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

Posted by [Cedric Le Goater](#) on Tue, 16 Jan 2007 14:28:20 GMT

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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>

```
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
```

Containers mailing list

Containers@lists.osdl.org

<https://lists.osdl.org/mailman/listinfo/containers>
