Subject: Re: [PATCH 2.6.24-rc3-mm1] IPC: make struct ipc_ids static in ipc_namespace
Posted by Pierre Peiffer on Fri, 23 Nov 2007 08:58:24 GMT
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Hi,

 Thanks for reviewing this !

Pavel Emelyanov wrote:
> Pavel Emelyanov wrote:
>> Cedric Le Goater wrote:
>>> Pierre Peiffer wrote:
>
> [snip]
>
>>> Pavel, what do you think of it ?
>> Looks sane, good catch, Pierre.
>>
>> But I'd find out whether these three ipc_ids intersect any
>> cache-line. In other words I'd mark the struct ipc_ids as
>> ____cacheline_aligned and checked for any differences.
>
> BTW! It might be also useful to keep ipc_ids closer to their
> sysctl parameters.
>

It makes sense indeed.

That would mean to have something like this, right ?

struct ipc_namespace {
 struct kref kref;

 struct ipc_ids sem_ids;
 int sem_ctls[4];
 int used_sems;

 struct ipc_ids msg_ids;
 int msg_ctlmax;
 int msg_ctlmnb;
 int msg_ctlmni;
 atomic_t msg_bytes;
 atomic_t msg_hdrs;

 struct ipc_ids shm_ids;
 size_t shm_ctlmax;
 size_t shm_ctlall;

```
 int  shm_ctlmni;
 int  shm_tot;
};
```

After a quick look, that implies to rework a little bit procfs... othwise, it's
not a big deal as I can see.

P.

>>> Acked-by: Cedric Le Goater <clg@fr.ibm.com>
>>>
>>> Thanks,
>> Thanks,
>> Pavel
>>
>>> C.
>
> [snip]
> -
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Pierre Peiffer

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