
Subject: Re: [PATCH 02/10] consider a memcg parameter in kmem_create_cache
Posted by [Kirill A. Shutemov](#) on Thu, 26 Jul 2012 10:01:08 GMT
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On Thu, Jul 26, 2012 at 01:42:05PM +0400, Glauber Costa wrote:

> On 07/25/2012 10:10 PM, Kirill A. Shutemov wrote:

> > On Wed, Jul 25, 2012 at 06:38:13PM +0400, Glauber Costa wrote:

> >

> > ...

> >

> >> @@ -337,6 +341,12 @@ extern void *__kmalloc_track_caller(size_t, gfp_t, unsigned long);

> >> __kmalloc(size, flags)

> >> #endif /* DEBUG_SLAB */

> >>

> >> #ifdef CONFIG_MEMCG_KMEM

> >> #define MAX_KMEM_CACHE_TYPES 400

> >> #else

> >> #define MAX_KMEM_CACHE_TYPES 0

> >> #endif /* CONFIG_MEMCG_KMEM */

> >> +

> >> #ifdef CONFIG_NUMA

> >> /*

> >> * kmalloc_node_track_caller is a special version of kmalloc_node that

> >>

> >> ...

> >>

> >> @@ -527,6 +532,24 @@ static inline bool memcg_kmem_enabled(struct mem_cgroup
*memcg)

> >> memcg->kmem_accounted;

> >> }

> >>

> >> +struct ida cache_types;

> >> +

> >> +void memcg_register_cache(struct mem_cgroup *memcg, struct kmem_cache *cachep)

> >> +{

> >> + int id = -1;

> >> +

> >> + if (!memcg)

> >> + id = ida_simple_get(&cache_types, 0, MAX_KMEM_CACHE_TYPES,

> >> + GFP_KERNEL);

> >>

> > MAX_KMEM_CACHE_TYPES is 0 if CONFIG_MEMCG_KMEM undefined.

> > If 'end' parameter of ida_simple_get() is 0 it will use default max value

> > which is 0x80000000.

> > I guess you want MAX_KMEM_CACHE_TYPES to be 1 for !CONFIG_MEMCG_KMEM.

> >

> ida_simple_get will not, and should never be called for !CONFIG_MEMCG_KMEM.

Okay. Is there an user for MAX_KMEM_CACHE_TYPES if !CONFIG_MEMCG_KMEM?

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Kirill A. Shutemov
