Subject: Re: [PATCH 11/11] protect architectures where THREAD_SIZE >= PAGE_SIZE against fork bombs
Posted by KAMEZAWA Hiroyuki on Tue, 26 Jun 2012 05:35:34 GMT

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(2012/06/26 13:57), David Rientjes wrote:
> 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?

I agree.

Thanks,
-Kame