
Subject: [PATCH 6/7][MQQUEUE] Move sysctl management code under ifdef CONFIG_SYSCTL

Posted by [Pavel Emelianov](#) on Fri, 30 Nov 2007 13:16:29 GMT

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This includes the tables, the mq_sysctl_table ctl header and calls to register/unregister.

Just like with the quota patch, I hope this is OK to keep the ifdefs inside the __init function, rather than making handlers and stubs outside it.

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```
diff --git a/ipc/mqueue.c b/ipc/mqueue.c
index 7d1b8aa..9ff4abf 100644
--- a/ipc/mqueue.c
+++ b/ipc/mqueue.c
@@ -94,8 +94,6 @@ static unsigned int queues_max = DFLT_QUEUESMAX;
 static unsigned int msg_max = DFLT_MSGMAX;
 static unsigned int msgsize_max = DFLT_MSGSIZEMAX;

-static struct ctl_table_header * mq_sysctl_table;
-
 static inline struct mqueue_inode_info *MQQUEUE_I(struct inode *inode)
 {
     return container_of(inode, struct mqueue_inode_info, vfs_inode);
@@ -1201,6 +1199,7 @@ static int msg_max_limit_max = HARD_MSGMAX;
 static int msg_maxsize_limit_min = DFLT_MSGSIZEMAX;
 static int msg_maxsize_limit_max = INT_MAX;

+#ifdef CONFIG_SYSCTL
 static ctl_table mq_sysctls[] = {
 {
     .procname = "queues_max",
@@ -1249,6 +1248,9 @@ static ctl_table mq_sysctl_root[] = {
 { .ctl_name = 0 }
 };

+static struct ctl_table_header *mq_sysctl_table;
+#endif
+
 static int __init init_mqueue_fs(void)
 {
     int error;
@@ -1258,10 +1260,10 @@ static int __init init_mqueue_fs(void)
```

```

    SLAB_HWCACHE_ALIGN, init_once);
if (mqueue_inode_cachep == NULL)
    return -ENOMEM;
-
+#ifdef CONFIG_SYSCTL
/* ignore failues - they are not fatal */
mq_sysctl_table = register_sysctl_table(mq_sysctl_root);
-
+#endif
error = register_filesystem(&mqueue_fs_type);
if (error)
    goto out_sysctl;
@@ -1280,8 +1282,10 @@ static int __init init_mqueue_fs(void)
out_filesystem:
    unregister_filesystem(&mqueue_fs_type);
out_sysctl:
+#ifdef CONFIG_SYSCTL
    if (mq_sysctl_table)
        unregister_sysctl_table(mq_sysctl_table);
+#endif
    kmem_cache_destroy(mqueue_inode_cachep);
    return error;
}

```

1.5.3.4
