Subject: [PATCH] cgroup: use read lock to guard find_existing_css_set()
Posted by Li Zefan on Wed, 23 Apr 2008 03:04:36 GMT
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The function does not modify anything (except the temporary
css template), so it's sufficient to hold read lock.

Signed-off-by: Li Zefan <lizf@cn.fujitsu.com>
---
 kernel/cgroup.c | 4 ++--
 1 files changed, 2 insertions(+), 2 deletions(-)

diff --git a/kernel/cgroup.c b/kernel/cgroup.c
index 2727f92..e9eb5da 100644
--- a/kernel/cgroup.c
+++ b/kernel/cgroup.c
@@ -406,11 +406,11 @@ static struct css_set *find_css_set(

  /* First see if we already have a cgroup group that matches
   * the desired set */
- write_lock(&css_set_lock);
+ read_lock(&css_set_lock);
  res = find_existing_css_set(oldcg, cgrp, template);
  if (res)
   get_css_set(res);
- write_unlock(&css_set_lock);
+ read_unlock(&css_set_lock);

  if (res)
   return res;
-- 1.5.4.rc3

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

Subject: Re: [PATCH] cgroup: use read lock to guard find_existing_css_set()
Posted by Paul Menage on Wed, 23 Apr 2008 06:48:28 GMT
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On Tue, Apr 22, 2008 at 8:04 PM, Li Zefan <lizf@cn.fujitsu.com> wrote:
> The function does not modify anything (except the temporary
> css template), so it's sufficient to hold read lock.
>
> Signed-off-by: Li Zefan <lizf@cn.fujitsu.com>

Acked-by: Paul Menage <menage@google.com>

Thanks.

```
>  ---
>   kernel/cgroup.c |    4 ++--
>   1 files changed, 2 insertions(+), 2 deletions(-)
>
>  diff --git a/kernel/cgroup.c b/kernel/cgroup.c
>  index 2727f92..e9eb5da 100644
>  --- a/kernel/cgroup.c
>  +++ b/kernel/cgroup.c
>  @@ -406,11 +406,11 @@ static struct css_set *find_css_set(
>
>         /* First see if we already have a cgroup group that matches
>          * the desired set */
>  -       write_lock(&css_set_lock);
>  +       read_lock(&css_set_lock);
>         res = find_existing_css_set(oldcg, cgrp, template);
>         if (res)
>                 get_css_set(res);
>  -       write_unlock(&css_set_lock);
>  +       read_unlock(&css_set_lock);
>
>         if (res)
>                 return res;
>  -- 1.5.4.rc3
>
>
```

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Subject: Re: [PATCH] cgroup: use read lock to guard find_existing_css_set()
Posted by Balbir Singh on Wed, 23 Apr 2008 06:48:50 GMT
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Li Zefan wrote:
> The function does not modify anything (except the temporary
> css template), so it's sufficient to hold read lock.
>
> Signed-off-by: Li Zefan <lizf@cn.fujitsu.com>
> ---
> kernel/cgroup.c | 4 ++--
> 1 files changed, 2 insertions(+), 2 deletions(-)
>

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> /* First see if we already have a cgroup group that matches
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> - write_lock(&css_set_lock);
> + read_lock(&css_set_lock);
> res = find_existing_css_set(oldcg, cgrp, template);
> if (res)
> get_css_set(res);
> - write_unlock(&css_set_lock);
> + read_unlock(&css_set_lock);
>
> if (res)
> return res;

Looks good to me. Did you run lockdep?

--
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

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Subject: Re: [PATCH] cgroup: use read lock to guard find_existing_css_set()
Posted by Li Zefan on Thu, 24 Apr 2008 01:00:52 GMT
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Balbir Singh wrote:
> Li Zefan wrote:
>> The function does not modify anything (except the temporary
>> css template), so it's sufficient to hold read lock.
>>
>> Signed-off-by: Li Zefan <lizf@cn.fujitsu.com>
>> ---
>> kernel/cgroup.c | 4 ++--
>> 1 files changed, 2 insertions(+), 2 deletions(-)
>>

>> diff --git a/kernel/cgroup.c b/kernel/cgroup.c
>> index 2727f92..e9eb5da 100644
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>>
>>   /* First see if we already have a cgroup group that matches
>>   * the desired set */
>> - write_lock(&css_set_lock);
>> + read_lock(&css_set_lock);
>>   res = find_existing_css_set(oldcg, cgrp, template);
>>   if (res)
>>   get_css_set(res);
>> - write_unlock(&css_set_lock);
>> + read_unlock(&css_set_lock);
>>
>>   if (res)
>>   return res;
>
> Looks good to me. Did you run lockdep?
>

No, I found this when reading the code, but I do have done some test.

_____
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https://lists.linux-foundation.org/mailman/listinfo/containers