
Subject: [PATCH v3 05/13] Add a __GFP_KMEMCG flag
Posted by [Glauber Costa](#) on Tue, 18 Sep 2012 14:04:02 GMT
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This flag is used to indicate to the callees that this allocation is a kernel allocation in process context, and should be accounted to current's memcg. It takes numerical place of the of the recently removed __GFP_NO_KSWAPD.

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include/linux/gfp.h | 7 ++++++-
1 file changed, 6 insertions(+), 1 deletion(-)

diff --git a/include/linux/gfp.h b/include/linux/gfp.h
index f9bc873..d8eae4d 100644

```
--- a/include/linux/gfp.h
+++ b/include/linux/gfp.h
@@ -35,6 +35,11 @@ struct vm_area_struct;
 #else
 #define __GFP_NOTRACK 0
 #endif
+#ifdef CONFIG_MEMCG_KMEM
+#define __GFP_KMEMCG 0x400000u
+#else
+#define __GFP_KMEMCG 0
+#endif
#define __GFP_OTHER_NODE 0x800000u
#define __GFP_WRITE 0x1000000u
```

```
@@ -91,7 +96,7 @@ struct vm_area_struct;
```

```
#define __GFP_OTHER_NODE ((__force gfp_t) __GFP_OTHER_NODE) /* On behalf of other
node */
```

```
#define __GFP_WRITE ((__force gfp_t) __GFP_WRITE) /* Allocator intends to dirty page */
```

```
-
+#define __GFP_KMEMCG ((__force gfp_t) __GFP_KMEMCG) /* Allocation comes from a
memcg-accounted resource */
```

```
/*
```

```
 * This may seem redundant, but it's a way of annotating false positives vs.
```

* allocations that simply cannot be supported (e.g. page tables).

--

1.7.11.4
