Subject: [PATCH] Fix of ip_route_output_slow
Posted by xemul on Thu, 08 Dec 2005 15:06:38 GMT
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Patch from Denis (den@) and Pavel (xemul@):
When ip_rt_src_check is off we still can try
to route multicast/broadcast packets.

Bug #55476

```
--- ./net/ipv4/route.c.ipr 2005-12-08 12:33:07.000000000 +0300
+++ ./net/ipv4/route.c 2005-12-08 18:02:16.169811112 +0300
@@ -2112,13 +2112,10 @@ static int ip_route_output_slow(struct r
        ZERONET(oldflp->fl4_src))
     goto out;

-  if (ip_rt_src_check) {
-   /* It is equivalent to
-      inet_addr_type(saddr) == RTN_LOCAL */
-   dev_out = ip_dev_find(oldflp->fl4_src);
-   if (dev_out == NULL)
-    goto out;
-  }
+  /* It is equivalent to inet_addr_type(saddr) == RTN_LOCAL */
+  dev_out = ip_dev_find(oldflp->fl4_src);
+  if (ip_rt_src_check && dev_out == NULL)
+   goto out;

    /* I removed check for oif == dev_out->oif here.
       It was wrong for two reasons:
@@ -2145,6 +2142,9 @@ static int ip_route_output_slow(struct r
        Luckily, this hack is good workaround.
     */

+   if (dev_out == NULL)
+    goto out;
+
    fl.oif = dev_out->ifindex;
    goto make_route;
   }
```