
Subject: Re: [PATCH 2/4] Switch caches notification dynamically
Posted by [Christoph Lameter](#) on Mon, 17 Sep 2007 18:32:42 GMT
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On Mon, 17 Sep 2007, Pavel Emelyanov wrote:

```
> struct kmem_cache kmalloc_caches[PAGE_SHIFT] __cacheline_aligned;
> EXPORT_SYMBOL(kmalloc_caches);
>
> +static inline int is_kmalloc_cache(struct kmem_cache *s)
> +{
> + int km_idx;
> +
> + km_idx = s - kmalloc_caches;
> + return km_idx >= 0 && km_idx < ARRAY_SIZE(kmalloc_caches);
> +}
```

Could be as simple at

```
return s > kmalloc_caches && s < kmalloc_caches +
ARRAY_SIZE(kmalloc_caches);
```

```
> + if (buf[0] == '0') {
> + if (any_slab_objects(s))
> + /*
> + * we cannot turn this off because of the
> + * full slabs cannot be found in this case
> + */
> + return -EBUSY;
```

The full slabs can be checked by subtracting the partial slabs from the allocated slabs in the per node structure.
