

---

Subject: Re: [PATCH][for -mm] per-zone and reclaim enhancements for memory controller take 3 [3/10] per-zone

Posted by KAMEZAWA Hiroyuki on Thu, 29 Nov 2007 02:24:06 GMT

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

---

On Thu, 29 Nov 2007 10:37:02 +0900

KAMEZAWA Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com> wrote:

> Maybe zonelists of NODE\_DATA() is not initialized. you are right.  
> I think N\_HIGH\_MEMORY will be suitable here...(I'll consider node-hotplug case later.)  
>  
> Thank you for test!  
>  
Could you try this ?

Thanks,

-Kame

==

Don't call kmalloc() against possible but offline node.

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

mm/memcontrol.c | 10 ++++++--  
1 file changed, 8 insertions(+), 2 deletions(-)

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

---

```
--- test-2.6.24-rc3-mm1.orig/mm/memcontrol.c
+++ test-2.6.24-rc3-mm1/mm/memcontrol.c
@@ -1117,8 +1117,14 @@ static int alloc_mem_cgroup_per_zone_inf
    struct mem_cgroup_per_node *pn;
    struct mem_cgroup_per_zone *mz;
    int zone;
-
-    pn = kmalloc_node(sizeof(*pn), GFP_KERNEL, node);
+   /*
+   * This routine is called against possible nodes.
+   * But it's BUG to call kmalloc() against offline node.
+   */
+   if (node_state(N_ONLINE, node))
+       pn = kmalloc_node(sizeof(*pn), GFP_KERNEL, node);
+   else
+       pn = kmalloc(sizeof(*pn), GFP_KERNEL);
    if (!pn)
        return 1;
```

---

Containers mailing list  
Containers@lists.linux-foundation.org  
<https://lists.linux-foundation.org/mailman/listinfo/containers>

---