
Subject: Re: [RFC][PATCH 7/7] CGroup API: Update cpusets 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>

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 @@ ssizet res_counter_write(struct res_cou

    ret = -EINVAL;

+    strcpy(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

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