

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
