
Subject: [PATCH] reject '
' in a cgroup name

Posted by [yamamoto](#) on Thu, 24 Jan 2008 05:20:49 GMT

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hi,

the following patch rejects '\n' in a cgroup name.
otherwise /proc/\$\$/cgroup is not parsable.

example:

```
imawoto% cat /proc/$$/cgroup
memory:/
imawoto% mkdir -p "
memory:/foo"
imawoto% echo $$ >| "
memory:/foo/tasks"
imawoto% cat /proc/$$/cgroup
memory:/
memory:/foo
imawoto%
```

YAMAMOTO Takashi

Signed-off-by: YAMAMOTO Takashi <yamamoto@valinux.co.jp>

--- linux-2.6.24-rc8-mm1/kernel/cgroup.c.BACKUP 2008-01-23 14:43:29.000000000 +0900

+++ linux-2.6.24-rc8-mm1/kernel/cgroup.c 2008-01-24 13:56:28.000000000 +0900

```
@ @ -2216,6 +2216,10 @ @ static long cgroup_create(struct cgroup
struct cgroup_subsys *ss;
struct super_block *sb = root->sb;
```

```
+ /* reject a newline. otherwise /proc/$$/cgroup is not parsable. */
+ if (strchr(dentry->d_name.name, '\n'))
+ return -EINVAL;
+
+ cgrp = kzalloc(sizeof(*cgrp), GFP_KERNEL);
+ if (!cgrp)
+ return -ENOMEM;
```

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>

Subject: Re: [PATCH] reject '

' in a cgroup name

Posted by [Paul Menage](#) on Mon, 28 Jan 2008 07:49:04 GMT

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Looks sensible - maybe we should ban all characters not in [a-zA-Z0-9._-] ?

Paul

On Jan 23, 2008 9:20 PM, YAMAMOTO Takashi <yamamoto@valinux.co.jp> wrote:

> hi,

>

> the following patch rejects '\n' in a cgroup name.

> otherwise /proc/\$\$/cgroup is not parsable.

>

> example:

> imawoto% cat /proc/\$\$/cgroup

> memory:/

> imawoto% mkdir -p "

> memory:/foo"

> imawoto% echo \$\$ >| "

> memory:/foo/tasks"

> imawoto% cat /proc/\$\$/cgroup

> memory:/

> memory:/foo

> imawoto%

>

> YAMAMOTO Takashi

>

>

> Signed-off-by: YAMAMOTO Takashi <yamamoto@valinux.co.jp>

> ---

>

> --- linux-2.6.24-rc8-mm1/kernel/cgroup.c.BACKUP 2008-01-23 14:43:29.000000000 +0900

> +++ linux-2.6.24-rc8-mm1/kernel/cgroup.c 2008-01-24 13:56:28.000000000 +0900

> @@ -2216,6 +2216,10 @@ static long cgroup_create(struct cgroup

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> + return -EINVAL;

> +

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> if (!cgrp)

> return -ENOMEM;

>

> --

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Subject: Re: [PATCH] reject '
' in a cgroup name
Posted by [KAMEZAWA Hiroyuki](#) on Wed, 30 Jan 2008 01:32:15 GMT
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On Sun, 27 Jan 2008 23:49:04 -0800
"Paul Menage" <menage@google.com> wrote:

> Looks sensible - maybe we should ban all characters not in [a-zA-Z0-9._-] ?
>
Hmm, ' ' (white space) please.

but it seems that the cgroup rejects multibyte charactor names.
(I myself don't like it but..)

So, please add a section for 'acceptable names for cgroup' to cgroup
documentation.

Thanks,
-Kame

> Paul
>
> On Jan 23, 2008 9:20 PM, YAMAMOTO Takashi <yamamoto@valinux.co.jp> wrote:
> > hi,
> >
> > the following patch rejects '\n' in a cgroup name.
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> > example:
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> > memory:/foo/tasks"
> > imawoto% cat /proc/\$\$/cgroup

```

> >     memory:/
> >     memory:/foo
> >     imawoto%
> >
> > YAMAMOTO Takashi
> >
> >
> > Signed-off-by: YAMAMOTO Takashi <yamamoto@valinux.co.jp>
> > ---
> >
> > --- linux-2.6.24-rc8-mm1/kernel/cgroup.c.BACKUP 2008-01-23 14:43:29.000000000 +0900
> > +++ linux-2.6.24-rc8-mm1/kernel/cgroup.c      2008-01-24 13:56:28.000000000 +0900
> > @@ -2216,6 +2216,10 @@ static long cgroup_create(struct cgroup
> >     struct cgroup_subsys *ss;
> >     struct super_block *sb = root->sb;
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> > +     /* reject a newline.  otherwise /proc/$$/cgroup is not parsable. */
> > +     if (strchr(dentry->d_name.name, '\n'))
> > +         return -EINVAL;
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> >     cgrp = kzalloc(sizeof(*cgrp), GFP_KERNEL);
> >     if (!cgrp)
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> Don't email: <a href=mailto:"dont@kvack.org"> email@kvack.org </a>

```

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