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Subject: Re: [PATCH 02/10] consider a memcg parameter in kmem\_create\_cache  
Posted by [Kirill A. Shutsemov](#) 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. Shutsemov 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

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