

Re: pfctl

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/hackers/2006-11/msg00245.html>

- *From:* Vasil Dimov <vd@xxxxxxxxxxx>
 - *Date:* Mon, 27 Nov 2006 14:50:22 +0200
-

On Mon, Nov 27, 2006 at 06:03:25PM +0800, Earl Lopus wrote:

hi,

I was browsing through some code and stumbled upon this:

```
...
if ((opts->rtsc_m1 < opts->rtsc_m2 && opts->rtsc_m1 != 0) ||
    (opts->rtsc_m1 < opts->rtsc_m2 && opts->rtsc_m1 != 0) ||
    (opts->rtsc_m1 < opts->rtsc_m2 && opts->rtsc_m1 != 0)) {
    warnx("m1 must be zero for convex curve: %s", pa->qname);
    return (-1);
}
...
```

would it be safe to change it to:

```
...
if (opts->rtsc_m1 < opts->rtsc_m2 && opts->rtsc_m1 != 0) {
    warnx("m1 must be zero for convex curve: %s", pa->qname);
    return (-1);
}
...
```

–OR– is there something between those lines that I'm missing.

The piece of code that I'm referring to is found in
/usr/src/contrib/pf/pfctl/pfctl_altq.c

```
/usr/src/contrib/pf/pfctl/pfctl_altq.c
$OpenBSD: pfctl_altq.c,v 1.86 2005/02/28 14:04:51 henning Exp $
$FreeBSD: src/contrib/pf/pfctl/pfctl_altq.c,v 1.7 2005/05/03 16:55:20 mlaier Exp $
```

```
704 if ((opts->rtsc_m1 > 0 && opts->rtsc_m2 == 0) ||
705     (opts->lssc_m1 > 0 && opts->lssc_m2 == 0) ||
706     (opts->ulsc_m1 > 0 && opts->ulsc_m2 == 0)) {
707     warnx("m2 is zero for %s", pa->qname);
708     return (-1);
```

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```
709 }
710
711 if ((opts->rtsc_m1 < opts->rtsc_m2 && opts->rtsc_m1 != 0) ||
712 (opts->rtsc_m1 < opts->rtsc_m2 && opts->rtsc_m1 != 0) ||
713 (opts->rtsc_m1 < opts->rtsc_m2 && opts->rtsc_m1 != 0)) {
714 warnx("m1 must be zero for convex curve: %s", pa->qname);
715 return (-1);
716 }
```

Seems like a bug to me. Maybe rtsc should be changed to lssc and ulsc respectively on 712 and 713 line.

--

Vasil Dimov
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%

I used to think that the brain was the most wonderful organ in my body. Then I realized who was telling me this.

-- Emo Phillips

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