
Subject: [PATCH 01/11] SYSCTL: export root and set handling routines
Posted by [Stanislav Kinsbursky](#) on Wed, 14 Dec 2011 10:47:33 GMT
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These routines are required for making SUNRPC sysctl's per network namespace context.

Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>

```
include/linux/sysctl.h | 1 +
kernel/sysctl.c        | 11 ++++++++
2 files changed, 12 insertions(+), 0 deletions(-)
```

```
diff --git a/include/linux/sysctl.h b/include/linux/sysctl.h
index 703cfa3..be586a9 100644
```

```
--- a/include/linux/sysctl.h
+++ b/include/linux/sysctl.h
@@ -1084,6 +1084,7 @@ struct ctl_path {
};
```

```
void register_sysctl_root(struct ctl_table_root *root);
+void unregister_sysctl_root(struct ctl_table_root *root);
struct ctl_table_header *__register_sysctl_paths(
    struct ctl_table_root *root, struct nsproxy *namespaces,
    const struct ctl_path *path, struct ctl_table *table);
```

```
diff --git a/kernel/sysctl.c b/kernel/sysctl.c
index ae27196..fb016a9 100644
```

```
--- a/kernel/sysctl.c
+++ b/kernel/sysctl.c
@@ -1700,6 +1700,15 @@ void register_sysctl_root(struct ctl_table_root *root)
    list_add_tail(&root->root_list, &sysctl_table_root.root_list);
    spin_unlock(&sysctl_lock);
}
+EXPORT_SYMBOL_GPL(register_sysctl_root);
+
+void unregister_sysctl_root(struct ctl_table_root *root)
+{
+    spin_lock(&sysctl_lock);
+    list_del(&root->root_list);
+    spin_unlock(&sysctl_lock);
+}
+EXPORT_SYMBOL_GPL(unregister_sysctl_root);
```

```
/*
 * sysctl_perm does NOT grant the superuser all rights automatically, because
@@ -1925,6 +1934,7 @@ struct ctl_table_header *__register_sysctl_paths(
```

```

    return header;
}
+EXPORT_SYMBOL_GPL(__register_sysctl_paths);

/**
 * register_sysctl_table_path - register a sysctl table hierarchy
@@ -2007,6 +2017,7 @@ void setup_sysctl_set(struct ctl_table_set *p,
    p->parent = parent ? parent : &sysctl_table_root.default_set;
    p->is_seen = is_seen;
}
+EXPORT_SYMBOL_GPL(setup_sysctl_set);

#else /* !CONFIG_SYSCTL */
struct ctl_table_header *register_sysctl_table(struct ctl_table * table)

```
