
Subject: Re: [PATCH 02/10] consider a memcg parameter in kmem_create_cache
Posted by [Glauber Costa](#) on Thu, 26 Jul 2012 09:42:05 GMT
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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.
