

Re: [PATCH] don't use flush_tlb_all in suspend time

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Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-04/msg06666.html>

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 - *Date:* Sun, 30 Apr 2006 06:45:05 +0000
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Hi!

flush_tlb_all uses on_each_cpu, which will disable/enable interrupt.
In suspend/resume time, this will make interrupt wrongly enabled.

```
diff -puN arch/i386/mm/init.c~flush_tlb_all_check arch/i386/mm/init.c
--- linux-2.6.17-rc3/arch/i386/mm/init.c~flush_tlb_all_check 2006-04-29
08:47:05.000000000 +0800
+++ linux-2.6.17-rc3-root/arch/i386/mm/init.c 2006-04-29 08:48:15.000000000 +0800
@@ -420,7 +420,10 @@ void zap_low_mappings (void)
#else
set_pgd(swapper_pg_dir+i, __pgd(0));
#endif
- flush_tlb_all();
+ if (cpus_weight(cpu_online_map) == 1)
+ local_flush_tlb();
+ else
+ flush_tlb_all();
}
```

Either it is okay to enable interrupts here -> unnecessary and ugly
test, or it is not, and then we are broken in SMP case.

Pavel

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Thanks, Sharp!

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