaev <danfe@nsu.ru>
Date: Tue, 21 Sep 2004 12:51:04 +0200

In message <20040921104246.GA75823@regency.nsu.ru>, Alexey Dokuchaev writes:

> On Mon, Sep 20, 2004 at 09:38:45AM +0200, Poul-Henning Kamp wrote:

>>

>> My suggestion is the following:

>>

>> All drivers will offer "tty\${something}" devices, and
>> generally \${something} will consist of a letter followed
>> by a number, possibly in base 36 ([0-9a-z]).

>>

>> All drivers which attach to external equipment via a serial
>> connector should also offer "cua\${thesomething}". "Embedded"
>> serial ports, pseudo drivers etc, do not have to offer the
>> "cua" if DCD state on open is not an issue.

>>

>> The init and lock devices will be called \${base_device}.[init,lock]
>> and they will possibly be provided by on-demand devices so that
>> they do not clutter up /dev.

>

> What about contracting '.init/lock' to just 'i/l', like we have with all
> (most) other device names out there (i.e., acd0t0, not acd0track0) -- long
> device names is a thing to avoid, IMHO.

The problem with just a 'i' or 'l' is that it creates confusion as to what is the device name and what is the extension. I like the concept of a big fat '.' in there to tell the extension apart. Shortening the extension from "init" to "i" and "lock" to "l" would be confusing at best, and of little real saving in practice.

My plan is for the ".init" and ".lock" devices to be "on-demand", in other words, they won't show up until first time you try to access them.

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FreeBSD committer | BSD since 4.3-tahoe
Never attribute to malice what can adequately be explained by incompetence.

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