

---

Subject: [PATCH 2/7] cgroup: fix comments  
Posted by [Li Zefan](#) on Mon, 18 Feb 2008 05:49:44 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

fix:  
- comments about need\_forkexit\_callback  
- comments about release agent  
- typo and comment style, etc.

Signed-off-by: Li Zefan <lizf@cn.fujitsu.com>

---  
include/linux/cgroup.h | 2 +-  
kernel/cgroup.c | 44 ++++++-----  
2 files changed, 22 insertions(+), 24 deletions(-)

```
diff --git a/include/linux/cgroup.h b/include/linux/cgroup.h
index ff9055f..2ebf7af 100644
--- a/include/linux/cgroup.h
+++ b/include/linux/cgroup.h
@@ -175,7 +175,7 @@ struct css_set {
 *
 *
 * When reading/writing to a file:
- * - the cgroup to use in file->f_dentry->d_parent->d_fsdata
+ * - the cgroup to use is file->f_dentry->d_parent->d_fsdata
 * - the 'cftype' of the file is file->f_dentry->d_fsdata
 */
```

```
diff --git a/kernel/cgroup.c b/kernel/cgroup.c
index 4766bb6..0c35022 100644
--- a/kernel/cgroup.c
+++ b/kernel/cgroup.c
@@ -113,9 +113,9 @@ static int root_count;
#define dummytop (&rootnode.top_cgroup)
```

```
/* This flag indicates whether tasks in the fork and exit paths should
 * take callback_mutex and check for fork/exit handlers to call. This
 * avoids us having to do extra work in the fork/exit path if none of the
 * subsystems need to be called.
+ * check for fork/exit handlers to call. This avoids us having to do
+ * extra work in the fork/exit path if none of the subsystems need to
+ * be called.
 */
static int need_forkexit_callback;
```

```
@@ -507,8 +507,8 @@ static struct css_set *find_css_set(
 * critical pieces of code here. The exception occurs on cgroup_exit(),
 * when a task in a notify_on_release cgroup exits. Then cgroup_mutex
```

```

* is taken, and if the cgroup count is zero, a usermode call made
- * to /sbin/cgroup_release_agent with the name of the cgroup (path
- * relative to the root of cgroup file system) as the argument.
+ * to the release agent with the name of the cgroup (path relative to
+ * the root of cgroup file system) as the argument.
*
* A cgroup can only be deleted if both its 'count' of using tasks
* is zero, and its list of 'children' cgroups is empty. Since all
@@ -521,7 +521,7 @@ static struct css_set *find_css_set(
*
* The need for this exception arises from the action of
* cgroup_attach_task(), which overwrites one tasks cgroup pointer with
- * another. It does so using cgroup_mutex, however there are
+ * another. It does so using cgroup_mutex, however there are
* several performance critical places that need to reference
* task->cgroup without the expense of grabbing a system global
* mutex. Therefore except as noted below, when dereferencing or, as
@@ -1192,7 +1192,7 @@ static void get_first_subsys(const struct cgroup *cgrp,
* Attach task 'tsk' to cgroup 'cgrp'
*
* Call holding cgroup_mutex. May take task_lock of
- * the task 'pid' during call.
+ * the task 'tsk' during call.
*/
int cgroup_attach_task(struct cgroup *cgrp, struct task_struct *tsk)
{
@@ -1584,12 +1584,11 @@ static int cgroup_create_file(struct dentry *dentry, int mode,
}

/*
- * cgroup_create_dir - create a directory for an object.
- * cgrp: the cgroup we create the directory for.
- * It must have a valid ->parent field
- * And we are going to fill its ->dentry field.
- * dentry: dentry of the new cgroup
- * mode: mode to set on new directory.
+ * cgroup_create_dir - create a directory for an object.
+ * @cgrp: the cgroup we create the directory for. It must have a valid
+ * ->parent field. And we are going to fill its ->dentry field.
+ * @dentry: dentry of the new cgroup
+ * @mode: mode to set on new directory.
*/
static int cgroup_create_dir(struct cgroup *cgrp, struct dentry *dentry,
int mode)
@@ -2199,12 +2198,12 @@ static void init_cgroup_css(struct cgroup_subsys_state *css,
}

/*

```

```

- * cgroup_create - create a cgroup
- * parent: cgroup that will be parent of the new cgroup.
- * name: name of the new cgroup. Will be strcpy'ed.
- * mode: mode to set on new inode
+ * cgroup_create - create a cgroup
+ * @parent: cgroup that will be parent of the new cgroup
+ * @dentry: dentry of the new cgroup
+ * @mode: mode to set on new inode
*
- * Must be called with the mutex on the parent inode held
+ * Must be called with the mutex on the parent inode held
*/

```

```

static long cgroup_create(struct cgroup *parent, struct dentry *dentry,
@@ -2349,13 +2348,12 @@ static int cgroup_rmdir(struct inode *unused_dir, struct dentry
*dentry)

```

```

parent = cgrp->parent;
root = cgrp->root;
sb = root->sb;
+
/*
- * Call pre_destroy handlers of subsys
+ * Call pre_destroy handlers of subsys. Notify subsystems
+ * that rmdir() request comes.
*/
cgroup_call_pre_destroy(cgrp);
- /*
- * Notify subsyses that rmdir() request comes.
- */

```

```

if (cgroup_has_css_refs(cgrp)) {
mutex_unlock(&cgroup_mutex);
@@ -2618,7 +2616,7 @@ static struct file_operations proc_cgroupstats_operations = {

```

```

/**
* cgroup_fork - attach newly forked task to its parents cgroup.
- * @tsk: pointer to task_struct of forking parent process.
+ * @child: pointer to task_struct of forking parent process.
*
* Description: A task inherits its parent's cgroup at fork().
*
--

```

1.5.4.rc3