
Subject: Re: [PATCH 01/10] slab/slub: struct memcg_params
Posted by [Kirill A. Shutemov](#) on Wed, 25 Jul 2012 19:26:39 GMT
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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.

>

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> ---

> 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?

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Kirill A. Shutemov
