

Re: [PATCH] [3/3] Enable ACPI extended century handling for 32bit too

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-02/msg04356.html>

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- *From:* Thomas Gleixner <[tglx@xxxxxxxxxxxxxxx](mailto:tglx@xxxxxxxxxxxxxxx)>
  - *Date:* Sat, 9 Feb 2008 11:39:11 +0100 (CET)
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On Fri, 8 Feb 2008, Andi Kleen wrote:

Not that it matters much, see comment in the code.

Signed-off-by: Andi Kleen <[ak@xxxxxxx](mailto:ak@xxxxxxx)>

---  
arch/x86/kernel rtc.c | 7 +++++---  
1 file changed, 4 insertions(+), 3 deletions(-)

Index: linux/arch/x86/kernel/rtc.c

```
=====
--- linux.orig/arch/x86/kernel/rtc.c
+++ linux/arch/x86/kernel/rtc.c
@@ -112,12 +112,13 @@ unsigned long mach_get_cmos_time(void)
mon = CMOS_READ(RTC_MONTH);
year = CMOS_READ(RTC_YEAR);

-#if defined(CONFIG_ACPI) && defined(CONFIG_X86_64)
- /* CHECKME: Is this really 64bit only ??? */
+ /*
+ * On 32bit not strictly needed because the world ends in 2038
+ * and the code can handle that with the 2 digit heuristics.
+ */
if (acpi_gbl_FADT.header.revision >= FADT2_REVISION_ID &&
acpi_gbl_FADT.century)
century = CMOS_READ(acpi_gbl_FADT.century);
```

How does this compile with CONFIG\_ACPI=n ?

Thanks,  
tglx

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