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
```

_____

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