
Subject: [PATCH v2 06/13] slab: Add kmem_cache_gfp_flags() helper function.
Posted by [Suleiman Souhlal](#) on Fri, 09 Mar 2012 20:39:09 GMT
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This function returns the gfp flags that are always applied to allocations of a kmem_cache.

Signed-off-by: Suleiman Souhlal <suleiman@google.com>

```
include/linux/slab_def.h | 6 ++++++
include/linux/slob_def.h | 6 ++++++
include/linux/slub_def.h | 6 ++++++
3 files changed, 18 insertions(+), 0 deletions(-)
```

```
diff --git a/include/linux/slab_def.h b/include/linux/slab_def.h
index fbd1117..25f9a6a 100644
```

```
--- a/include/linux/slab_def.h
+++ b/include/linux/slab_def.h
@@ -159,6 +159,12 @@ found:
     return __kmalloc(size, flags);
 }
```

```
+static inline gfp_t
+kmem_cache_gfp_flags(struct kmem_cache *cachep)
+{
+ return cachep->gfpflags;
+}
+
```

```
#ifdef CONFIG_NUMA
extern void *__kmalloc_node(size_t size, gfp_t flags, int node);
extern void *kmem_cache_alloc_node(struct kmem_cache *, gfp_t flags, int node);
```

```
diff --git a/include/linux/slob_def.h b/include/linux/slob_def.h
index 0ec00b3..3fa527d 100644
```

```
--- a/include/linux/slob_def.h
+++ b/include/linux/slob_def.h
@@ -34,4 +34,10 @@ static __always_inline void *__kmalloc(size_t size, gfp_t flags)
     return kmalloc(size, flags);
 }
```

```
+static inline gfp_t
+kmem_cache_gfp_flags(struct kmem_cache *cachep)
+{
+ return 0;
+}
+
```

```
#endif /* __LINUX_SLOB_DEF_H */
```

```
diff --git a/include/linux/slub_def.h b/include/linux/slub_def.h
index a32bcfd..5911d81 100644
```

```
--- a/include/linux/slub_def.h
+++ b/include/linux/slub_def.h
@@ -313,4 +313,10 @@ static __always_inline void *kmalloc_node(size_t size, gfp_t flags, int
node)
}
#endif

+static inline gfp_t
+kmem_cache_gfp_flags(struct kmem_cache *cachep)
+{
+ return cachep->allocflags;
+}
+
#endif /* _LINUX_SLUB_DEF_H */
--
1.7.7.3
```
