Subject: Re: [PATCH 1/3] Add the trigger callback to struct cftype
Posted by Paul Menage on Thu, 13 Mar 2008 12:19:04 GMT

On Thu, Mar 13, 2008 at 4:36 AM, Pavel Emelyanov <xemul@openvz.org> wrote:
> Trigger callback can be used to receive a kick-up from the
> user space. The string written is ignored.
>
> The cftype->private is used for multiplexing events.
>
> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

Acked-by: Paul Menage <menage@google.com>

I'm not sure about the behaviour of passing cft->private rather than
just cft, but we can always change that later if it turns that some
user needs the cft pointer for some other reason.

Paul

>
> ---
>   include/linux/cgroup.h | 8 ++++++++
>   kernel/cgroup.c | 4 ++++
>   2 files changed, 12 insertions(+), 0 deletions(-)
>
> diff --git a/include/linux/cgroup.h b/include/linux/cgroup.h
> index 785a01c..2d1d151 100644
> --- a/include/linux/cgroup.h
> +++ b/include/linux/cgroup.h
> @@ -243,6 +243,14 @@ struct cftype {
>   */
>   int (*write_s64) (struct cgroup *cgrp, struct cftype *cft, s64 val);
>
> +   /*
> +   * trigger() callback can be used to get some kick from the
> +   * userspace, when the actual string written is not important
> +   * at all. The private field can be used to determine the
> +   * kick type for multiplexing.
> +   */
> +   int (*trigger)(struct cgroup *cgrp, unsigned int event);
> +
>   int (*release) (struct inode *inode, struct file *file);
>   };
>
> diff --git a/kernel/cgroup.c b/kernel/cgroup.c
> index e8e8ec4..f2d8f25 100644
> --- a/kernel/cgroup.c

```
> +++ b/kernel/cgroup.c
> @@ -1410,6 +1410,10 @@ static ssize_t cgroup_file_write(struct file *file, const char __user
*buf,
>             return cft->write(cgrp, cft, file, buf, nbytes, ppos);
>       if (cft->write_u64 || cft->write_s64)
>             return cgroup_write_X64(cgrp, cft, file, buf, nbytes, ppos);
> +     if (cft->trigger) {
> +           int ret = cft->trigger(cgrp, (unsigned int)cft->private);
> +           return ret ? ret : nbytes;
> +     }
>       return -EINVAL;
> }
>
> --
> 1.5.3.4
>
>
```

_____