

Subject: [RFC][PATCH] memory cgroup enhancements updated [4/10] record page cgroup on active list

Posted by [KAMEZAWA Hiroyuki](#) on Fri, 19 Oct 2007 09:31:48 GMT

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

---

Remember page\_cgroup is on active\_list or not in page\_cgroup->flags.

Against 2.6.23-mm1.

Changelog v1->v2

- moved #define to out-side of struct definition

Signed-off-by: KAMEZAWA Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com>

Signed-off-by: YAMAMOTO Takashi <yamamoto@valinux.co.jp>

mm/memcontrol.c | 12 ++++++-----

1 file changed, 8 insertions(+), 4 deletions(-)

Index: devel-2.6.23-mm1/mm/memcontrol.c

=====

--- devel-2.6.23-mm1.orig/mm/memcontrol.c

+++ devel-2.6.23-mm1/mm/memcontrol.c

@@ -86,6 +86,7 @@ struct page\_cgroup {

int flags;

};

#define PCGF\_PAGECACHE (0x1) /\* charged as page-cache \*/

+#define PCGF\_ACTIVE (0x2) /\* page\_cgroup is on active list \*/

enum {

MEM\_CGROUP\_TYPE\_UNSPEC = 0,

@@ -208,10 +209,13 @@ clear\_page\_cgroup(struct page \*page, str

static void \_\_mem\_cgroup\_move\_lists(struct page\_cgroup \*pc, bool active)

{

- if (active)

+ if (active) {

+ pc->flags |= PCGF\_ACTIVE;

list\_move(&pc->lru, &pc->mem\_cgroup->active\_list);

- else

+ } else {

+ pc->flags &= ~PCGF\_ACTIVE;

list\_move(&pc->lru, &pc->mem\_cgroup->inactive\_list);

+ }

}

int task\_in\_mem\_cgroup(struct task\_struct \*task, const struct mem\_cgroup \*mem)

@@ -421,9 +425,9 @@ noreclaim:

pc->mem\_cgroup = mem;

```
pc->page = page;
if (is_cache)
- pc->flags = PCGF_PAGECACHE;
+ pc->flags = PCGF_PAGECACHE | PCGF_ACTIVE;
else
- pc->flags = 0;
+ pc->flags = PCGF_ACTIVE;
if (page_cgroup_assign_new_page_cgroup(page, pc)) {
/*
 * an another charge is added to this page already.
```

---

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>

---