Subject: [PATCH 2.6.19-rc3] VFS: missing unused dentry in prune_dcache()
Posted by vaverin on Fri, 27 Oct 2006 13:42:03 GMT

Andrew,

could you please use this patch instead of
missing-unused-dentry-in-prune_dcache.patch

As far as I understand David Howells have not any objections

Thank you,
 Vasily Averin

VFS: missing unused dentry in prune_dcache()

From: Vasily Averin <vvs@sw.ru>

If we cannot delete dentry we should insert it back to the dentry_unused list.
To prevent cycle and do not blocks prune_dcache() call from
shrink_dcache_memory() we adding this dentry to head of list.

Signed-off-by: Vasily Averin <vvs@sw.ru>

```
--- linux-2.6.19-rc3/fs/dcache.c.prdch 2006-10-25 16:09:19.000000000 +0400
+++ linux-2.6.19-rc3/fs/dcache.c 2006-10-26 15:14:51.000000000 +0400
@@ -478,11 +478,9 @@ static void prune_dcache(int count, stru
   up_read(s_umount);
  }
  spin_unlock(&dentry->d_lock);
- /* Cannot remove the first dentry, and it isn't appropriate
-  * to move it to the head of the list, so give up, and try
-  * later
-  */
- break;
+ /* Inserting dentry to tail of the list leads to cycle */
+  list_add(&dentry->d_lru, &dentry_unused);
+ dentry_stat.nr_unused++;
 }
 spin_unlock(&dcache_lock);
}
```