

Re: [PATCH][2.6][2/14] documentation update

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-09/5877.html>

From: Michael Hunold (hunold_at_linuxtv.org)

Date: 09/17/04

Date: Fri, 17 Sep 2004 16:24:25 +0200
To: Linus Torvalds <torvalds@osdl.org>

- [DVB] add udev.txt which describes how to use dvb and udev/sysfs
- [DVB] add Visionplus VisionDTV USB-Ter DVB-T adapter documentation
- [DVB] update TT USB DEC documentation
- [DVB] update various Kconfig entries

Signed-off-by: Michael Hunold <hunold@linuxtv.org>

```
#diff -uraNwB xx-linux-2.6.8.1/Documentation/dvb/cards.txt
```

```
linux-2.6.8.1-patched/Documentation/dvb/cards.txt
```

```
--- xx-linux-2.6.8.1/Documentation/dvb/cards.txt 2004-07-19 19:40:45.000000000 +0200
```

```
+++ linux-2.6.8.1-patched/Documentation/dvb/cards.txt 2004-06-21 00:53:32.000000000 +0200
```

```
@@ -49,7 +49,7 @@
```

- "budget" cards (i.e. without hardware MPEG decoder):
 - Technotrend Budget / Hauppauge WinTV-Nova PCI Cards
 - SATELCO Multimedia PCI
- KNC1 DVB-S
- + KNC1 DVB-S, Typhoon DVB-S, Terratec Cinergy 1200 DVB-S (no CI support)
 - Typhoon DVB-S budget
 - Fujitsu-Siemens Activy DVB-S budget card

```
diff -uraNwB xx-linux-2.6.8.1/Documentation/dvb/contributors.txt
```

```
linux-2.6.8.1-patched/Documentation/dvb/contributors.txt
```

```
--- xx-linux-2.6.8.1/Documentation/dvb/contributors.txt 2004-07-19 19:40:45.000000000 +0200
```

```
+++ linux-2.6.8.1-patched/Documentation/dvb/contributors.txt 2004-05-02 18:30:56.000000000 +0200
```

```
@@ -69,6 +69,8 @@
```

```
Kenneth Aafløy <ke-aa@frisurf.no>
```

```
for adding support for Typhoon DVB-S budget card
```

```
+Ernst Peinlich <e.peinlich@inode.at>
```

```
+ for tuning/DiSEqC support for the DEC 3000-s
```

(If you think you should be in this list, but you are not, drop a line to the DVB mailing list)

Linux-Kernel: Re: [PATCH][2.6][2/14] documentation update

```
diff -uraNwB xx-linux-2.6.8.1/Documentation/dvb/firmware.txt
linux-2.6.8.1-patched/Documentation/dvb/firmware.txt
--- xx-linux-2.6.8.1/Documentation/dvb/firmware.txt 2004-08-23 09:34:29.000000000 +0200
+++ linux-2.6.8.1-patched/Documentation/dvb/firmware.txt 2004-07-20 22:52:19.000000000 +0200
@@ -2,7 +2,7 @@
binary-only firmware.
```

The DVB drivers will be converted to use the request_firmware()
-hotplug interface (see Documentation/firmware_class/).
+hotplug interface (see linux/Documentation/firmware_class/).
(CONFIG_FW_LOADER)

The firmware can be loaded automatically via the hotplug manager
@@ -12,18 +12,45 @@
to load their firmwares, so here's just a short list of the
current state:

```
-- dvb-ttpci: driver uses firmw
+
+ Bernd Wagner for helping with huge bug reports and discussions.
+
+ Some guys on the linux-dvb mailing list for encouraging me
+
+ Peter Schildmann >peter.schildmann-nospam-at-web.de< for his
+ user-level firmware loader, which saves a lot of time
+ (when writing the vp7041 driver)
+
+ Ulf Hermenau for helping me out with traditional chinese.
```

```
+
+ André Smoktun and Christian Frömmel for supporting me with
+ hardware and listening to my problems very patient
diff -uraNwB linux-2.6.8.1-dvb1/Documentation/dvb/readme.txt
linux-2.6.8.1-patched/Documentation/dvb/readme.txt
```

```
--- linux-2.6.8.1-dvb1/Documentation/dvb/readme.txt 2004-09-17 12:27:25.000000000 +0200
+++ linux-2.6.8.1-patched/Documentation/dvb/readme.txt 2004-09-01 12:19:00.000000000 +0200
@@ -28,9 +28,9 @@
"faq.txt"
```

contains frequently asked questions and their answers.

```
-"firmware.txt"
-contains informations for required external firmware
-files and where to get them.
+"get_dvb_firmware"
+script to download and extract firmware for those devices
+that require it.
```

```
"ttusb-dec.txt"
contains detailed informations about the
diff -uraNwB linux-2.6.8.1-dvb1/Documentation/dvb/ttusb-dec.txt
linux-2.6.8.1-patched/Documentation/dvb/ttusb-dec.txt
--- linux-2.6.8.1-dvb1/Documentation/dvb/ttusb-dec.txt 2004-09-17 12:27:25.000000000 +0200
```

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+++ linux-2.6.8.1-patched/Documentation/dvb/ttusb-dec.txt 2004-09-01 12:19:00.000000000 +0200
@@ -23,34 +23,17 @@

Getting the Firmware

-The firmware can be found in the software update zip files on this page:

-http://www.hauppage.de/sw_dec.htm

-

-The firmwares are named as follows:

-DEC2000-t: STB_PC_T.bin

-DEC2540-t: STB_PC_X.bin

-DEC3000-s: STB_PC_S.bin

-

-Note that firmwares since version 2.16 beta2 for the DEC2000-t give the device

-the USB ID of the DEC3000-s. The driver copes with this.

-

-Instructions follow for retrieving version 2.16 of the firmware:

-

-wget <http://hauppage.lightpath.net/de/dec216.exe>

-unzip -j dec216.exe software/OEM/STB/App/Boot/STB_PC_T.bin

-unzip -j dec216.exe software/OEM/STB/App/Boot/STB_PC_X.bin

-unzip -j dec216.exe software/OEM/STB/App/Boot/STB_PC_S.bin

+To download the firmware, use the following commands:

+"get_dvb_firmware dec2000t"

+"get_dvb_firmware dec2540t"

+"get_dvb_firmware dec3000s"

Compilation Notes for 2.4 kernels

For 2.4 kernels the firmware for the DECs is compiled into the driver itself.

-The firmwares are expected to be in the build-2.4 directory at compilation

-time.

-mv STB_PC_T.bin build-2.4/dvb-ttusb-dec-2000t.fw

-mv STB_PC_X.bin build-2.4/dvb-ttusb-dec-2540t.fw

-mv STB_PC_S.bin build-2.4/dvb-ttusb-dec-3000s.fw

+Copy the three files downloaded above into the build-2.4 directory.

Hotplug Firmware Loading for 2.6 kernels

@@ -58,6 +41,4 @@

For 2.6 kernels the firmware is loaded at the point that the driver module is loaded. See linux/Documentation/dvb/firmware.txt for more information.

-mv STB_PC_T.bin /usr/lib/hotplug/firmware/dvb-ttusb-dec-2000t.fw

-mv STB_PC_X.bin /usr/lib/hotplug/firmware/dvb-ttusb-dec-2540t.fw

-mv STB_PC_S.bin /usr/lib/hotplug/firmware/dvb-ttusb-dec-3000s.fw

+Copy the three files downloaded above into the /usr/lib/hotplug/firmware directory.

diff -uraNwB linux-2.6.8.1-dvb1/drivers/media/dvb/Kconfig

linux-2.6.8.1-patched/drivers/media/dvb/Kconfig

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--- linux-2.6.8.1-dvb1/d