
Subject: [PATCH] IA64: virt_to_page() can be called with NULL arg

Posted by [Kirill Korotaev](#) on Mon, 18 Dec 2006 12:03:23 GMT

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[IA64] virt_to_page() cannot be called with NULL (mainstream bug)

It does not return NULL when arg is NULL.

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--- linux-2.6.git/include/asm-ia64/pgalloc.h.orig 2006-12-18 14:59:09.000000000 +0300

+++ linux-2.6.git/include/asm-ia64/pgalloc.h 2006-12-18 15:07:44.000000000 +0300

@@ -137,7 +137,8 @@ pmd_populate_kernel(struct mm_struct *mm,
static inline struct page *pte_alloc_one(struct mm_struct *mm,
unsigned long addr)

```
{  
- return virt_to_page(pgtable_quicklist_alloc());  
+ void *pg = pgtable_quicklist_alloc();  
+ return pg ? virt_to_page(pg) : NULL;  
}
```

static inline pte_t *pte_alloc_one_kernel(struct mm_struct *mm,
