Subject: [PATCH 2/2] CGroups _s64 files: Use read_s64/write_s64 in CFS cgroup for rt_runtime file
Posted by Paul Menage on Wed, 05 Mar 2008 10:20:27 GMT
View Forum Message <> Reply to Message

This removes some filesystem boilerplate from the CFS cgroup subsystem.

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

---
 kernel/sched.c | 52 +++++++++++--
 1 file changed, 9 insertions(+), 43 deletions(-)

Index: read_s64-2.6.25-rc3-mm1/kernel/sched.c
===
--- read_s64-2.6.25-rc3-mm1.orig/kernel/sched.c
+++ read_s64-2.6.25-rc3-mm1/kernel/sched.c
@@ -8081,48 +8081,14 @@ static u64 cpu_shares_read_u64(struct cg

 #ifdef CONFIG_RT_GROUP_SCHED
 static int cpu_rt_runtime_write(struct cgroup *cgrp, struct cftype *cft,
-    struct file *file,
-    const char __user *userbuf,
-    size_t nbytes, loff_t *unused_ppos)
-{
- char buffer[64];
- int retval = 0;
- s64 val;
- char *end;
-
- if (!nbytes)
- return -EINVAL;
- if (nbytes >= sizeof(buffer))
- return -E2BIG;
- if (copy_from_user(buffer, userbuf, nbytes))
- return -EFAULT;
-
- buffer[nbytes] = 0;   /* nul-terminate */
-
- /* strip newline if necessary */
- if (nbytes && (buffer[nbytes-1] == '\n'))
- buffer[nbytes-1] = 0;
- val = simple_strtoll(buffer, &end, 0);
- if (*end)
- return -EINVAL;
-
- /* Pass to subsystem */
- retval = sched_group_set_rt_runtime(cgroup_tg(cgrp), val);

```
- if (!retval)
-  retval = nbytes;
- return retval;
-}
-
-static ssize_t cpu_rt_runtime_read(struct cgroup *cgrp, struct cftype *cft,
-       struct file *file,
-       char __user *buf, size_t nbytes,
-       loff_t *ppos)
-{
- char tmp[64];
- long val = sched_group_rt_runtime(cgroup_tg(cgrp));
- int len = sprintf(tmp, "%ld\n", val);
+    s64 val)
+{
+ return sched_group_set_rt_runtime(cgroup_tg(cgrp), val);
+}

- return simple_read_from_buffer(buf, nbytes, ppos, tmp, len);
+static s64 cpu_rt_runtime_read(struct cgroup *cgrp, struct cftype *cft)
+{
+ return sched_group_rt_runtime(cgroup_tg(cgrp));
 }
 #endif

@@ -8137,8 +8103,8 @@ static struct cftype cpu_files[] = {
 #ifdef CONFIG_RT_GROUP_SCHED
  {
   .name = "rt_runtime_us",
-  .read = cpu_rt_runtime_read,
-  .write = cpu_rt_runtime_write,
+  .read_s64 = cpu_rt_runtime_read,
+  .write_s64 = cpu_rt_runtime_write,
  },
 #endif
 };

--
```

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