
Subject: [PATCH 57/59] sysctl: allow sysctl_perm to be called from outside of sysctl.c

Posted by [ebiederm](#) on Tue, 16 Jan 2007 16:40:02 GMT

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From: Eric W. Biederman <ebiederm@xmission.com> - unquoted

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include/linux/sysctl.h | 2 ++
kernel/sysctl.c | 10 ++++++-----
2 files changed, 7 insertions(+), 5 deletions(-)

diff --git a/include/linux/sysctl.h b/include/linux/sysctl.h

index 81ee9ea..20c23b5 100644

--- a/include/linux/sysctl.h
+++ b/include/linux/sysctl.h
@@ -924,8 +924,10 @@ enum
#include <linux/list.h>

```
/* For the /proc/sys support */  
+struct ctl_table;  
extern struct ctl_table_header *sysctl_head_next(struct ctl_table_header *prev);  
extern void sysctl_head_finish(struct ctl_table_header *prev);  
+extern int sysctl_perm(struct ctl_table *table, int op);  
  
extern void sysctl_init(void);
```

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

index ca2831a..ec5e4a1 100644

--- a/kernel/sysctl.c
+++ b/kernel/sysctl.c
@@ -1154,7 +1154,7 @@ asmlinkage long sys_sysctl(struct __sysctl_args __user *args)
#endif /* CONFIG_SYSCTL_SYSCALL */

```
/*  
- * ctl_perm does NOT grant the superuser all rights automatically, because  
+ * sysctl_perm does NOT grant the superuser all rights automatically, because  
* some sysctl variables are readonly even to root.  
*/
```

```
@@ -1169,7 +1169,7 @@ static int test_perm(int mode, int op)  
return -EACCES;  
}
```

```
-static inline int ctl_perm(ctl_table *table, int op)  
+int sysctl_perm(ctl_table *table, int op)  
{
```

```

int error;
error = security_sysctl(table, op);
@@ -1196,7 +1196,7 @@ repeat:
    if (n == table->ctl_name) {
        int error;
        if (table->child) {
-       if (ctl_perm(table, 001))
+       if (sysctl_perm(table, 001))
            return -EPERM;
            name++;
            nlen--;
@@ -1225,7 +1225,7 @@ int do_sysctl_strategy (ctl_table *table,
    op |= 004;
    if (newval)
        op |= 002;
-   if (ctl_perm(table, op))
+   if (sysctl_perm(table, op))
        return -EPERM;

    if (table->strategy) {
@@ -1495,7 +1495,7 @@ static ssize_t do_rw_proc(int write, struct file * file, char __user * buf,
    goto out;
    error = -EPERM;
    op = (write ? 002 : 004);
-   if (ctl_perm(table, op))
+   if (sysctl_perm(table, op))
        goto out;

    /* careful: calling conventions are nasty here */
--
1.4.4.1.g278f

```

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