
Subject: Re: [PATCH -mm] ipc namespace : remove CONFIG_IPC_NS

Posted by [Herbert Poetzl](#) on Mon, 22 Jan 2007 22:17:14 GMT

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On Tue, Jan 16, 2007 at 09:17:49AM -0600, Serge E. Hallyn wrote:

> Quoting Cedric Le Goater (clg@fr.ibm.com):

> > CONFIG_IPC_NS has very little value as it only deactivates the unshare

> > of the ipc namespace and does not improve performance.

> >

> > Signed-off-by: Cedric Le Goater <clg@fr.ibm.com>

same a for the UTS namespace, so I'm fine with
this removal too

best,
Herbert

> Acked-by: Serge Hallyn <serue@us.ibm.com>

>

> > ---

> > include/linux/ipc.h | 11 -----

> > init/Kconfig | 9 -----

> > ipc/msg.c | 4 +---

> > ipc/sem.c | 4 +---

> > ipc/shm.c | 4 +---

> > ipc/util.c | 4 +---

> > ipc/util.h | 8 ++-----

> > kernel/fork.c | 10 -----

> > 8 files changed, 6 insertions(+), 48 deletions(-)

> >

> > Index: 2.6.20-rc4-mm1/include/linux/ipc.h

> > =====

> > --- 2.6.20-rc4-mm1.orig/include/linux/ipc.h

> > +++ 2.6.20-rc4-mm1/include/linux/ipc.h

> > @@ -96,31 +96,20 @@ extern struct ipc_namespace init_ipc_ns;

> > #define INIT_IPC_NS(ns)

> > #endif

> >

> > -#ifdef CONFIG_IPC_NS

> > extern void free_ipc_ns(struct kref *kref);

> > extern int copy_ipcs(unsigned long flags, struct task_struct *tsk);

> > extern int unshare_ipcs(unsigned long flags, struct ipc_namespace **ns);

> > -#else

> > -static inline int copy_ipcs(unsigned long flags, struct task_struct *tsk)

> > -{

> > - return 0;

> > -}

> > -#endif

```

>>
>> static inline struct ipc_namespace *get_ipc_ns(struct ipc_namespace *ns)
>> {
>> -#ifdef CONFIG_IPC_NS
>>   if (ns)
>>     kref_get(&ns->kref);
>> -#endif
>>   return ns;
>> }
>>
>> static inline void put_ipc_ns(struct ipc_namespace *ns)
>> {
>> -#ifdef CONFIG_IPC_NS
>>   kref_put(&ns->kref, free_ipc_ns);
>> -#endif
>> }
>>
>> #endif /* __KERNEL__ */
>> Index: 2.6.20-rc4-mm1/init/Kconfig
>> =====
>> --- 2.6.20-rc4-mm1.orig/init/Kconfig
>> +++ 2.6.20-rc4-mm1/init/Kconfig
>> @@ -138,15 +138,6 @@ config SYSVIPC
>>     section 6.4 of the Linux Programmer's Guide, available from
>>     <http://www.tldp.org/guides.html>.
>>
>> -config IPC_NS
>> - bool "IPC Namespaces"
>> - depends on SYSVIPC
>> - default n
>> - help
>> -   Support ipc namespaces. This allows containers, i.e. virtual
>> -   environments, to use ipc namespaces to provide different ipc
>> -   objects for different servers. If unsure, say N.
>> -
>> config POSIX_MQUEUE
>>   bool "POSIX Message Queues"
>>   depends on NET && EXPERIMENTAL
>> Index: 2.6.20-rc4-mm1/ipc/msg.c
>> =====
>> --- 2.6.20-rc4-mm1.orig/ipc/msg.c
>> +++ 2.6.20-rc4-mm1/ipc/msg.c
>> @@ -87,7 +87,7 @@ static int newqueue (struct ipc_namespace
>> static int sysvipc_msg_proc_show(struct seq_file *s, void *it);
>> #endif
>>
>> -static void __ipc_init __msg_init_ns(struct ipc_namespace *ns, struct ipc_ids *ids)
>> +static void __msg_init_ns(struct ipc_namespace *ns, struct ipc_ids *ids)

```

```

>> {
>> ns->ids[IPC_MSG_IDS] = ids;
>> ns->msg_ctlmax = MSGMAX;
>> @@ -96,7 +96,6 @@ static void __ipc_init __msg_init_ns(str
>> ipc_init_ids(ids, ns->msg_ctlmni);
>> }
>>
>> #ifdef CONFIG_IPC_NS
>> int msg_init_ns(struct ipc_namespace *ns)
>> {
>> struct ipc_ids *ids;
>> @@ -128,7 +127,6 @@ void msg_exit_ns(struct ipc_namespace *n
>> kfree(ns->ids[IPC_MSG_IDS]);
>> ns->ids[IPC_MSG_IDS] = NULL;
>> }
>> #endif
>>
>> void __init msg_init(void)
>> {
>> Index: 2.6.20-rc4-mm1/ipc/sem.c
>> =====
>> --- 2.6.20-rc4-mm1.orig/ipc/sem.c
>> +++ 2.6.20-rc4-mm1/ipc/sem.c
>> @@ -122,7 +122,7 @@ static int sysvipc_sem_proc_show(struct
>> #define sc_semopm sem_ctls[2]
>> #define sc_semmni sem_ctls[3]
>>
>> -static void __ipc_init __sem_init_ns(struct ipc_namespace *ns, struct ipc_ids *ids)
>> +static void __sem_init_ns(struct ipc_namespace *ns, struct ipc_ids *ids)
>> {
>> ns->ids[IPC_SEM_IDS] = ids;
>> ns->sc_semmni = SEMMSL;
>> @@ -133,7 +133,6 @@ static void __ipc_init __sem_init_ns(str
>> ipc_init_ids(ids, ns->sc_semmni);
>> }
>>
>> #ifdef CONFIG_IPC_NS
>> int sem_init_ns(struct ipc_namespace *ns)
>> {
>> struct ipc_ids *ids;
>> @@ -165,7 +164,6 @@ void sem_exit_ns(struct ipc_namespace *n
>> kfree(ns->ids[IPC_SEM_IDS]);
>> ns->ids[IPC_SEM_IDS] = NULL;
>> }
>> #endif
>>
>> void __init sem_init(void)
>> {

```

```

> > Index: 2.6.20-rc4-mm1/ipc/shm.c
> > =====
> > --- 2.6.20-rc4-mm1.orig/ipc/shm.c
> > +++ 2.6.20-rc4-mm1/ipc/shm.c
> > @@ -67,7 +67,7 @@ static void shm_destroy (struct ipc_name
> > static int sysvipc_shm_proc_show(struct seq_file *s, void *it);
> > #endif
> >
> > -static void __ipc_init __shm_init_ns(struct ipc_namespace *ns, struct ipc_ids *ids)
> > +static void __shm_init_ns(struct ipc_namespace *ns, struct ipc_ids *ids)
> > {
> > ns->ids[IPC_SHM_IDS] = ids;
> > ns->shm_ctlmax = SHMMAX;
> > @@ -88,7 +88,6 @@ static void do_shm_rmid(struct ipc_names
> > shm_destroy(ns, shp);
> > }
> >
> > #ifdef CONFIG_IPC_NS
> > int shm_init_ns(struct ipc_namespace *ns)
> > {
> > struct ipc_ids *ids;
> > @@ -120,7 +119,6 @@ void shm_exit_ns(struct ipc_namespace *n
> > kfree(ns->ids[IPC_SHM_IDS]);
> > ns->ids[IPC_SHM_IDS] = NULL;
> > }
> > #endif
> >
> > void __init shm_init (void)
> > {
> > Index: 2.6.20-rc4-mm1/ipc/util.c
> > =====
> > --- 2.6.20-rc4-mm1.orig/ipc/util.c
> > +++ 2.6.20-rc4-mm1/ipc/util.c
> > @@ -51,7 +51,6 @@ struct ipc_namespace init_ipc_ns = {
> > },
> > };
> >
> > #ifdef CONFIG_IPC_NS
> > static struct ipc_namespace *clone_ipc_ns(struct ipc_namespace *old_ns)
> > {
> > int err;
> > @@ -144,7 +143,6 @@ void free_ipc_ns(struct kref *kref)
> > shm_exit_ns(ns);
> > kfree(ns);
> > }
> > #endif
> >
> > /**

```

```

>> * ipc_init - initialise IPC subsystem
>> @@ -172,7 +170,7 @@ __initcall(ipc_init);
>> * array itself.
>> */
>>
>> -void __ipc_init ipc_init_ids(struct ipc_ids* ids, int size)
>> +void ipc_init_ids(struct ipc_ids* ids, int size)
>> {
>>     int i;
>>
>> Index: 2.6.20-rc4-mm1/ipc/util.h
>> =====
>> --- 2.6.20-rc4-mm1.orig/ipc/util.h
>> +++ 2.6.20-rc4-mm1/ipc/util.h
>> @@ -41,12 +41,8 @@ struct ipc_ids {
>> };
>>
>> struct seq_file;
>> -#ifdef CONFIG_IPC_NS
>> -#define __ipc_init
>> -#else
>> -#define __ipc_init __init
>> -#endif
>> -void __ipc_init ipc_init_ids(struct ipc_ids *ids, int size);
>> +
>> +void ipc_init_ids(struct ipc_ids *ids, int size);
>> #ifdef CONFIG_PROC_FS
>> void __init ipc_init_proc_interface(const char *path, const char *header,
>>     int ids, int (*show)(struct seq_file *, void *));
>> Index: 2.6.20-rc4-mm1/kernel/fork.c
>> =====
>> --- 2.6.20-rc4-mm1.orig/kernel/fork.c
>> +++ 2.6.20-rc4-mm1/kernel/fork.c
>> @@ -1595,16 +1595,6 @@ static int unshare_semundo(unsigned long
>>     return 0;
>> }
>>
>> -#ifndef CONFIG_IPC_NS
>> -static inline int unshare_ipcs(unsigned long flags, struct ipc_namespace **ns)
>> -{
>> - if (flags & CLONE_NEWIPC)
>> - return -EINVAL;
>> -
>> - return 0;
>> -}
>> -#endif
>> -
>> /*

```

> > * unshare allows a process to 'unshare' part of the process
> > * context which was originally shared using clone. copy_*
> > _____
> > Containers mailing list
> > Containers@lists.osdl.org
> > <https://lists.osdl.org/mailman/listinfo/containers>
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> Containers@lists.osdl.org
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