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Subject: [RFC][PATCH] memory cgroup enhancements updated [1/10]  
try\_to\_free\_mem\_cgroup\_pages bugfix  
Posted by [KAMEZAWA Hiroyuki](#) on Fri, 19 Oct 2007 09:29:52 GMT  
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Because NODE\_DATA(node)->node\_zonelists[] 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 bad.

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

mm/vmscan.c | 8 +++-----  
1 file changed, 3 insertions(+), 5 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_zonelists[target_zone].zones;
-   if (do_try_to_free_pages(zones, sc.gfp_mask, &sc))
+ zones = NODE_DATA(node)->node_zonelists[target_zone].zones;
+ if (do_try_to_free_pages(zones, sc.gfp_mask, &sc))
     return 1;
- }
   return 0;
 }
#endif
```

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Containers mailing list  
[Containers@lists.linux-foundation.org](mailto:Containers@lists.linux-foundation.org)  
<https://lists.linux-foundation.org/mailman/listinfo/containers>

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