

[PATCH 1/2] arch/cris: Added a missing iounmap

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-11/msg10213.html>

- *From:* Julia Lawall <julia@xxxxxxx>
 - *Date:* Fri, 30 Nov 2007 16:50:59 +0100 (CET)
-

From: Julia Lawall <julia@xxxxxxx>

An extra error handling label is needed for the case where the ioremap has succeeded.

The problem was detected using the following semantic match (<http://www.emn.fr/x-info/coccinelle/>)

```
// <smpl>
@@
type T,T1,T2;
identifier E;
statement S;
expression x1,x2;
constant C;
int ret;
@@

T E;
...
* E = ioremap(...);
if (E == NULL) S
... when != iounmap(E)
when != if (E != NULL) { ... iounmap(E); ... }
when != x1 = (T1)E
if (...) {
... when != iounmap(E)
when != if (E != NULL) { ... iounmap(E); ... }
when != x2 = (T2)E
(
* return;
|
* return C;
|
* return ret;
)
}
// </smpl>
```

[PATCH 1/2] arch/cris: Added a missing iounmap

Signed-off-by: Julia Lawall <julia@xxxxxxx>

```
diff -u -p a/arch/cris/arch-v32/drivers/pci/dma.c b/arch/cris/arch-v32/drivers/pci/dma.c
--- a/arch/cris/arch-v32/drivers/pci/dma.c 2007-07-20 17:45:43.000000000 +0200
+++ b/arch/cris/arch-v32/drivers/pci/dma.c 2007-11-29 18:45:16.000000000 +0100
@@ -93,7 +93,7 @@ int dma_declare_coherent_memory(struct d
```

```
dev->dma_mem = kzalloc(sizeof(struct dma_coherent_mem), GFP_KERNEL);
if (!dev->dma_mem)
- goto out;
+ goto iounmap_out;
dev->dma_mem->bitmap = kzalloc(bitmap_size, GFP_KERNEL);
if (!dev->dma_mem->bitmap)
goto free1_out;
@@ -110,6 +110,8 @@ int dma_declare_coherent_memory(struct d
```

```
free1_out:
kfree(dev->dma_mem);
+ iounmap_out:
+ iounmap(mem_base);
out:
return 0;
}
```

-

To unsubscribe from this list: send the line "unsubscribe linux-kernel" in the body of a message to majordomo@xxxxxxxxxxxxxxxxxxx

More majordomo info at <http://vger.kernel.org/majordomo-info.html>

Please read the FAQ at <http://www.tux.org/lkml/>