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Subject: [PATCH][ICMP]: Dst entry leak in icmp\_send host re-lookup code (v2).  
Posted by [Pavel Emelianov](#) on Wed, 26 Mar 2008 09:25:40 GMT  
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Commit 8b7817f3a959ed99d7443afc12f78a7e1fcc2063 ([IPSEC]: Add ICMP host relookup support) introduced some dst leaks on error paths: the rt pointer can be forgotten to be put. Fix it by going to a proper label.

Found after net namespace's lo refused to unregister :) Many thanks to Den for valuable help during debugging.

Herbert pointed out, that xfrm\_lookup() will put the rtable in case of error itself, so the first goto fix is redundant.

Signed-off-by: Pavel Emelianov <xemul@openvz.org>  
Signed-off-by: Denis V. Lunev <den@openvz.org>

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```
diff --git a/net/ipv4/icmp.c b/net/ipv4/icmp.c
index a13c074..a944e80 100644
```

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

```
+++ b/net/ipv4/icmp.c
```

```
@@ -591,7 +591,7 @@ void icmp_send(struct sk_buff *skb_in, int type, int code, __be32 info)
{
```

```
    if (xfrm_decode_session_reverse(skb_in, &fl, AF_INET))
-    goto out_unlock;
+    goto ende;
```

```
    if (inet_addr_type(net, fl.fl4_src) == RTN_LOCAL)
        err = __ip_route_output_key(net, &rt2, &fl);
@@ -601,7 +601,7 @@ void icmp_send(struct sk_buff *skb_in, int type, int code, __be32 info)
```

```
    fl2.fl4_dst = fl.fl4_src;
    if (ip_route_output_key(net, &rt2, &fl2))
-    goto out_unlock;
+    goto ende;
```

```
    /* Ugh! */
    odst = skb_in->dst;
@@ -614,7 +614,7 @@ void icmp_send(struct sk_buff *skb_in, int type, int code, __be32 info)
}
```

```
    if (err)
-    goto out_unlock;
+    goto ende;
```

```
err = xfrm_lookup((struct dst_entry **)&rt2, &fl, NULL,  
XFRM_LOOKUP_ICMP);
```

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