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Subject: [patch 01/10][NETNS][IP6\_FIB] make mindless changes

Posted by [Daniel Lezcano](#) on Thu, 15 Nov 2007 14:01:44 GMT

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This patch changes all references to the static global variables fib6\_main\_tbl and fib6\_local\_tbl by a pointer. That provides the minimal changes to dynamically allocate these tables for the network namespaces.

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net/ipv6/ip6\_fib.c | 18 ++++++++-----

1 file changed, 11 insertions(+), 7 deletions(-)

Index: linux-2.6-netns/net/ipv6/ip6\_fib.c

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--- linux-2.6-netns.orig/net/ipv6/ip6\_fib.c

+++ linux-2.6-netns/net/ipv6/ip6\_fib.c

```
@ @ -166,7 +166,7 @ @ static __inline__ void rt6_release(struct
    dst_free(&rt->u.dst);
}
```

```
-static struct fib6_table fib6_main_tbl = {
```

```
+static struct fib6_table __fib6_main_tbl = {
```

```
    .tb6_id = RT6_TABLE_MAIN,
```

```
    .tb6_root = {
```

```
        .leaf = &ip6_null_entry,
```

```
@ @ -174,6 +174,8 @ @ static struct fib6_table fib6_main_tbl =
```

```
    },
```

```
};
```

```
+static struct fib6_table *fib6_main_tbl = &__fib6_main_tbl;
```

```
+
```

```
#ifdef CONFIG_IPV6_MULTIPLE_TABLES
```

```
#define FIB_TABLE_HASHSZ 256
```

```
#else
```

```
@ @ -201,7 +203,7 @ @ static void fib6_link_table(struct fib6_
```

```
}
```

```
#ifdef CONFIG_IPV6_MULTIPLE_TABLES
```

```
-static struct fib6_table fib6_local_tbl = {
```

```
+static struct fib6_table __fib6_local_tbl = {
```

```
    .tb6_id = RT6_TABLE_LOCAL,
```

```
    .tb6_root = {
```

```
        .leaf = &ip6_null_entry,
```

```
@ @ -209,6 +211,8 @ @ static struct fib6_table fib6_local_tbl
```

```
    },
```

```

};

+static struct fib6_table *fib6_local_tbl = &__fib6_local_tbl;
+
static struct fib6_table *fib6_alloc_table(u32 id)
{
    struct fib6_table *table;
@@ -263,8 +267,8 @@ struct fib6_table *fib6_get_table(u32 id

static void __init fib6_tables_init(void)
{
- fib6_link_table(&fib6_main_tbl);
- fib6_link_table(&fib6_local_tbl);
+ fib6_link_table(fib6_main_tbl);
+ fib6_link_table(fib6_local_tbl);
}

#else
@@ -276,18 +280,18 @@ struct fib6_table *fib6_new_table(u32 id

struct fib6_table *fib6_get_table(u32 id)
{
- return &fib6_main_tbl;
+ return fib6_main_tbl;
}

struct dst_entry *fib6_rule_lookup(struct flowi *fl, int flags,
    pol_lookup_t lookup)
{
- return (struct dst_entry *) lookup(&fib6_main_tbl, fl, flags);
+ return (struct dst_entry *) lookup(fib6_main_tbl, fl, flags);
}

static void __init fib6_tables_init(void)
{
- fib6_link_table(&fib6_main_tbl);
+ fib6_link_table(fib6_main_tbl);
}

#endif

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```

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