
Subject: Re: [PATCH 02/10] consider a memcg parameter in kmem_create_cache
Posted by [Glauber Costa](#) on Thu, 26 Jul 2012 10:27:15 GMT

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On 07/26/2012 02:01 PM, Kirill A. Shutemov wrote:

> 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?
>

Actually, not anymore. I will just remove it then, instead of forcing it to 0.

Thanks!
