Subject: Re: [PATCH 1/7][QUOTA] Move sysctl management code under ifdef CONFIG_SYSCTL
Posted by Pavel Emelianov on Tue, 04 Dec 2007 08:58:30 GMT
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Andrew Morton wrote:
> 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.

What if some code checks for the return value to be not-NULL? In case
CONFIG_SYSCTL=n this code will always think, that the registration failed.

> 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.

OK. I saw people marking subsystems in this way in netdev tree and
though it was a common practice.

> Thanks.

Thanks,
Pavel