

[bk tree] minor DRM patches

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-12/6381.html>

From: Dave Airlie (airlied_at_linux.ie)

Date: 12/31/04

Date: Fri, 31 Dec 2004 07:50:48 +0000 (GMT)
To: torvalds@osdl.org, Andrew Morton <akpm@osdl.org>

Hi Linus,

Please do a

bk pull bk://drm.bkbits.net/drm-linus

This will include some minor DRM patches and cleanups from DRM CVS.

```
drivers/char/drm/ati_pcigart.c | 2 +-  
drivers/char/drm/drmP.h | 4 ++--  
drivers/char/drm/drm_dma.c | 4 +---  
drivers/char/drm/drm_fops.c | 2 +-  
drivers/char/drm/drm_stub.c | 2 +-  
drivers/char/drm/i810_dma.c | 6 ++-----  
drivers/char/drm/i810_drv.h | 2 +-  
drivers/char/drm/i830_dma.c | 6 ++-----  
drivers/char/drm/i830_drv.h | 2 +-  
drivers/char/drm/sis_ds.c | 4 ++--  
drivers/char/drm/sis_ds.h | 8 ++++-----  
11 files changed, 18 insertions(+), 24 deletions(-)
```

through these ChangeSets:

<airlied@starflyer.(none)> (04/12/31 1.2089)
drm: make reclaim_buffers take dev argument

Allow drivers to override reclaim_buffers in an OS-independent way by passing drm_device_t* as first parameter, like in the BSD version.

From: Felix Kuehling <fxhuehl@gmx.de>
Signed-off-by: Dave Airlie <airlied@linux.ie>

<airlied@starflyer.(none)> (04/12/31 1.2088)
drm: use spin_lock_init instead of SPIN_LOCK_UNLOCKED

Linux-Kernel: [bk tree] minor DRM patches

From: Jon Smirl <jonsmirl@gmail.com>
Signed-off-by: Dave Airlie <airlied@linux.ie>

<airlied@starflyer.(none)> (04/12/31 1.2087)
drm: correct historic mis-attribution of copyright

From: Keith Withwell <keithw@tungstengraphics.com>
Signed-off-by: Dave Airlie <airlied@linux.ie>

<airlied@starflyer.(none)> (04/12/31 1.2086)
Make 1-bit fields be unsigned (no sign bit :).
sparse complains about them:
drivers/char/drm/sis_ds.h:88:12: warning: dubious one-bit signed bitfield
drivers/char/drm/sis_ds.h:89:16: warning: dubious one-bit signed bitfield

Signed-off-by: Randy Dunlap <rdunlap@osdl.org>
Signed-off-by: Dave Airlie <airlied@linux.ie>

<airlied@starflyer.(none)> (04/12/31 1.2081.1.1)
drm: Use wbinvd macro instead of assembly for it,

From: Stefan Dirsch <sndirsch@suse.de>
Signed-off-by: Dave Airlie <airlied@linux.ie>

```
diff -Nru a/drivers/char/drm/ati_pcigart.c b/drivers/char/drm/ati_pcigart.c
--- a/drivers/char/drm/ati_pcigart.c 2004-12-31 18:41:20 +11:00
+++ b/drivers/char/drm/ati_pcigart.c 2004-12-31 18:41:20 +11:00
@@ -195,7 +195,7 @@
     ret = 1;
```

```
#if defined(__i386__) || defined(__x86_64__)
- asm volatile ( "wbinvd" ::: "memory" );
+ wbinvd();
#else
    mb();
#endif
```

```
diff -Nru a/drivers/char/drm/drmP.h b/drivers/char/drm/drmP.h
--- a/drivers/char/drm/drmP.h 2004-12-31 18:41:20 +11:00
+++ b/drivers/char/drm/drmP.h 2004-12-31 18:41:20 +11:00
@@ -580,7 +580,7 @@
     void (*irq_preinstall)(struct drm_device *dev);
     void (*irq_postinstall)(struct drm_device *dev);
     void (*irq_uninstall)(struct drm_device *dev);
- void (*reclaim_buffers)(struct file *filp);
+ void (*reclaim_buffers)(struct drm_device *dev, struct file *filp);
     unsigned long (*get_map_ofs)(drm_map_t *map);
     unsigned long (*get_reg_ofs)(struct drm_device *dev);
     void (*set_version)(struct drm_device *dev, drm_set_version_t *sv);
@@ -912,7 +912,7 @@
extern int drm_dma_setup(drm_device_t *dev);
extern void drm_dma_takedown(drm_device_t *dev);
```

Linux-Kernel: [bk tree] minor DRM patches

```
extern void drm_free_buffer(drm_device_t *dev, drm_buf_t *buf);
-extern void drm_core_reclaim_buffers( struct file *filp );
+extern void drm_core_reclaim_buffers(drm_device_t *dev, struct file *filp);

        /* IRQ support (drm_irq.h) */
extern int drm_control( struct inode *inode, struct file *filp,
diff -Nru a/drivers/char/drm/drm_dma.c b/drivers/char/drm/drm_dma.c
--- a/drivers/char/drm/drm_dma.c 2004-12-31 18:41:20 +11:00
+++ b/drivers/char/drm/drm_dma.c 2004-12-31 18:41:20 +11:00
@@ -154,10 +154,8 @@
*
* Frees each buffer associated with \p filp not already on the hardware.
*/
-void drm_core_reclaim_buffers( struct file *filp )
+void drm_core_reclaim_buffers(drm_device_t *dev, struct file *filp)
{
- drm_file_t *priv = filp->private_data;
- drm_device_t *dev = priv->dev;
    drm_device_dma_t *dma = dev->dma;
    int i;

diff -Nru a/drivers/char/drm/drm_fops.c b/drivers/char/drm/drm_fops.c
--- a/drivers/char/drm/drm_fops.c 2004-12-31 18:41:20 +11:00
+++ b/drivers/char/drm/drm_fops.c 2004-12-31 18:41:20 +11:00
@@ -251,7 +251,7 @@

    if (drm_core_check_feature(dev, DRIVER_HAVE_DMA))
    {
- dev->driver->reclaim_buffers(filp);
+ dev->driver->reclaim_buffers(dev, filp);
    }

    drm_fasync( -1, filp, 0 );
diff -Nru a/drivers/char/drm/drm_stub.c b/drivers/char/drm/drm_stub.c
--- a/drivers/char/drm/drm_stub.c 2004-12-31 18:41:20 +11:00
+++ b/drivers/char/drm/drm_stub.c 2004-12-31 18:41:20 +11:00
@@ -57,7 +57,7 @@
{
    int retcode;

- dev->count_lock = SPIN_LOCK_UNLOCKED;
+ spin_lock_init(&dev->count_lock);
    init_timer( &dev->timer );
    sema_init( &dev->struct_sem, 1 );
    sema_init( &dev->ctxlist_sem, 1 );
diff -Nru a/drivers/char/drm/i810_dma.c b/drivers/char/drm/i810_dma.c
--- a/drivers/char/drm/i810_dma.c 2004-12-31 18:41:20 +11:00
+++ b/drivers/char/drm/i810_dma.c 2004-12-31 18:41:20 +11:00
@@ -994,10 +994,8 @@
}
}
```

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```
/* Must be called with the lock held */
-void i810_reclaim_buffers(struct file *filp)
+void i810_reclaim_buffers(drm_device_t *dev, struct file *filp)
{
- drm_file_t *priv = filp->private_data;
- drm_device_t *dev = priv->dev;
  drm_device_dma_t *dma = dev->dma;
  int i;

@@ -1367,7 +1365,7 @@

void i810_driver_release(drm_device_t *dev, struct file *filp)
{
- i810_reclaim_buffers(filp);
+ i810_reclaim_buffers(dev, filp);
}

int i810_driver_dma_quiescent(drm_device_t *dev)
diff -Nru a/drivers/char/drm/i810_drv.h b/drivers/char/drm/i810_drv.h
---- a/drivers/char/drm/i810_drv.h 2004-12-31 18:41:20 +11:00
+++ b/drivers/char/drm/i810_drv.h 2004-12-31 18:41:20 +11:00
@@ -122,7 +122,7 @@
extern int i810_dma_cleanup(drm_device_t *dev);
extern int i810_flush_ioctl(struct inode *inode, struct file *filp,
                           unsigned int cmd, unsigned long arg);
-extern void i810_reclaim_buffers(struct file *filp);
+extern void i810_reclaim_buffers(drm_device_t *dev, struct file *filp);
extern int i810_getage(struct inode *inode, struct file *filp,
                      unsigned int cmd, unsigned long arg);
extern int i810_mmap_buffers(struct file *filp, struct vm_area_struct *vma);
diff -Nru a/drivers/char/drm/i830_dma.c b/drivers/char/drm/i830_dma.c
---- a/drivers/char/drm/i830_dma.c 2004-12-31 18:41:20 +11:00
+++ b/drivers/char/drm/i830_dma.c 2004-12-31 18:41:20 +11:00
@@ -1283,10 +1283,8 @@
}

/* Must be called with the lock held */
-void i830_reclaim_buffers( struct file *filp )
+void i830_reclaim_buffers(drm_device_t *dev, struct file *filp)
{
- drm_file_t *priv = filp->private_data;
- drm_device_t *dev = priv->dev;
  drm_device_dma_t *dma = dev->dma;
  int i;

@@ -1570,7 +1568,7 @@

void i830_driver_release(drm_device_t *dev, struct file *filp)
{
- i830_reclaim_buffers(filp);
+ i830_reclaim_buffers(dev, filp);
```

}

```

int i830_driver_dma_quiescent(drm_device_t *dev)
diff -Nru a/drivers/char/drm/i830_drv.h b/drivers/char/drm/i830_drv.h
--- a/drivers/char/drm/i830_drv.h 2004-12-31 18:41:20 +11:00
+++ b/drivers/char/drm/i830_drv.h 2004-12-31 18:41:20 +11:00
@@ -129,7 +129,7 @@
extern int i830_dma_cleanup(drm_device_t *dev);
extern int i830_flush_ioctl(struct inode *inode, struct file *filp,
                           unsigned int cmd, unsigned long arg);
-extern void i830_reclaim_buffers(struct file *filp);
+extern void i830_reclaim_buffers(drm_device_t *dev, struct file *filp);
extern int i830_getage(struct inode *inode, struct file *filp, unsigned int cmd,
                      unsigned long arg);
extern int i830_mmap_buffers(struct file *filp, struct vm_area_struct *vma);
diff -Nru a/drivers/char/drm/sis_ds.c b/drivers/char/drm/sis_ds.c
--- a/drivers/char/drm/sis_ds.c 2004-12-31 18:41:20 +11:00
+++ b/drivers/char/drm/sis_ds.c 2004-12-31 18:41:20 +11:00
@@ -134,7 +134,7 @@

/*
 * GLX Hardware Device Driver common code
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+ * Copyright (C) 1999 Wittawat Yamwong
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diff -Nru a/drivers/char/drm/sis_ds.h b/drivers/char/drm/sis_ds.h
--- a/drivers/char/drm/sis_ds.h 2004-12-31 18:41:20 +11:00
+++ b/drivers/char/drm/sis_ds.h 2004-12-31 18:41:20 +11:00
@@ -58,7 +58,7 @@

/*
 * GLX Hardware Device Driver common code
- * Copyright (C) 1999 Keith Whitwell
+ * Copyright (C) 1999 Wittawat Yamwong
 *
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```

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@@ -85,8 +85,8 @@

```
    struct mem_block_t *heap;
    int ofs,size;
    int align;
- int free:1;
- int reserved:1;
+ unsigned int free:1;
+ unsigned int reserved:1;
};
typedef struct mem_block_t TMemBlock;
typedef struct mem_block_t *PMemBlock;
```

-
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