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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

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--- 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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Containers@lists.linux-foundation.org

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