
Subject: Re: [PATCH 1/7][QUOTA] Move sysctl management code under ifdef CONFIG_SYSCTL

Posted by [akpm](#) on Mon, 03 Dec 2007 21:38:44 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Fri, 30 Nov 2007 16:02:50 +0300

Pavel Emelyanov <xemul@openvz.org> wrote:

```
> This includes the tables themselves and the call to the
> register_sysctl_table(). Since this call is done from the __init
> call, I hope this is OK to keep the #ifdef inside the function,
> rather than making proper helpers outside it.
>
> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>
>
> ---
>
> diff --git a/fs/dquot.c b/fs/dquot.c
> index 50e7c2a..efee14d 100644
> --- a/fs/dquot.c
> +++ b/fs/dquot.c
> @@ -1821,6 +1821,7 @@ struct quotactl_ops vfs_quotactl_ops = {
>  .set_dqblk = vfs_set_dqblk
> };
>
> +#ifdef CONFIG_SYSCTL
> static ctl_table fs_dqstats_table[] = {
>  {
>  .ctl_name = FS_DQ_LOOKUPS,
> @@ -1918,6 +1919,7 @@ static ctl_table sys_table[] = {
>  },
>  { .ctl_name = 0 },
> };
> +#endif
>
> static int __init dquot_init(void)
> {
> @@ -1926,7 +1928,9 @@ static int __init dquot_init(void)
>
>  printk(KERN_NOTICE "VFS: Disk quotas %s\n", __DQUOT_VERSION__);
>
> +#ifdef CONFIG_SYSCTL
>  register_sysctl_table(sys_table);
> +#endif
>
>  dquot_cachep = kmem_cache_create("dquot",
>    sizeof(struct dquot), sizeof(unsigned long) * 4,
```

We should avoid the ifdefs around the `register_sysctl_table()` call.

At present the `!CONFIG_SYSCTL` implementation of `register_sysctl_table()` is a non-inlined NULL-returning stub. All we have to do is to inline that stub then these ifdefs can go away.

The same applies to `register_sysctl_paths()`.

If that's all agreeable then there isn't a lot of point in me merging these seven patches.

btw, administrivia detail: please don't put the patch's subsystem identifier in []. IOW, this:

Subject: [PATCH 1/7][QUOTA] Move sysctl management code under `ifdef CONFIG_SYSCTL`
should have been

Subject: [PATCH 1/7] quota: move sysctl management code under `ifdef CONFIG_SYSCTL`
for reasons described in section 2 of
<http://www.zip.com.au/~akpm/linux/patches/stuff/tpp.txt>.

Thanks.
