

---

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

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

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

---

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](mailto: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](mailto: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

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

---

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/$$/cgroup is not parseable.  
>  
> example:  
>     imawoto% cat /proc/$$/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 parseable. */  
> + if (strchr(dentry->d_name.name, '\n'))  
> +     return -EINVAL;  
> +  
>     cgrp = kzalloc(sizeof(*cgrp), GFP_KERNEL);  
>     if (!cgrp)  
>         return -ENOMEM;  
>  
> --  
> To unsubscribe, send a message with 'unsubscribe linux-mm' in
```

> the body to majordomo@kvack.org. For more info on Linux MM,  
> see: <http://www.linux-mm.org/> .  
> Don't email: <a href=mailto:"dont@kvack.org"> email@kvack.org </a>  
>

---

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 [KAMEZAWA Hiroyuki](#) on Wed, 30 Jan 2008 01:32:15 GMT

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

---

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 character 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.  
> > 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;  

> >  

> > --  

> > To unsubscribe, send a message with 'unsubscribe linux-mm' in  

> > the body to majordomo@kvack.org. For more info on Linux MM,  

> > see: http://www.linux-mm.org/ .  

> > Don't email: <a href="mailto:dont@kvack.org"> email@kvack.org </a>  

> >  

>  

> --  

> To unsubscribe, send a message with 'unsubscribe linux-mm' in  

> the body to majordomo@kvack.org. For more info on Linux MM,  

> see: http://www.linux-mm.org/ .  

> Don't email: <a href="mailto:dont@kvack.org"> email@kvack.org </a>  

>

```

---

Containers mailing list  
 Containers@lists.linux-foundation.org  
<https://lists.linux-foundation.org/mailman/listinfo/containers>

---