Subject: Re: [PATCH v6 3/8] foundations of per-cgroup memory pressure controlling.

Posted by KAMEZAWA Hiroyuki on Thu, 13 Oct 2011 05:53:53 GMT

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```
On Mon, 10 Oct 2011 14:24:23 +0400
Glauber Costa <glommer@parallels.com> wrote:
> This patch converts struct sock fields memory pressure,
> memory allocated, sockets allocated, and sysctl mem (now prot mem)
> to function pointers, receiving a struct mem_cgroup parameter.
> enter_memory_pressure is kept the same, since all its callers
> have socket a context, and the kmem_cgroup can be derived from
> the socket itself.
>
> To keep things working, the patch convert all users of those fields
> to use acessor functions.
> In my benchmarks I didn't see a significant performance difference
> with this patch applied compared to a baseline (around 1 % diff, thus
> inside error margin).
> Signed-off-by: Glauber Costa <glommer@parallels.com>
> CC: David S. Miller <davem@davemloft.net>
> CC: Hiroyouki Kamezawa <kamezawa.hiroyu@jp.fujitsu.com>
> CC: Eric W. Biederman <ebiederm@xmission.com>
Reviewed-by: KAMEZAWA Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com>
a nitpick.
> #ifdef CONFIG_INET
> +enum {
> + UNDER LIMIT,
> + OVER_LIMIT,
> +};
> +
```

It may be better to move this to res counter.h or memcontrol.h