
Subject: Re: [PATCH v5] slab: Ignore internal flags in cache creation
Posted by [David Rientjes](#) on Wed, 17 Oct 2012 21:07:55 GMT
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On Wed, 17 Oct 2012, Glauber Costa wrote:

> Some flags are used internally by the allocators for management
> purposes. One example of that is the CFLGS_OFF_SLAB flag that slab uses
> to mark that the metadata for that cache is stored outside of the slab.
>
> No cache should ever pass those as a creation flags. We can just ignore
> this bit if it happens to be passed (such as when duplicating a cache in
> the kmem memcg patches).
>
> Because such flags can vary from allocator to allocator, we allow them
> to make their own decisions on that, defining SLAB_AVAILABLE_FLAGS with
> all flags that are valid at creation time. Allocators that doesn't have
> any specific flag requirement should define that to mean all flags.
>
> Common code will mask out all flags not belonging to that set.
>
> [v2: leave the mask out decision up to the allocators]
> [v3: define flags for all allocators]
> [v4: move all definitions to slab.h]
>
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