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Subject: [PATCH COMMIT] diff-smp-nmi-show-regs-fixes

Posted by [xemul](#) on Wed, 05 Apr 2006 10:32:15 GMT

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Added to 026test008

Patch from OpenVZ team <devel@openvz.org>

Fix of previous patch for voyager.

Cc: Adrian Bunk <bunk@stusta.de>

Signed-off-by: Kirill Korotaev <dev@sw.ru>

Signed-off-by: Pavel Emelianov <xemul@sw.ru>

Signed-off-by: Andrew Morton <akpm@osdl.org>

```
diff -puN arch/i386/kernel/nmi.c~nmi-lockup-and-altsysrq-p-dumping-cal
ltraces-on-_all_-cpus-fixes arch/i386/kernel/nmi.c
--- devel/arch/i386/kernel/nmi.c~nmi-lockup-and-altsysrq-p-dumpi
ng-calltraces-on-_all_-cpus-fixes 2006-03-18 01:12:53.000000000 -0800
+++ devel-akpm/arch/i386/kernel/nmi.c 2006-03-18 01:12:53.000000000 -0800
@@ -523,10 +523,10 @@ void touch_nmi_watchdog (void)
```

```
extern void die_nmi(struct pt_regs *, const char *msg);
```

```
-static spinlock_t show_regs_lock = SPIN_LOCK_UNLOCKED;
```

```
-
```

```
void smp_show_regs(struct pt_regs *regs, void *info)
```

```
{
```

```
+ static DEFINE_SPINLOCK(show_regs_lock);
```

```
+
```

```
if (regs == NULL)
```

```
return;
```

```
@@ -538,7 +538,7 @@ void smp_show_regs(struct pt_regs *regs,
```

```
bust_spinlocks(0);
```

```
}
```

```
-void nmi_watchdog_tick (struct pt_regs * regs)
```

```
+void nmi_watchdog_tick(struct pt_regs *regs)
```

```
{
```

```
/*
```

```
diff -puN arch/i386/kernel/traps.c~nmi-lockup-and-altsysrq-p-dumping-c
```

```
alltraces-on-_all_-cpus-fixes arch/i386/kernel/traps.c
```

```
--- devel/arch/i386/kernel/traps.c~nmi-lockup-and-altsysrq-p-dum
```

```
ping-calltraces-on-_all_-cpus-fixes 2006-03-18 01:12:53.000000000 -0800
```

```
+++ devel-akpm/arch/i386/kernel/traps.c 2006-03-18 01:13:36.000000000 -0800
```

```
@@ -671,12 +671,27 @@ static void unknown_nmi_error(unsigned c
```

```

    printk("Do you have a strange power saving mode enabled?\n");
}

-static DEFINE_SPINLOCK(nmi_print_lock);
+/*
+ * Voyager doesn't implement these
+ */
+void __attribute__((weak)) smp_show_regs(struct pt_regs *regs, void *info)
+{
+}
+
+#ifdef CONFIG_SMP
+int __attribute__((weak))
+smp_nmi_call_function(smp_nmi_function func, void *info, int wait)
+{
+ return 0;
+}
+#endif

void die_nmi (struct pt_regs *regs, const char *msg)
{
+ static DEFINE_SPINLOCK(nmi_print_lock);
+
+ if (notify_die(DIE_NMIWATCHDOG, msg, regs, 0, 0, SIGINT) ==
- NOTIFY_STOP)
+ NOTIFY_STOP)
    return;

    spin_lock(&nmi_print_lock);

```

## File Attachments

1) [diff-smp-nmi-show-regs-fixes](#), downloaded 438 times

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