
Subject: Re: [PATCH 4/5] Move the user namespace under the option
Posted by [Cedric Le Goater](#) on Thu, 27 Sep 2007 12:31:32 GMT
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Pavel Emelyanov wrote:

> We currently have a CONFIG_USER_NS option. Just rename it
> into CONFIG_NAMESPACES_EXPERIMENTAL and move the init_user_ns
> into user.c file to make the kernel compile and work without
> the namespaces support.
>
> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

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

Thanks !

C.

> ---
>
> diff --git a/include/linux/user_namespace.h b/include/linux/user_namespace.h
> index b5f41d4..dda160c 100644
> --- a/include/linux/user_namespace.h
> +++ b/include/linux/user_namespace.h
> @@ -17,7 +17,7 @@ struct user_namespace {
>
> extern struct user_namespace init_user_ns;
>
> #ifdef CONFIG_USER_NS
> #ifdef CONFIG_NAMESPACES_EXPERIMENTAL
>
> static inline struct user_namespace *get_user_ns(struct user_namespace *ns)
> {
> diff --git a/init/Kconfig b/init/Kconfig
> index 684ccfb..0db1c3b 100644
> --- a/init/Kconfig
> +++ b/init/Kconfig
> @@ -206,15 +206,6 @@ config TASK_IO_ACCOUNTING
>
> Say N if unsure.
>
> -config USER_NS
> - bool "User Namespaces (EXPERIMENTAL)"
> - default n
> - depends on EXPERIMENTAL
> - help
> - Support user namespaces. This allows containers, i.e.

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> - vservers, to use user namespaces to provide different
> - user info for different servers. If unsure, say N.
> -
> config AUDIT
> bool "Auditing support"
> depends on NET
> diff --git a/kernel/Makefile b/kernel/Makefile
> index 76f782f..5817bfe 100644
> --- a/kernel/Makefile
> +++ b/kernel/Makefile
> @@ -4,7 +4,7 @@
>
> obj-y    = sched.o fork.o exec_domain.o panic.o printk.o profile.o \
>   exit.o itimer.o time.o softirq.o resource.o \
> -   sysctl.o capability.o ptrace.o timer.o user.o user_namespace.o \
> +   sysctl.o capability.o ptrace.o timer.o user.o \
>   signal.o sys.o kmod.o workqueue.o pid.o \
>   rcupdate.o extable.o params.o posix-timers.o \
>   kthread.o wait.o kfifo.o sys_ni.o posix-cpu-timers.o mutex.o \
> @@ -50,6 +49,7 @@ obj-$(CONFIG_AUDITSYSCALL) += auditsc.o
> obj-$(CONFIG_KPROBES) += kprobes.o
> obj-$(CONFIG_KGDB) += kgdb.o
> obj-$(CONFIG_NAMESPACES) += utsname.o
> +obj-$(CONFIG_NAMESPACES_EXPERIMENTAL) += user_namespace.o
> obj-$(CONFIG_SYSFS) += ksysfs.o
> obj-$(CONFIG_DETECT_SOFTLOCKUP) += softlockup.o
> obj-$(CONFIG_GENERIC_HARDIRQS) += irq/
> diff --git a/kernel/user.c b/kernel/user.c
> index b45f55f..d7c0831 100644
> --- a/kernel/user.c
> +++ b/kernel/user.c
> @@ -17,6 +17,15 @@
> #include <linux/module.h>
> #include <linux/user_namespace.h>
>
> +struct user_namespace init_user_ns = {
> + .kref = {
> + .refcount = ATOMIC_INIT(2),
> + },
> + .root_user = &root_user,
> +};
> +
> +EXPORT_SYMBOL_GPL(init_user_ns);
> +
> /*
>  * UID task count cache, to get fast user lookup in "alloc_uid"
>  * when changing user ID's (ie setuid() and friends).
> @@ -199,6 +208,7 @@ void switch_uid(struct user_struct *new_

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>  suid_keys(current);
>  }
>
>  +#ifdef CONFIG_NAMESPACES_EXPERIMENTAL
>  void release_uids(struct user_namespace *ns)
>  {
>    int i;
>    @@ -223,6 +233,7 @@ void release_uids(struct user_namespace
>
>    free_uid(ns->root_user);
>  }
>  +#endif
>
>  static int __init uid_cache_init(void)
>  {
>  diff --git a/kernel/user_namespace.c b/kernel/user_namespace.c
>  index 7af90fc..4c90062 100644
>  --- a/kernel/user_namespace.c
>  +++ b/kernel/user_namespace.c
>  @@ -10,17 +10,6 @@
>  #include <linux/nsproxy.h>
>  #include <linux/user_namespace.h>
>
>  -struct user_namespace init_user_ns = {
>  - .kref = {
>  - .refcount = ATOMIC_INIT(2),
>  - },
>  - .root_user = &root_user,
>  -};
>  -
>  -EXPORT_SYMBOL_GPL(init_user_ns);
>  -
>  -#ifdef CONFIG_USER_NS
>  -
>  /*
>   * Clone a new ns copying an original user ns, setting refcount to 1
>   * @old_ns: namespace to clone
>  @@ -84,5 +73,3 @@ void free_user_ns(struct kref *kref)
>    release_uids(ns);
>    kfree(ns);
>  }
>  -
>  -#endif /* CONFIG_USER_NS */
>
>

```

Containers mailing list

