

---

Subject: Re: [PATCH 1/6] IPC namespace core  
Posted by [Cedric Le Goater](#) on Fri, 09 Jun 2006 15:20:15 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Kirill Korotaev wrote:

```
> This patch implements core IPC namespace changes:  
> - ipc_namespace structure  
> - new config option CONFIG_IPC_NS  
> - adds CLONE_NEWIPC flag  
> - unshare support  
>  
> Signed-Off-By: Pavel Emelianov <xemul@openvz.org>  
> Signed-Off-By: Kirill Korotaev <dev@openvz.org>  
>  
>  
> -----  
>  
> --- ./include/linux/init_task.h.ipcns 2006-06-06 14:47:58.000000000 +0400  
> +++ ./include/linux/init_task.h 2006-06-08 14:28:23.000000000 +0400  
> @@ -73,6 +73,7 @@ extern struct nsproxy init_nsproxy;  
> .count = ATOMIC_INIT(1), \  
> .nslock = SPIN_LOCK_UNLOCKED, \  
> .uts_ns = &init_uts_ns, \  
> + .ipc_ns = &init_ipc_ns, \  
> .namespace = NULL, \  
> }  
>  
> --- ./include/linux/ipc.h.ipcns 2006-04-21 11:59:36.000000000 +0400  
> +++ ./include/linux/ipc.h 2006-06-08 15:43:43.000000000 +0400  
> @@ -2,6 +2,7 @@  
> #define _LINUX_IPC_H  
>  
> #include <linux/types.h>  
> +#include <linux/kref.h>  
>  
> #define IPC_PRIVATE ((__kernel_key_t) 0)  
>  
> @@ -68,6 +69,41 @@ struct kern_ipc_perm  
> void *security;  
> };  
>  
> +struct ipc_ids;  
> +struct ipc_namespace {  
> + struct kref kref;  
> + struct ipc_ids *ids[3];  
> +  
> + int sem_ctls[4];  
> + int used_sems;
```

```
> +
> + int msg_ctlmax;
> + int msg_ctlmnb;
> + int msg_ctlmni;
> +
> + size_t shm_ctlmax;
> + size_t shm_ctlall;
> + int shm_ctlmni;
> + int shm_tot;
> +};
```

you could probably simplify your patch by moving struct ipc\_ids to ipc.h and not allocating ids.

see patch bellow. I've been working all week on this patchset :)

C.

---