Subject: [PATCH 2/3] user.c: use kmem_cache_zalloc()
Posted by Alexey Dobriyan on Fri, 21 Sep 2007 09:39:06 GMT
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Quite a few fields are zeroed during user_struct creation, so use
kmem_cache_zalloc() -- save a few lines and #ifdef. Also will help avoid
#ifdef CONFIG_POSIX_MQUEUE in next patch.

Signed-off-by: Alexey Dobriyan <adobriyan@sw.ru>
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kernel/user.c | 13 +------------
1 file changed, 1 insertion(+), 12 deletions(-)

```
--- a/kernel/user.c
+++ b/kernel/user.c
@@ -129,21 +129,11 @@ struct user_struct * alloc_uid(struct user_namespace *ns, uid_t uid)
  if (!up) {
   struct user_struct *new;

-  new = kmem_cache_alloc(uid_cachep, GFP_KERNEL);
+  new = kmem_cache_zalloc(uid_cachep, GFP_KERNEL);
   if (!new)
    return NULL;
   new->uid = uid;
   atomic_set(&new->__count, 1);
-  atomic_set(&new->processes, 0);
-  atomic_set(&new->files, 0);
-  atomic_set(&new->sigpending, 0);
-#ifdef CONFIG_INOTIFY_USER
-  atomic_set(&new->inotify_watches, 0);
-  atomic_set(&new->inotify_devs, 0);
-#endif
-
-  new->mq_bytes = 0;
-  new->locked_shm = 0;

   if (alloc_uid_keyring(new, current) < 0) {
    kmem_cache_free(uid_cachep, new);
```