
Subject: [PATCH 03/23] slab: rename gfpflags to allocflags
Posted by [Glauber Costa](#) on Fri, 20 Apr 2012 21:49:00 GMT
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A consistent name with slub saves us an accessor function.
In both caches, this field represents the same thing. We would
like to use it from the mem_cgroup code.

Signed-off-by: Glauber Costa <glommer@parallels.com>

```
include/linux/slab_def.h | 2 +-  
mm/slab.c                | 10 +++++-----  
2 files changed, 6 insertions(+), 6 deletions(-)
```

```
diff --git a/include/linux/slab_def.h b/include/linux/slab_def.h  
index fbd1117..d41effe 100644
```

```
--- a/include/linux/slab_def.h  
+++ b/include/linux/slab_def.h  
@@ -39,7 +39,7 @@ struct kmem_cache {  
    unsigned int gfporder;
```

```
    /* force GFP flags, e.g. GFP_DMA */  
- gfp_t gfpflags;  
+ gfp_t allocflags;
```

```
    size_t colour; /* cache colouring range */  
    unsigned int colour_off; /* colour offset */
```

```
diff --git a/mm/slab.c b/mm/slab.c  
index e901a36..c6e5ab8 100644
```

```
--- a/mm/slab.c  
+++ b/mm/slab.c  
@@ -1798,7 +1798,7 @@ static void *kmem_getpages(struct kmem_cache *cachep, gfp_t flags,  
int nodeid)  
    flags |= __GFP_COMP;  
#endif
```

```
- flags |= cachep->gfpflags;  
+ flags |= cachep->allocflags;  
if (cachep->flags & SLAB_RECLAIM_ACCOUNT)  
    flags |= __GFP_RECLAIMABLE;
```

```
@@ -2508,9 +2508,9 @@ kmem_cache_create (const char *name, size_t size, size_t align,  
    cachep->colour = left_over / cachep->colour_off;  
    cachep->slab_size = slab_size;  
    cachep->flags = flags;  
- cachep->gfpflags = 0;  
+ cachep->allocflags = 0;  
    if (CONFIG_ZONE_DMA_FLAG && (flags & SLAB_CACHE_DMA))
```

```
- cachep->gfpflags |= GFP_DMA;
+ cachep->allocflags |= GFP_DMA;
  cachep->buffer_size = size;
  cachep->reciprocal_buffer_size = reciprocal_value(size);
```

```
@@ -2857,9 +2857,9 @@ static void kmem_flagcheck(struct kmem_cache *cachep, gfp_t flags)
{
  if (CONFIG_ZONE_DMA_FLAG) {
    if (flags & GFP_DMA)
-   BUG_ON(!(cachep->gfpflags & GFP_DMA));
+   BUG_ON(!(cachep->allocflags & GFP_DMA));
    else
-   BUG_ON(cachep->gfpflags & GFP_DMA);
+   BUG_ON(cachep->allocflags & GFP_DMA);
  }
}
```

--

1.7.7.6
