
Subject: Re: [PATCH 01/10] slab/slub: struct memcg_params
Posted by [Kirill A. Shutsemov](#) on Wed, 25 Jul 2012 19:26:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Wed, Jul 25, 2012 at 06:38:12PM +0400, Glauber Costa wrote:

> For the kmem slab controller, we need to record some extra
> information in the kmem_cache structure.
>
> Signed-off-by: Glauber Costa <glommer@parallels.com>
> Signed-off-by: Suleiman Souhlal <suleiman@google.com>
> CC: Christoph Lameter <cl@linux.com>
> CC: Pekka Enberg <penberg@cs.helsinki.fi>
> CC: Michal Hocko <mhocko@suse.cz>
> CC: Kamezawa Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com>
> CC: Johannes Weiner <hannes@cmpxchg.org>
> ---
> include/linux/slab.h | 7 +++++++
> include/linux/slab_def.h | 4 ++++
> include/linux/slub_def.h | 3 +++
> 3 files changed, 14 insertions(+)
>
> diff --git a/include/linux/slab.h b/include/linux/slab.h
> index 0dd2dfa..3152bcd 100644
> --- a/include/linux/slab.h
> +++ b/include/linux/slab.h
> @@ -177,6 +177,13 @@ unsigned int kmem_cache_size(struct kmem_cache *);
> #define ARCH_SLAB_MINALIGN __alignof__(unsigned long long)
> #endif
>
> +#ifdef CONFIG_MEMCG_KMEM
> +struct mem_cgroup_cache_params {
> + struct mem_cgroup *memcg;
> + int id;
> +};

IIUC, we only need the id to make slab name unique. Why can't we embed the id to struct mem_cgroup? Is it possible to have multiple slabs with the same combination of type, size, and memcg?

--
Kirill A. Shutsemov
