
Subject: Re: [PATCH 11/11] protect architectures where THREAD_SIZE >= PAGE_SIZE against fork bombs

Posted by [David Rientjes](#) on Tue, 26 Jun 2012 04:57:54 GMT

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On Mon, 25 Jun 2012, Glauber Costa wrote:

```
> diff --git a/include/linux/thread_info.h b/include/linux/thread_info.h
> index ccc1899..914ec07 100644
> --- a/include/linux/thread_info.h
> +++ b/include/linux/thread_info.h
> @@ -61,6 +61,12 @@ extern long do_no_restart_syscall(struct restart_block *parm);
> # define THREADINFO_GFP (GFP_KERNEL | __GFP_NOTRACK)
> #endif
>
> +#ifdef CONFIG_CGROUP_MEM_RES_CTLR_KMEM
> +# define THREADINFO_GFP_ACCOUNTED (THREADINFO_GFP | __GFP_KMEMCG)
> +#else
> +# define THREADINFO_GFP_ACCOUNTED (THREADINFO_GFP)
> +#endif
> +
```

This type of requirement is going to become nasty very quickly if nobody can use `__GFP_KMEMCG` without testing for `CONFIG_CGROUP_MEM_RES_CTLR_KMEM`. Perhaps define `__GFP_KMEMCG` to be 0x0 if it's not enabled, similar to how `kmemcheck` does?
