Subject: Re: [PATCH 10/10] memcg: Document kernel memory accounting.
Posted by rdunlap on Mon, 27 Feb 2012 23:05:36 GMT
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On 02/27/2012 02:58 PM, Suleiman Souhlal wrote:

> Signed-off-by: Suleiman Souhlal <suleiman@google.com>
> ---
>  Documentation/cgroups/memory.txt |   44 ++++++++++++++++++++++++++++++++++++--
>  1 files changed, 41 insertions(+), 3 deletions(-)
>
> diff --git a/Documentation/cgroups/memory.txt b/Documentation/cgroups/memory.txt
> index 4c95c00..64c6cc8 100644
> --- a/Documentation/cgroups/memory.txt
> +++ b/Documentation/cgroups/memory.txt

> +2.7.1.1 Slab memory accounting
> +
> +Slab gets accounted on a per-page basis, which is done by using per-cgroup
> +kmem_caches. These per-cgroup kmem_caches get created on-demand, the first
> +time a specific kmem_cache gets used by a cgroup.
> +
> +Slab memory that cannot be attributed to a cgroup gets charged to the root
> +cgroup.
> +
> +A per-cgroup kmem_cache is named like the original, with the cgroup's name
> +in parethesis.

    parentheses.

> +
> +When a cgroup is destroyed, all its kmem_caches get migrated to the root
> +cgroup, and "dead" is appended to their name, to indicate that they are not
> +going to be used for new allocations.
> +These dead caches automatically get removed once there are no more active
> +slab objects in them.
> +

--
~Randy