

BCM35560020
0HA3
COPY CODE
567

BCM93556C0 CFE v2.43, CFE core v2.12, Endian Mode: Little
Build Date: Wed Jan 18 13:21:43 GTBST 2012 (Alihand@VEMRKD12501)
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VSTL CFE Version v7
Total memory: 512MB

Initializing USB.
USB: Locating Class 09 Vendor 0000 Product 0000: USB Hub

CFE initialized.
Starting splash screen.

Executing automatic system init:
- <waitusb -t=0 -d='USB Disk' && batch usbdisk0:sysinit.txt>
USB: New device connected to bus 0 hub 1 port 2#[J
USB: Resetting device on bus 0 port 2#[J
USB: Locating Class 08 Vendor 05DC Product A400: Mass-Storage Device
USBMASS: Unit 0 connected#[J
Loader:raw Filesys:fat Dev:usbdisk0 File:sysinit.txt Options:(null)
Loading: .. 507 bytes read
Loader:elf Filesys:fat Dev:usbdisk0 File:vmlinuz-initrd-VSTL Options:mem=128M
Loading: 0x80001000/6206404 0x805ec3c4/183376 Entry address is 0x80332000
TP1 Entry Address at 0x80000ffc = 80332000
Starting program at 0x80332000

<5>Linux version 2.6.18-7.1 (root@fedora-13) (gcc version 4.2.0 20070124
(prerelease) - BRCM 11ts-20090508) #51 SMP Fri Sep 30 11:34:53 EEST 2011
Fetching vars from bootloader... OK (E,D,B,C)
g_board_RAM_size=512MB
Options: sata=0 enet=1 emac_1=0 no_mdio=0 docsis=0 ebi_war=0 pci=0 smp=1
CPU revision is: 0002a044
FPU revision is: 00130001
Primary instruction cache 32kB, physically tagged, 2-way, linesize 64 bytes.
Primary data cache 64kB, 4-way, linesize 64 bytes.
<6>Synthesized TLB refill handler (23 instructions).
<6>Synthesized TLB load handler fastpath (37 instructions).
<6>Synthesized TLB store handler fastpath (37 instructions).
<6>Synthesized TLB modify handler fastpath (36 instructions).
Determined physical RAM map:
memory: 10000000 @ 00000000 (usable)
memory: 10000000 @ 20000000 (usable)
User-defined physical RAM map:
node [00000000, 08000000: RAM]
node [08000000, 08000000: RSVD]
node [20000000, 10000000: RAM]
<5>Reserving 128 MB upper memory starting at 08000000
<7>On node 0 totalpages: 65536
<7> DMA zone: 65536 pages, LIFO batch:15
<7>On node 1 totalpages: 65536
<7> Normal zone: 65536 pages, LIFO batch:15
Built 2 zonelists. Total pages: 131072
<5>Kernel command line: mem=128M console=ttyS0,115200 rw
PID hash table entries: 4096 (order: 12, 16384 bytes)
Found MIPS counter frequency: 203 Mhz
Using 202.501 MHz high precision timer.
brcm_serial_console_init, sercon=80305dd0
Dentry cache hash table entries: 65536 (order: 6, 262144 bytes)

Inode-cache hash table entries: 32768 (order: 5, 131072 bytes)
Memory: 382208k/524288k available (2748k kernel code, 141892k reserved, 516k data, 2796k init, 0k highmem)
Mount-cache hash table entries: 512
Checking for 'wait' instruction... available.
plat_prepare_cpus: ENABLING 2nd Thread...
TP0: prom_boot_secondary: Kick off 2nd CPU...
CPU revision is: 0002a044
FPU revision is: 00130001
Primary instruction cache 32kB, physically tagged, 2-way, linesize 64 bytes.
Primary data cache 64kB, 4-way, linesize 64 bytes.
Synthesized TLB refill handler (23 instructions).
Brought up 2 CPUs
migration_cost=1000
NET: Registered protocol family 16
usbcore: registered new driver usbfs
usbcore: registered new driver hub
NET: Registered protocol family 2
IP route cache hash table entries: 16384 (order: 4, 65536 bytes)
TCP established hash table entries: 65536 (order: 7, 524288 bytes)
TCP bind hash table entries: 32768 (order: 6, 262144 bytes)
TCP: Hash tables configured (established 65536 bind 32768)
TCP reno registered
brcm-pm: disabling power to USB block
brcm-pm: disabling power to ENET block
squashfs: version 3.2-r2 (2007/01/15) Phillip Lougher
JFFS2 version 2.2. (NAND) (SUMMARY) (C) 2001-2006 Red Hat, Inc.
yaffs Sep 30 2011 11:28:40 Installing.
io scheduler noop registered
io scheduler anticipatory registered (default)
io scheduler deadline registered
io scheduler cfq registered
Broadcom serial driver version 1.00 (2000-11-09) with no serial options enabled
RAMDISK driver initialized: 16 RAM disks of 8704K size 1024 blocksize
loop: loaded (max 8 devices)
brcm-pm: enabling power to ENET block
Broadcom BCM3556 P30 Ethernet Network Device v2.0 Sep 30 2011 11:29:53
Config Internal PHY Through MDIO: Auto-negotiation timed-out
: 10 MB Half-Duplex (assumed)
Broadcom STB NAND controller (BrcmNand Controller)
i=0, CS[0] = 0
brcmnand_probe: CS0: dev_id=ecf10095
After: NandSelect=40000100, nandConfig=15142200
NAND Config: Reg=15142200, chipSize=128 MB, blockSize=128K, erase_shift=11
busWidth=1, pageSize=2048B, page_shift=11, page_mask=000007ff
timing1 not adjusted: 5363444f
timing2 not adjusted: 80000fc8
BrcmNAND mfg ec f1 Samsung K9F1G08U0A 128MB

Found NAND: ACC=f7441010, cfg=15142200, flashId=ecf10095, tim1=5363444f, tim2=80000fc8
BrcmNAND version = 0x0300 128MB @00000000
brcmnand_probe: CS0: dev_id=ecf10095
After: NandSelect=40000100, nandConfig=15142200
Found NAND chip on Chip Select 0, chipSize=128MB, usable size=128MB, base=0x
brcmnand_scan: B4 nand_select = 40000100
brcmnand_scan: After nand_select = 40000100
ACC_CONTROL for SLC NAND: f7441010, eccLevel=4
Disable WR_PREEMPT: ACC_CONTROL = f5441010 from f7441010
SLC flash: Corrected ACC_CONTROL = f5441010 from f7441010
brcmnand_scan: CORR ERR threshold set to 3 bits
page_shift=11, bbt_erase_shift=17, chip_shift=27, phys_erase_shift=17
Brcm NAND controller version = 3.0 NAND flash size 128MB @00000000
ECC layout=brcmnand_oob_bch4_2k

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mtd->oobsize=64, mtd->eccOobSize=16
brcmnand_scan: mtd->oobsize=64
brcmnand_scan: oobavail=35, eccsize=512, writesize=2048
brcmnand_scan, eccsize=512, writesize=2048, eccsteps=4, ecclevel=4, eccbytes=7
-->EDU_init:
EDU_init: MEMC_0_1_CLIENT_INFO_45 = 001fff3f overwritten. Please fix your RTS
rf5s=00000000, rf5m=00ffffff, pcis=00000000,pcim=00ffffff
prev: rf5s=00000000, rf5m=00000000, pcis=00000000,pcim=00000000
brcmnand_default_bbt: bbt_td = bbt_slc_bch4_main_descr
brcmnandCET: Status -> Deferred
    numchips=1, size=8000000
nandinfo->brcmnand.CS[0] = 0
bcm7XXX_nand_parts=80307020, bcm7XXX_new_partition=80306f58,
bcm7XXX_old_partition=80307020
numParts=15
Part[0] name=cfe, size=100000, offset=0
Part[1] name=splash, size=800000, offset=100000
Part[2] name=kernel, size=400000, offset=900000
Part[3] name=initrd, size=600000, offset=d00000
Part[4] name=rootfs0, size=2500000, offset=1300000
Part[5] name=rootfs1, size=2500000, offset=3800000
Part[6] name=settings, size=300000, offset=5d00000
Part[7] name=db, size=600000, offset=6000000
Part[8] name=db_backup, size=200000, offset=6600000
Part[9] name=spare0, size=a00000, offset=6800000
Part[10] name=cache, size=a00000, offset=7200000
Part[11] name=nvram, size=200000, offset=7c00000
Part[12] name=data, size=200000, offset=7e00000
Part[13] name=yahoo, size=4000000, offset=8000000
Part[14] name=yahoo_data, size=8000000, offset=c000000
Found partition 1, old offset=00100000, oldSize=00800000
CFE EnvVar changed: from splash: 00100000, 00800000 to 00100000, 00800000
Found partition 2, old offset=00900000, oldSize=00400000
CFE EnvVar changed: from kernel: 00900000, 00400000 to 00900000, 00400000
Found partition 3, old offset=00d00000, oldSize=00600000
CFE EnvVar changed: from initrd: 00d00000, 00600000 to 00d00000, 00600000
Found partition 4, old offset=01300000, oldSize=02500000
CFE EnvVar changed: from rootfs0: 01300000, 02500000 to 01300000, 02500000
Found partition 5, old offset=03800000, oldSize=02500000
CFE EnvVar changed: from rootfs1: 03800000, 02500000 to 03800000, 02500000
Found partition 6, old offset=05d00000, oldSize=00300000
CFE EnvVar changed: from settings: 05d00000, 00300000 to 05d00000, 00300000
Found partition 7, old offset=06000000, oldSize=00600000
CFE EnvVar changed: from db: 06000000, 00600000 to 06000000, 00600000
Found partition 8, old offset=06600000, oldSize=00200000
CFE EnvVar changed: from db_backup: 06600000, 00200000 to 06600000, 00200000
Before last editing: numParts=15
Part[0] name=cfe, size= 100000, offset=00000000, numparts=15
Part[1] name=splash, size= 800000, offset=00100000, numparts=15
Part[2] name=kernel, size= 400000, offset=00900000, numparts=15
Part[3] name=initrd, size= 600000, offset=00d00000, numparts=15
Part[4] name=rootfs0, size= 2500000, offset=01300000, numparts=15
Part[5] name=rootfs1, size= 2500000, offset=03800000, numparts=15
Part[6] name=settings, size= 300000, offset=05d00000, numparts=15
Part[7] name=db, size= 600000, offset=06000000, numparts=15
Part[8] name=db_backup, size= 200000, offset=06600000, numparts=15
Part[9] name=spare0, size= a00000, offset=06800000, numparts=15
Part[10] name=cache, size= a00000, offset=07200000, numparts=15
Part[11] name=nvram, size= 200000, offset=07c00000, numparts=15
Part[12] name=data, size= 200000, offset=07e00000, numparts=15
Part[13] name=yahoo, size= 4000000, offset=08000000, numparts=15
Part[14] name=yahoo_data, size= 8000000, offset=0c000000, numparts=15
<-- brcmnanddrv_setup_mtdpart_cfe_env
Creating 15 MTD partitions on "bcm7xxx-nand.0":

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0x0000000000000000-0x00000000000100000 : "cfe"
0x00000000000100000-0x00000000000900000 : "splash"
0x00000000000900000-0x00000000000d00000 : "kernel"
0x00000000000d00000-0x000000000001300000 : "initrd"
0x000000000001300000-0x000000000003800000 : "rootfs0"
0x000000000003800000-0x000000000005d00000 : "rootfs1"
0x000000000005d00000-0x000000000006000000 : "settings"
0x000000000006000000-0x000000000006600000 : "db"
0x000000000006600000-0x000000000006800000 : "db_backup"
0x000000000006800000-0x000000000007200000 : "spare0"
0x000000000007200000-0x000000000007c00000 : "cache"
0x000000000007c00000-0x000000000007e00000 : "nvram"
0x000000000007e00000-0x000000000008000000 : "data"
0x000000000008000000-0x00000000000c000000 : "yahoo"
mtd: partition "yahoo" is out of reach -- disabled
0x00000000000c000000-0x0000000000014000000 : "yahoo_data"
mtd: partition "yahoo_data" is out of reach -- disabled
usbmon: debugfs is not available
VESTEL : ehci_hcd_brcm_init
ehci_hcd_brcm_init: Initializing 1 EHCI controller(s)
brcm-pm: enabling power to USB block
10 Dec 2004 USB 2.0 'Enhanced' Host Controller (EHCI) Driver (EHCI-brcm-0)
drivers/usb/host/ehci-brcm.c: starting brcm EHCI USB Controller
- USB h/w setup mode <B>
- USB power enable set for active HIGH mode
brcm-ehci brcm-ehci.0: BRCM EHCI
brcm-ehci brcm-ehci.0: new USB bus registered, assigned bus number 1
brcm-ehci brcm-ehci.0: irq 34, io mem 0x10780300
brcm-ehci brcm-ehci.0: USB 0.0 started, EHCI 1.00, driver 10 Dec 2004
usb usb1: configuration #1 chosen from 1 choice
hub 1-0:1.0: USB hub found
hub 1-0:1.0: 2 ports detected
VESTEL : ohci_hcd_brcm_init
ohci_hcd_brcm_init: Initializing 1 OHCI controller(s)
2005 April 22 USB 1.1 'Open' Host Controller (OHCI) Driver (OHCI-brcm-0)
drivers/usb/host/ohci-brcm.c: starting brcm OHCI USB Controller
- Resetting at b0780408
<-- brcm_start_hc
brcm-ohci-0 brcm-ohci-0.0: BRCM OHCI
brcm-ohci-0 brcm-ohci-0.0: new USB bus registered, assigned bus number 2
brcm-ohci-0 brcm-ohci-0.0: irq 35, io mem 0x10780400
usb usb2: configuration #1 chosen from 1 choice
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 2 ports detected
pegasus: v0.6.13 (2005/11/13), Pegasus/Pegasus II USB Ethernet driver
usb 1-2: new high speed USB device using brcm-ehci and address 2
usb 1-2: configuration #1 chosen from 1 choice
usbcore: registered new driver pegasus
drivers/usb/net/rtl8150.c: rtl8150 based usb-ethernet driver v0.6.2 (2004/08/27)
usbcore: registered new driver rtl8150
usbcore: registered new driver asix
usbcore: registered new driver cdc_ether
usbcore: registered new driver net1080
usbcore: registered new driver zaurus
TCP bic registered
NET: Registered protocol family 1
NET: Registered protocol family 17
Freeing unused kernel memory: 2796k freed
init started: BusyBox v1.11.1 (2011-09-30 11:00:00 EEST)
starting pid 1, tty '': '/etc/init.d/rcS'
Mount /proc fs
Mount /sys fs
Mount /dev/pts
Mount /proc/bus/usb

```

```
Cleaning up utmp and wtmp
Start syslog daemon
Configure Network interface
dhcpcd -Hd -L /var/run/eth0
start services
telnetd: starting
  port: 23; interface: any; login program: /bin/login
start user services
```

Usb update....

```
SCSI subsystem initialized
VESTEL : Initializing USB Mass Storage driver...
scsi0 : SCSI emulation for USB Mass Storage devices
usbcore: registered new driver usb-storage
USB Mass Storage support registered.
Waiting for USB
Waiting for USB
Waiting for USB
Waiting for USB
  Vendor: LEXAR      Model: JD TRAVELER      Rev: 1000
  Type:   Direct-Access      ANSI SCSI revision: 00
SCSI device sda: 248928 512-byte hdwr sectors (127 MB)
sda: Write Protect is off
sda: assuming drive cache: write through
SCSI device sda: 248928 512-byte hdwr sectors (127 MB)
sda: Write Protect is off
sda: assuming drive cache: write through
  sda: sda1
sd 0:0:0:0: Attached scsi removable disk sda
```

STARTING UPDATE

```
Updating Kernel [mtd2]
Kernel update complete
```

```
Updating Kernel Initrd [mtd3]
Kernel initrd update complete
```

```
Updating RootFS [mtd4]
RootFS update complete with squashfs file sytem
```

"default_settings.img" not found - settings will not be updated

Splash will not be updated

```
Updating Discretix DRM Data! [mtd9]
Discretix DRM Data update complete
```

```
[mtd5] : erase all...
```

```
JFFS2 doesn't use OOB.
Empty flash at 0x00298104 ends at 0x00298800
```

Copy database files to tmpfs.

JFFS2 notice: (363) check_node_data: wrong data CRC in data node at 0x00276000:

read 0xc982fa8d, calculated 0x7faad19c.
JFFS2 notice: (363) check_node_data: wrong data CRC in data node at 0x00298000:
read 0x79094b24, calculated 0xf5c55bd5.

[mtd7] : erase all...

JFFS2 doesn't use 00B.

Copy database backup files to tmpfs.

p8[9]=03

JFFS2 error: (371) jffs2_get_inode_nodes: can not read 2048 bytes from
0x000a0000, error code: -77.

JFFS2 error: (371) jffs2_do_read_inode_internal: cannot read nodes for ino 20,
returned error is -77

cp: cannot stat '/mnt/tmp_db_backup/nvblock_6.bin.gz': Input/output error

p8[9]=00

JFFS2 error: (370) jffs2_get_inode_nodes: can not read 1632 bytes from
0x000a09a0, error code: -77.

JFFS2 error: (370) jffs2_do_read_inode_internal: cannot read nodes for ino 2,
returned error is -77

Returned error for crccheck of ino #2. Expect badness...

Checked all inodes but still 0x8037c bytes of unchecked space?

Break instruction in kernel code[#1]:

Cpu 0

\$ 0 : 00000000 10008700 00000042 802fdbd4

\$ 4 : 802fdbd0 10008700 00000001 00002ef3

\$ 8 : 00000000 80300000 00000000 00000000

\$12 : 805f0d72 00000005 805f1150 00000000

\$16 : 803d73b0 00000001 8034a000 8034a130

\$20 : 8034a034 8034a110 802b7e00 802d0000

\$24 : ffffffff 802b8b64

\$28 : 80540000 80541eb8 805ef5c0 801590a0

Hi : 000001ff

Lo : 5c28f782

epc : 801590a8 jffs2_garbage_collect_pass+0x338/0xd70 Not tainted

ra : 801590a0 jffs2_garbage_collect_pass+0x330/0xd70

Status: 10008703 KERNEL EXL IE

Cause : 00800024

PrId : 0002a044

Modules linked in: nls_iso8859_1 nls_cp437 udf iso9660 usb_storage vfat fat

nls_base sr_mod sd_mod scsi_mod cdrom

Process jffs2_gcd_mtd8 (pid: 370, threadinfo=80540000, task=80593a38)

Stack : 805eaf48 0000001a 0008037c 00000000 00000000 8034a000 80541f30 00000000

00000000 00000000 00000000 8002c05c 800291c8 80029178 00000000 8002aac4

80593d74 00000000 80593a38 8034a000 80541f30 00000000 00000000 00000000

00000000 8015b428 802ac848 00000008 00000000 00000000 00000000 00000000

00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000

...

Call Trace:

[<801590a8>] jffs2_garbage_collect_pass+0x338/0xd70

[<8015b428>] jffs2_garbage_collect_thread+0xb4/0x168

[<80007c34>] kernel_thread_helper+0x10/0x18

Code: 26e4ff9c 0000000f ae400110 <0200000d> 0805638c 00000000 40056000
34a1001f 3821001f