
Subject: [PATCH 4/8] CGroup Files: Move notify_on_release file to separate write handler

Posted by [Paul Menage](#) on Fri, 20 Jun 2008 23:44:02 GMT

[View Forum Message](#) <> [Reply to Message](#)

This patch moves the write handler for the cgroups notify_on_release file into a separate handler. This handler requires no cgroups locking since it relies on atomic bitops for synchronization.

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

kernel/cgroup.c | 21 ++++++-----
1 file changed, 13 insertions(+), 8 deletions(-)

Index: cws-2.6.26-rc5-mm3/kernel/cgroup.c

```
=====
--- cws-2.6.26-rc5-mm3.orig/kernel/cgroup.c
+++ cws-2.6.26-rc5-mm3/kernel/cgroup.c
@@ -1471,13 +1471,6 @@ static ssize_t cgroup_common_file_write(
    case FILE_TASKLIST:
        retval = attach_task_by_pid(cgrp, buffer);
        break;
- case FILE_NOTIFY_ON_RELEASE:
-     clear_bit(CGRP_RELEASEABLE, &cgrp->flags);
-     if (simple_strtoul(buffer, NULL, 10) != 0)
-         set_bit(CGRP_NOTIFY_ON_RELEASE, &cgrp->flags);
-     else
-         clear_bit(CGRP_NOTIFY_ON_RELEASE, &cgrp->flags);
-     break;
    default:
        retval = -EINVAL;
        goto out2;
@@ -2248,6 +2241,18 @@ static u64 cgroup_read_notify_on_release
    return notify_on_release(cgrp);
}

+static int cgroup_write_notify_on_release(struct cgroup *cgrp,
+    struct cftype *cft,
+    u64 val)
+{
+    clear_bit(CGRP_RELEASEABLE, &cgrp->flags);
+    if (val)
+        set_bit(CGRP_NOTIFY_ON_RELEASE, &cgrp->flags);
+    else
+        clear_bit(CGRP_NOTIFY_ON_RELEASE, &cgrp->flags);
+    return 0;
+}
```

```
+  
/*  
 * for the common functions, 'private' gives the type of file  
 */  
@@ -2264,7 +2269,7 @@ static struct cftype files[] = {  
{  
    .name = "notify_on_release",  
    .read_u64 = cgroup_read_notify_on_release,  
-   .write = cgroup_common_file_write,  
+   .write_u64 = cgroup_write_notify_on_release,  
    .private = FILE_NOTIFY_ON_RELEASE,  
},  
};
```

--

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