

2.6.0-test5-mm2: dgap driver looks ugly

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-09/4555.html>

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Date: 09/16/03

Date: Tue, 16 Sep 2003 00:08:29 +0200
To: Andrew Morton <akpm@osdl.org>, Scott_Kilau@digil.com

On Sun, Sep 14, 2003 at 11:48:43PM -0700, Andrew Morton wrote:

>...
> *Changes since 2.6.0-test5-mm1:*
>...
> +*dgap.patch*
>
> *Digi Acceleport driver*
>...

This driver seems to need a serious cleanup.

The patch below does:

- remove MIN/MAN
- remove (unused) userspace program/conf file locations
- remove a check that compares an ushort with a value it never has on Linux

There seem to be more cleanups needed, these should only be some examples.

cu
Adrian

```
--- linux-2.6.0-test5-mm2-no-smp/drivers/char/digi/dgap/dgap_driver.h.old 2003-09-15
17:52:47.000000000 +0200
+++ linux-2.6.0-test5-mm2-no-smp/drivers/char/digi/dgap/dgap_driver.h 2003-09-15
23:57:28.000000000 +0200
@@ -215,7 +215,6 @@
#define MYFLIPLLEN N_TTY_BUF_SIZE

#define SBREAK_TIME 0x25
-#define USHRT_MAX 65535
#define U2BSIZE 0x400
#define dgap_jiffies_from_ms(a) (((a) * HZ) / 1000)

@@ -231,10 +230,6 @@
# define DIGI_DGAP_MAJOR 22
```

```

#endif

-/* The default location of the config script. */
-#define DGAP_CONFIG_PROGRAM "/usr/sbin/dgap_config"
-#define DGAP_CONFIG_FILE "/etc/dgap.conf"
-
-/*
- * The parameters we use to define the periods of the moving averages.
- */
@@ -274,20 +269,6 @@
#endif

-/*
- * Only define these in case they are not present in the kernel headers.
- * A grep of /usr/src/linux-<version>/include/linux
- * show others worry about this as well.
- */
-#if !defined(MIN)
-# define MIN(a,b) ((a) < (b) ? (a) : (b))
-#endif
-
-#if !defined(MAX)
-# define MAX(a,b) ((a) > (b) ? (a) : (b))
-#endif
-
-/*
- * All the possible states the driver can be while being loaded.
- */
enum {
--- linux-2.6.0-test5-mm2-no-smp/drivers/char/digi/dgap/dgap_tty.c.old 2003-09-15
23:47:21.000000000 +0200
+++ linux-2.6.0-test5-mm2-no-smp/drivers/char/digi/dgap/dgap_tty.c 2003-09-15 23:50:54.000000000
+0200
@@ -1278,8 +1278,8 @@
        flip_len = TTY_FLIPBUF_SIZE - tp->flip.count;
    }

- len = MIN(data_len, flip_len);
- len = MIN(len, (N_TTY_BUF_SIZE - 1) - tp->read_cnt);
+ len = min(data_len, flip_len);
+ len = min(len, (N_TTY_BUF_SIZE - 1) - tp->read_cnt);

    if (len <= 0) {
        writeb(1, &(bs->idata));
@@ -1315,7 +1315,7 @@
        while (n) {

            s = ((head >= tail) ? head : ch->ch_rsize) - tail;
- s = MIN(s, n);
+ s = min(s, n);

```

```
        if (s <= 0)
            break;
@@ -2513,7 +2513,7 @@
        cps_limit = 0;
    }

- bytes_available = MIN(cps_limit, bytes_available);
+ bytes_available = min(cps_limit, bytes_available);
    }

    return (bytes_available);
@@ -2705,7 +2705,7 @@
    * Take minimum of what the user wants to send, and the
    * space available in the FEP buffer.
    */
- count = MIN(count, bufcount);
+ count = min(count, bufcount);

    /*
    * Bail if no space left.
@@ -2743,7 +2743,7 @@
        goto out;
    }

- count = MIN(count, WRITEBUFLLEN);
+ count = min(count, WRITEBUFLLEN);

    /*
    * copy_from_user() returns the number
@@ -3230,9 +3230,6 @@
    if (ch->ch_digi.digi_bufsize < 10)
        ch->ch_digi.digi_bufsize = 10;

- if (ch->ch_digi.digi_bufsize > 100000)
- ch->ch_digi.digi_bufsize = MIN(100000, USHRT_MAX);
-
    if (ch->ch_digi.digi_maxchar < 1)
        ch->ch_digi.digi_maxchar = 1;
-

```

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