Subject: Re: [PATCH 2/3] memcgroup: fix typo in VM_BUG_ON()
Posted by Balbir Singh on Mon, 18 Feb 2008 06:14:20 GMT
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Li Zefan wrote:
> No need for VM_BUG_ON(pc), since 'pc' is the list entry. This should
> be VM_BUG_ON(page).
>
> Signed-off-by: Li Zefan <lizf@cn.fujitsu.com>
> Acked-by: KAMEZAWA Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com>

pc is of type page_cgroup and we use list_for_each_entry_safe_reverse. Not sure
why we can't bug on pc.

--
Warm Regards,
Balbir Singh
Linux Technology Center
IBM, ISTL

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

Subject: Re: [PATCH 2/3] memcgroup: fix typo in VM_BUG_ON()
Posted by Balbir Singh on Mon, 18 Feb 2008 06:20:56 GMT
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YAMAMOTO Takashi wrote:
>> Li Zefan wrote:
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>>> Signed-off-by: Li Zefan <lizf@cn.fujitsu.com>
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>> why we can't bug on pc.
>
> pc is dereferenced before this VM_BUG_ON.
>
> YAMAMOTO Takashi
>

OK, so the VM_BUG_ON needs to move to an earlier location. Agreed.

--
Warm Regards,
Balbir Singh
Linux Technology Center
IBM, ISTL

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Subject: Re: [PATCH 2/3] memcgroup: fix typo in VM_BUG_ON()
Posted by yamamoto on Mon, 18 Feb 2008 06:22:09 GMT
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> Li Zefan wrote:
> > No need for VM_BUG_ON(pc), since 'pc' is the list entry. This should
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> >
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> pc is of type page_cgroup and we use list_for_each_entry_safe_reverse. Not sure
> why we can't bug on pc.

pc is dereferenced before this VM_BUG_ON.

YAMAMOTO Takashi

>
>
>
> --
> Warm Regards,
> Balbir Singh
> Linux Technology Center
> IBM, ISTL
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Subject: Re: [PATCH 2/3] memcgroup: fix typo in VM_BUG_ON()
Posted by Li Zefan on Mon, 18 Feb 2008 06:47:10 GMT
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Balbir Singh wrote:
> YAMAMOTO Takashi wrote:
>>> Li Zefan wrote:
>>>> No need for VM_BUG_ON(pc), since 'pc' is the list entry. This should
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>>>>
>>>> Signed-off-by: Li Zefan <lizf@cn.fujitsu.com>
>>>> Acked-by: KAMEZAWA Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com>
>>> pc is of type page_cgroup and we use list_for_each_entry_safe_reverse. Not sure
>>> why we can't bug on pc.
>> pc is dereferenced before this VM_BUG_ON.
>>
>> YAMAMOTO Takashi
>>
>
> OK, so the VM_BUG_ON needs to move to an earlier location. Agreed.
>

No, 'pc' has been dereferenced in list_for_each_entry_safe_reverse().


```
#define list_for_each_entry_safe_reverse(pos, n, head, member)  \
 for (pos = list_entry((head)->prev, typeof(*pos), member), \
  n = list_entry(pos->member.prev, typeof(*pos), member); \
                          ^^^^^^^^^^
      &pos->member != (head);      \
            ^^^^^^^^^^
      pos = n, n = list_entry(n->member.prev, typeof(*n), member))
```

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