
Subject: [PATCH] memory cgroup enhancements take 4 [1/8] fix zone handling in try_to_free_mem_cgroup_page

Posted by [KAMEZAWA Hiroyuki](#) on Wed, 31 Oct 2007 10:24:39 GMT

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Because NODE_DATA(node)->node_zonelist[] is guaranteed to contain all necessary zones, it is not necessary to use for_each_online_node.

And this for_each_online_node() makes reclaim routine start always from node 0. This is not good. This patch makes reclaim start from caller's node and just use usual (default) zonelist order.

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

mm/vmscan.c | 10 ++++-----

1 file changed, 4 insertions(+), 6 deletions(-)

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

=====

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

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

@ @ -1375,15 +1375,13 @ @ unsigned long try_to_free_mem_cgroup_pag

.mem_cgroup = mem_cont,

.isolate_pages = mem_cgroup_isolate_pages,

};

- int node;

+ int node = numa_node_id();

struct zone **zones;

int target_zone = gfp_zone(GFP_HIGHUSER_MOVABLE);

- for_each_online_node(node) {

- zones = NODE_DATA(node)->node_zonelist[target_zone].zones;

- if (do_try_to_free_pages(zones, sc.gfp_mask, &sc))

- return 1;

- }

+ zones = NODE_DATA(node)->node_zonelist[target_zone].zones;

+ if (do_try_to_free_pages(zones, sc.gfp_mask, &sc))

+ return 1;

return 0;

}

#endif

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Containers@lists.linux-foundation.org

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