Subject: Re: [PATCH 3/3] memcgoup: 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

```
> +++ b/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
>
```

_____
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