
Subject: [PATCH v4 01/25] slab: rename gfpflags to allocflags
Posted by [Glauber Costa](#) on Mon, 18 Jun 2012 10:27:54 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.

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```
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 1d93f27..0c634fa 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 2476ad4..020605f 100644
```

```
--- a/mm/slab.c
```

```
+++ b/mm/slab.c
```

```
@@ -1746,7 +1746,7 @@ 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;
```

```
@@ -2338,9 +2338,9 @@ int __kmem_cache_create(struct kmem_cache *cachep)
```

```
    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->size = size;
  cachep->reciprocal_buffer_size = reciprocal_value(size);
```

```
@@ -2653,9 +2653,9 @@ 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);
  }
}
```

--

1.7.10.2
