
Subject: Re: [PATCH 3/3] memcgou: allow memory.failcnt to be reset
Posted by [KAMEZAWA Hiroyuki](#) on Tue, 11 Mar 2008 10:15:17 GMT
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On Tue, 11 Mar 2008 19:09:02 +0900

Li Zefan <lizf@cn.fujitsu.com> wrote:

> Allow memory.failcnt to be reset to 0:

>

> echo 0 > memory.failcnt

>

> And '0' is the only valid value.

>

Can't this be generic resource counter function ?

Thanks,

-Kame

> This is useful when testing or observing the memory resource
> controller. Without this function, one will have to remember
> the previous failcnt to decide whether memory reclaim has
> happened *again*.

>

> Signed-off-by: Li Zefan <lizf@cn.fujitsu.com>

> ---

> Documentation/controllers/memory.txt | 4 ++++

> mm/memcontrol.c | 15 ++++++-----

> 2 files changed, 18 insertions(+), 1 deletions(-)

>

> diff --git a/Documentation/controllers/memory.txt b/Documentation/controllers/memory.txt

> index 866b9cd..28f80e3 100644

> --- a/Documentation/controllers/memory.txt

> +++ b/Documentation/controllers/memory.txt

> @@ -194,7 +194,9 @@ this file after a write to guarantee the value committed by the kernel.

> 4096

>

> The memory.failcnt field gives the number of times that the cgroup limit was

> -exceeded.

> +exceeded. It can be reset.

> +

> +# echo 0 > memory.failcnt

>

> The memory.stat file gives accounting information. Now, the number of

> caches, RSS and Active pages/Inactive pages are shown.

> diff --git a/mm/memcontrol.c b/mm/memcontrol.c

> index 6145031..fd26dc2 100644

> --- a/mm/memcontrol.c

```
> +++
> @@ -883,6 +883,20 @@ static int mem_force_empty_write(struct cgroup *cont, struct cftype *cft,
>     return ret;
> }
>
> +static int mem_failcnt_write(struct cgroup *cont, struct cftype *cft,
> +    u64 val)
> +{
> +    struct res_counter *counter;
> +
> +    if (val != 0)
> +        return -EINVAL;
> +
> +    counter = &mem_cgroup_from_cont(cont)->res;
> +    res_counter_write_u64(counter, cft->private, 0);
> +
> +    return 0;
> +}
> +
> static const struct mem_cgroup_stat_desc {
>     const char *msg;
>     u64 unit;
> @@ -934,6 +948,7 @@ static struct cftype mem_cgroup_files[] = {
>     {
>         .name = "failcnt",
>         .private = RES_FAILCNT,
> +        .write_u64 = mem_failcnt_write,
>         .read_u64 = mem_cgroup_read,
>     },
>     {
>     --
> 1.5.4.rc3
>
```

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