
Subject: Re: [PATCH][DOCUMENTATION] Minimal controller code for a quick start
Posted by [Pavel Emelianov](#) on Fri, 08 Feb 2008 08:09:09 GMT

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Paul Menage wrote:

> On Feb 7, 2008 7:37 AM, Pavel Emelyanov <xemul@openvz.org> wrote:

>> The Documentation/cgroups.txt file contains the info on how
>> to write some controller for cgroups subsystem, but even with
>> this, one need to write quite a lot of code before developing
>> the core (or copy-n-paste it from some other place).

>

> Good idea.

>

>> +

>> +static ssize_t foo_bar_read(struct cgroup *cg, struct cftype *cft,
>> + struct file *file, char __user *userbuf,
>> + size_t nbytes, loff_t *ppos)

>> +{

>> + struct foo_cgroup *foo;

>> +

>> + foo = foo_from_cgroup(cg);

>> +

>> + /*

>> + * produce some output

>> + */

>> +

>> + return nbytes;

>> +}

>> +

>> +static ssize_t foo_bar_write(struct cgroup *cg, struct cftype *cft,
>> + struct file *file, const char __user *userbuf,
>> + size_t nbytes, loff_t *ppos)

>> +{

>> + struct foo_cgroup *foo;

>> +

>> + foo = foo_from_cgroup(cg);

>> +

>> + /*

>> + * read and tune the foo

>> + */

>> +

>> + return nbytes;

>> +}

>> +

>> +static struct cftype foo_files[] = {

>> + {

>> + .name = "bar",

>> + .read = foo_bar_read,

```
>> +         .write = foo_bar_write,  
>> +     },  
>> +};  
>
```

> Can you structure this example so as to encourage people to use the
> more formatted read/write routines, such as read_int64 and
> write_int64?

And one more for ->read_strategy hints :) Well, I thought that
it should be the _minimal_ controller.

```
>> +  
>> +static struct cgroup_subsys_state *foo_create(struct cgroup_subsys *cs,  
>> +         struct cgroup *cg)  
>> +{  
>> +     struct foo_cgroup *foo;  
>> +  
>  
> Maybe add a comment here that mentions that if your cgroup needs very  
> early initialization, you can check for cg->parent being NULL, and  
> return a statically-constructed structure here. (And set  
> foo_subsys.early_init = 1)
```

Yet again - this is rather a special feature, that your controller
needs an early initialization - for a very minimal one this is not
required.

Maybe we can have two examples? One is the minimal one and the other
is an advanced one with ->attach callbacks, etc?

> Paul
>

Containers mailing list
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