

Subject: [PATCH net-2.6.25 3/3][ROUTE] Convert rt_hash_lock_init() macro into function

Posted by [Pavel Emelianov](#) on Wed, 05 Dec 2007 17:09:27 GMT

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There's no need in having this function exist in a form of macro. Properly formatted function looks much better.

Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

...

```
diff --git a/net/ipv4/route.c b/net/ipv4/route.c
```

index 3b9c430..6714bbc 100644

```
--- a/net/ipv4/route.c
```

+++ b/net/ipv4/route.c

```
@ @ -235,16 +235,25 @ @ struct rt_hash_bucket {
```

```
static spinlock_t *rt_hash_locks;
#define rt_hash_lock_addr(slot) &rt_hash_locks[(slot) & (RT_HASH_LOCK_SZ - 1)]
-#define rt_hash_lock_init() { \
- int i; \
- rt_hash_locks = kmalloc(sizeof(spinlock_t) * RT_HASH_LOCK_SZ, GFP_KERNEL); \
- if (!rt_hash_locks) panic("IP: failed to allocate rt_hash_locks\n"); \
- for (i = 0; i < RT_HASH_LOCK_SZ; i++) \
-   spin_lock_init(&rt_hash_locks[i]); \
- }
+
+static __init void rt_hash_lock_init(void)
+{
+ int i;
+
+ rt_hash_locks = kmalloc(sizeof(spinlock_t) * RT_HASH_LOCK_SZ,
+ GFP_KERNEL);
+ if (!rt_hash_locks)
+   panic("IP: failed to allocate rt_hash_locks\n");
+
+ for (i = 0; i < RT_HASH_LOCK_SZ; i++)
+   spin_lock_init(&rt_hash_locks[i]);
+}
#else
#define rt_hash_lock_addr(slot) NULL
-#define rt_hash_lock_init()
+
+static inline void rt_hash_lock_init(void)
+{
+}
#endif
```

```
static struct rt_hash_bucket *rt_hash_table;
```

```
--
```

1.5.3.4
