Subject: [patch 10/38][IPV6] ip6_fib - make mindless changes
Posted by Daniel Lezcano on Mon, 03 Dec 2007 16:16:46 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
===
--- 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(struc
   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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