
Subject: Re: [RFC][PATCH 7/7] CGroup API: Update cpusets to use cgroup structured file API

Posted by [Paul Jackson](#) on Sun, 17 Feb 2008 03:29:01 GMT

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Ok ... this would (I suspect, just from code reading, no bytes were harmed in actual testing of this) have a minor change to how white space is handled writing integer flags to cpuset files, and a minor inconsistency.

1) Existing cpuset code lets you set a flag (e.g. `cpu_exclusive`) by doing:
`echo '1 rumplestiltskin' > cpu_exclusive` # same as: `echo 1 > cpu_exclusive`
With this patch, that probably fails, `EINVAL`.

2) With this patch, one can write "1" or "1\n" to cpuset integer files, but one cannot successfully write "1\r\n" or "1 " or "1 \n". However, for the cpuset control files that take strings, not single integers, one -can- have any mix of trailing white space.

So far as I know, I have no requirement to write `rumplestiltskin` to cpuset files ;). So I'm content to let the minor change in (1) pass without further comment.

I'd like to recommend consideration of the following patch, to address the minor inconsistency of (2), and to save a few bytes of kernel text space.

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From: Paul Jackson <pj@sgi.com>

Strip all trailing whitespace (such as carriage returns) when parsing integer writes to cgroup files, not just one trailing newline if present.

Signed-off-by: Paul Jackson <pj@sgi.com>
Cc: Paul Menage <menage@google.com>

kernel/cgroup.c | 5 +----
1 file changed, 1 insertion(+), 4 deletions(-)

--- 2.6.24-mm1.orig/kernel/cgroup.c 2008-02-16 04:20:33.000000000 -0800
+++ 2.6.24-mm1/kernel/cgroup.c 2008-02-16 19:00:41.207478218 -0800
@@ -1321,10 +1321,7 @@ static ssize_t cgroup_write_uint(struct
return -EFAULT;

buffer[nbytes] = 0; /* nul-terminate */
-
- /* strip newline if necessary */

```
- if (nbytes && (buffer[nbytes-1] == '\n'))
- buffer[nbytes-1] = 0;
+ stripslashes(buffer); /* strip -just- trailing whitespace */
  val = simple_strtoul(buffer, &end, 0);
  if (*end)
    return -EINVAL;
```

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I won't rest till it's the best ...
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