

---

Subject: Re: [PATCH v2 04/29] slub: always get the cache from its page in kfree  
Posted by [Glauber Costa](#) on Fri, 11 May 2012 17:57:49 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On 05/11/2012 02:53 PM, Christoph Lameter wrote:

> On Fri, 11 May 2012, Glauber Costa wrote:

>

>> struct page already have this information. If we start chaining

>> caches, this information will always be more trustworthy than

>> whatever is passed into the function

>

> Other allocators may not have that information and this patch may

> cause bugs to go unnoticed if the caller specifies the wrong slab cache.

>

> Adding a VM\_BUG\_ON may be useful to make sure that kmem\_cache\_free is

> always passed the correct slab cache.

Well, problem is , it isn't always passed the "correct" slab cache.

At least not after this series, since we'll have child caches associated with the main cache.

So we'll pass, for instance, kmem\_cache\_free(dentry\_cache...), but will in fact free from the memcg copy of the dentry cache.

We can, of course, verify if the cache at least belongs to the same "family". But that's quite expensive.

---