
Subject: [PATCH][for -mm] per-zone and reclaim enhancements for memory controller take 3 [2/10] nid/zid helpe

Posted by [KAMEZAWA Hiroyuki](#) on Tue, 27 Nov 2007 02:58:10 GMT

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Add macro to get node_id and zone_id of page_cgroup.
Will be used in per-zone-xxx patches and others.

Changelog:

- returns zone_type instead of int.

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

mm/memcontrol.c | 10 ++++++++
1 file changed, 10 insertions(+)

Index: linux-2.6.24-rc3-mm1/mm/memcontrol.c

--- linux-2.6.24-rc3-mm1.orig/mm/memcontrol.c 2007-11-26 15:31:19.000000000 +0900

+++ linux-2.6.24-rc3-mm1/mm/memcontrol.c 2007-11-26 16:39:00.000000000 +0900

@@ -135,6 +135,16 @@

#define PAGE_CGROUP_FLAG_CACHE (0x1) /* charged as cache */

#define PAGE_CGROUP_FLAG_ACTIVE (0x2) /* page is active in this cgroup */

+static inline int page_cgroup_nid(struct page_cgroup *pc)

+{

+ return page_to_nid(pc->page);

+}

+

+static inline enum zone_type page_cgroup_zid(struct page_cgroup *pc)

+{

+ return page_zonenum(pc->page);

+}

+

enum {

MEM_CGROUP_TYPE_UNSPEC = 0,

MEM_CGROUP_TYPE_MAPPED,

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