

Re: [PATCH 2/3] swsusp: Do not use page flags

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-03/msg07991.html>

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On Mon, 12 Mar 2007 22:19:20 +0100

"Rafael J. Wysocki" <rjw@xxxxxxx> wrote:

Make swsusp use memory bitmaps instead of page flags for marking 'nosave' and free pages. This allows us to 'recycle' two page flags that can be used for other purposes. Also, the memory needed to store the bitmaps is allocated when necessary (ie. before the suspend) and freed after the resume which is more reasonable.

The patch is designed to minimize the amount of changes and there are some nice simplifications and optimizations possible on top of it. I am going to implement them separately in the future.

Blows up with ia64 allmodconfig due to CONFIG_PM=y, CONFIG_SOFTWARE_SUSPEND=n:

```
kernel/power/main.c:223: error: redefinition of 'software_suspend'  
include/linux/suspend.h:46: error: previous definition of 'software_suspend' was here
```

I had a look at fixing it, but it's unobvious why we're compiling most of kernel/power/main.c when CONFIG_SOFTWARE_SUSPEND=n so I'll send this series back for repair please.

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