
Subject: [PATCH 5/7] uts namespaces: sysctl hack
Posted by [serue](#) on Sat, 08 Apr 2006 04:52:07 GMT
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Sysctl uts patch. This clearly will need to be done another way, but since sysctl itself needs to be container aware, 'the right thing' is a separate patchset.

Signed-off-by: Serge E. Hallyn <serue@us.ibm.com>

kernel/sysctl.c | 38 ++++++-----
1 files changed, 28 insertions(+), 10 deletions(-)

280d6a838396d93984159765d4aed499bbd3281c

diff --git a/kernel/sysctl.c b/kernel/sysctl.c

index e82726f..c2b18ef 100644

--- a/kernel/sysctl.c

+++ b/kernel/sysctl.c

@@ -233,8 +233,8 @@ static ctl_table kern_table[] = {

```
{
    .ctl_name = KERN_OSTYPE,
    .procname = "ostype",
-   .data = system_utsname.sysname,
-   .maxlen = sizeof(system_utsname.sysname),
+   .data = init_uts_ns.name.sysname,
+   .maxlen = sizeof(init_uts_ns.name.sysname),
    .mode = 0444,
    .proc_handler = &proc_doutsstring,
    .strategy = &sysctl_string,
```

@@ -242,8 +242,8 @@ static ctl_table kern_table[] = {

```
{
    .ctl_name = KERN_OSRELEASE,
    .procname = "osrelease",
-   .data = system_utsname.release,
-   .maxlen = sizeof(system_utsname.release),
+   .data = init_uts_ns.name.release,
+   .maxlen = sizeof(init_uts_ns.name.release),
    .mode = 0444,
    .proc_handler = &proc_doutsstring,
    .strategy = &sysctl_string,
```

@@ -251,8 +251,8 @@ static ctl_table kern_table[] = {

```
{
    .ctl_name = KERN_VERSION,
    .procname = "version",
-   .data = system_utsname.version,
-   .maxlen = sizeof(system_utsname.version),
```

```

+ .data = init_uts_ns.name.version,
+ .maxlen = sizeof(init_uts_ns.name.version),
+ .mode = 0444,
+ .proc_handler = &proc_doutsstring,
+ .strategy = &sysctl_string,
@@ -260,8 +260,8 @@ static ctl_table kern_table[] = {
{
+ .ctl_name = KERN_NODENAME,
+ .procname = "hostname",
- .data = system_utsname.nodename,
- .maxlen = sizeof(system_utsname.nodename),
+ .data = init_uts_ns.name.nodename,
+ .maxlen = sizeof(init_uts_ns.name.nodename),
+ .mode = 0644,
+ .proc_handler = &proc_doutsstring,
+ .strategy = &sysctl_string,
@@ -269,8 +269,8 @@ static ctl_table kern_table[] = {
{
+ .ctl_name = KERN_DOMAINNAME,
+ .procname = "domainname",
- .data = system_utsname.domainname,
- .maxlen = sizeof(system_utsname.domainname),
+ .data = init_uts_ns.name.domainname,
+ .maxlen = sizeof(init_uts_ns.name.domainname),
+ .mode = 0644,
+ .proc_handler = &proc_doutsstring,
+ .strategy = &sysctl_string,
@@ -1619,6 +1619,24 @@ static int proc_doutsstring(ctl_table *t
{
+ int r;

+ switch (table->ctl_name) {
+ case KERN_OSTYPE:
+ table->data = utsname()->sysname;
+ break;
+ case KERN_OSRELEASE:
+ table->data = utsname()->release;
+ break;
+ case KERN_VERSION:
+ table->data = utsname()->version;
+ break;
+ case KERN_NODENAME:
+ table->data = utsname()->nodename;
+ break;
+ case KERN_DOMAINNAME:
+ table->data = utsname()->domainname;
+ break;
+ }

```

```
+
if (!write) {
    down_read(&uts_sem);
    r=proc_dosttring(table,0,filp,buffer,lenp, ppos);
--
```

1.2.4
