
Subject: Re: [PATCH -mm] uts namespace : remove CONFIG_UTS_NS

Posted by [Herbert Poetzl](#) on Mon, 22 Jan 2007 22:09:58 GMT

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On Tue, Jan 16, 2007 at 09:27:34AM -0600, Serge E. Hallyn wrote:

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

> > CONFIG_UTS_NS has very little value as it only deactivates the unshare
> > of the uts namespace and does not improve performance.

> >

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

>

> It really is worthless complication, with the sole effect being to
> complicate testing...

we already force that on by default (in Linux-VServer)
and I don't think the code can be considered critical
enough for special casing that ...

so I'm perfectly fine with removing that for UTS

best,
Herbert

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

>

> > ---

> > include/linux/utsname.h | 19 -----

> > init/Kconfig | 8 -----

> > kernel/Makefile | 3 +--

> > kernel/sysctl.c | 3 +--

> > 4 files changed, 2 insertions(+), 31 deletions(-)

> >

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

> > =====

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

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

> > @@ -48,7 +48,6 @@ static inline void get_uts_ns(struct uts

> > kref_get(&ns->kref);

> > }

> >

> > -#ifdef CONFIG_UTS_NS

> > extern int unshare_utsname(unsigned long unshare_flags,

> > struct uts_namespace **new_uts);

> > extern int copy_utsname(int flags, struct task_struct *tsk);

> > @@ -58,24 +57,6 @@ static inline void put_uts_ns(struct uts

> > {

> > kref_put(&ns->kref, free_uts_ns);

> > }

```

>> -#else
>> -static inline int unshare_utsname(unsigned long unshare_flags,
>> - struct uts_namespace **new_uts)
>> -{
>> - if (unshare_flags & CLONE_NEWUTS)
>> - return -EINVAL;
>> -
>> - return 0;
>> -}
>> -
>> -static inline int copy_utsname(int flags, struct task_struct *tsk)
>> -{
>> - return 0;
>> -}
>> -static inline void put_uts_ns(struct uts_namespace *ns)
>> -{
>> -}
>> -#endif
>>
>> static inline struct new_utsname *utsname(void)
>> {
>> Index: 2.6.20-rc4-mm1/init/Kconfig
>> =====
>> --- 2.6.20-rc4-mm1.orig/init/Kconfig
>> +++ 2.6.20-rc4-mm1/init/Kconfig
>> @@ -205,14 +205,6 @@ config TASK_DELAY_ACCT
>>
>> Say N if unsure.
>>
>> -config UTS_NS
>> - bool "UTS Namespaces"
>> - default n
>> - help
>> - Support uts namespaces. This allows containers, i.e.
>> - vservers, to use uts namespaces to provide different
>> - uts info for different servers. If unsure, say N.
>> -
>> config AUDIT
>> bool "Auditing support"
>> depends on NET
>> Index: 2.6.20-rc4-mm1/kernel/Makefile
>> =====
>> --- 2.6.20-rc4-mm1.orig/kernel/Makefile
>> +++ 2.6.20-rc4-mm1/kernel/Makefile
>> @@ -8,7 +8,7 @@ obj-y = sched.o fork.o exec_domain.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 \

```

```

>> - hrtimer.o rwsem.o latency.o nsproxy.o srcu.o
>> + hrtimer.o rwsem.o latency.o nsproxy.o srcu.o utsname.o
>>
>> obj-$(CONFIG_STACKTRACE) += stacktrace.o
>> obj-y += time/
>> @@ -48,7 +48,6 @@ obj-$(CONFIG_SECCOMP) += seccomp.o
>> obj-$(CONFIG_RCU_TORTURE_TEST) += rcutorture.o
>> obj-$(CONFIG_DEBUG_SYNCHRO_TEST) += synchro-test.o
>> obj-$(CONFIG_RELAY) += relay.o
>> -obj-$(CONFIG_UTS_NS) += utsname.o
>> obj-$(CONFIG_TASK_DELAY_ACCT) += delayacct.o
>> obj-$(CONFIG_TASKSTATS) += taskstats.o tsacct.o
>>
>> Index: 2.6.20-rc4-mm1/kernel/sysctl.c
>> =====
>> --- 2.6.20-rc4-mm1.orig/kernel/sysctl.c
>> +++ 2.6.20-rc4-mm1/kernel/sysctl.c
>> @@ -187,10 +187,9 @@ int sysctl_legacy_va_layout;
>> static void *get_uts(ctl_table *table, int write)
>> {
>> char *which = table->data;
>> -#ifdef CONFIG_UTS_NS
>> struct uts_namespace *uts_ns = current->nsproxy->uts_ns;
>> which = (which - (char *)&init_uts_ns) + (char *)uts_ns;
>> -#endif
>> +
>> if (!write)
>> down_read(&uts_sem);
>> else
>>

```

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