

Re: [HEADSUP] naming of tty devices.

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/arch/2004-09/0160.html>

From: Alexey Dokuchaev (*danfe_at_nsu.ru*)

Date: 09/21/04

Date: Tue, 21 Sep 2004 17:58:39 +0700
To: Poul-Henning Kamp <phk@phk.freebsd.dk>

On Tue, Sep 21, 2004 at 12:51:04PM +0200, Poul-Henning Kamp wrote:

> 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.

Sounds fair enough.

Thanks!

./danfe

freebsd-arch: Re: [HEADSUP] naming of tty devices.

freebsd-arch@freebsd.org mailing list

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