
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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