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

Posted by [Balbir Singh](#) on Mon, 18 Feb 2008 11:56:25 GMT

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\* Balbir Singh <balbir@linux.vnet.ibm.com> [2008-02-18 17:23:42]:

> Andreas Schwab wrote:

> > Balbir Singh <balbir@linux.vnet.ibm.com> writes:

> >

> >> @@ -238,7 +238,7 @@ rmdir() if there are no tasks.

> >> The type of memory accounted by the cgroup can be limited to just

> >> mapped pages by writing "1" to memory.control\_type field

> >>

> >> -echo -n 1 > memory.control\_type

> >> +echo > memory.control\_type

> >

> > Looks like you stripped too much here.

> >

> > Andreas.

> >

>

Yikes,

The control type feature documentation needs to go away and Li has a patch for it, so I'll not touch that part. Here's the updated patch. Thanks for catching this Andreas.

The memory controller has a requirement that while writing values, we need to use echo -n. This patch fixes the problem and makes the UI more consistent.

Signed-off-by: Balbir Singh <balbir@linux.vnet.ibm.com>

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Documentation/controllers/memory.txt | 6 +++---

kernel/res\_counter.c | 1 +

2 files changed, 4 insertions(+), 3 deletions(-)

diff -puN mm/memcontrol.c~memory-controller-fix-crlf-echo-issue mm/memcontrol.c

diff -puN kernel/res\_counter.c~memory-controller-fix-crlf-echo-issue kernel/res\_counter.c

--- linux-2.6.25-rc2/kernel/res\_counter.c~memory-controller-fix-crlf-echo-issue 2008-02-18 16:15:02.000000000 +0530

+++ linux-2.6.25-rc2-balbir/kernel/res\_counter.c 2008-02-18 16:16:16.000000000 +0530

@@ -113,6 +113,7 @@ ssize\_t res\_counter\_write(struct res\_cou

```
ret = -EINVAL;
```

```
+ stripslashes(buf);
```

```
if (write_strategy) {
    if (write_strategy(buf, &tmp)) {
        goto out_free;
    }
}
diff -puN Documentation/controllers/memory.txt~memory-controller-fix-crlf-echo-issue
Documentation/controllers/memory.txt
---
```

```
linux-2.6.25-rc2/Documentation/controllers/memory.txt~memory-controller-fix-crlf-echo-issue 2008
-02-18 16:18:26.000000000 +0530
+++ linux-2.6.25-rc2-balbir/Documentation/controllers/memory.txt 2008-02-18
17:24:48.000000000 +0530
@@ -164,7 +164,7 @@ c. Enable CONFIG_CGROUP_MEM_CONT
```

Since now we're in the 0 cgroup,  
We can alter the memory limit:  
-# echo -n 4M > /cgroups/0/memory.limit\_in\_bytes  
+# echo 4M > /cgroups/0/memory.limit\_in\_bytes

NOTE: We can use a suffix (k, K, m, M, g or G) to indicate values in kilo,  
mega or gigabytes.  
@@ -185,7 +185,7 @@ number of factors, such as rounding up t  
availability of memory on the system. The user is required to re-read  
this file after a write to guarantee the value committed by the kernel.

```
-# echo -n 1 > memory.limit_in_bytes
+# echo 1 > memory.limit_in_bytes
# cat memory.limit_in_bytes
4096 Bytes
```

@@ -197,7 +197,7 @@ caches, RSS and Active pages/Inactive pa

The memory.force\_empty gives an interface to drop \*all\* charges by force.

```
-# echo -n 1 > memory.force_empty
+# echo 1 > memory.force_empty
```

will drop all charges in cgroup. Currently, this is maintained for test.

—

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Warm Regards,  
Balbir Singh  
Linux Technology Center  
IBM, ISTL

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

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