Subject: [PATCH 4/4] Consolidate equal handlers in tunnel4.c
Posted by Pavel Emelianov on Fri, 09 Nov 2007 13:18:48 GMT
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Two sets - tunnel[6]4_rcv() and tunnel[6]4_err - do the same
thing, but scan for different lists of tunnels, so this code
is easily consolidated.

Signed-off-by: Pavel Emelyanov <xemul@openvz.ogr>

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```
diff --git a/net/ipv4/tunnel4.c b/net/ipv4/tunnel4.c
index b662a9e..c85547d 100644
--- a/net/ipv4/tunnel4.c
+++ b/net/ipv4/tunnel4.c
@@ -101,14 +101,14 @@ void iptunnel_xmit(struct sk_buff *skb, struct rtable *rt,

 EXPORT_SYMBOL(iptunnel_xmit);

-static int tunnel4_rcv(struct sk_buff *skb)
+static int tunnel_rcv(struct xfrm_tunnel *handlers, struct sk_buff *skb)
 {
  struct xfrm_tunnel *handler;

  if (!pskb_may_pull(skb, sizeof(struct iphdr)))
   goto drop;

- for (handler = tunnel4_handlers; handler; handler = handler->next)
+ for (handler = handlers; handler; handler = handler->next)
   if (!handler->handler(skb))
    return 0;

@@ -119,43 +119,36 @@ drop:
  return 0;
 }

+static int tunnel4_rcv(struct sk_buff *skb)
+{
+ return tunnel_rcv(tunnel4_handlers, skb);
+}
+
 #if defined(CONFIG_IPV6) || defined(CONFIG_IPV6_MODULE)
 static int tunnel64_rcv(struct sk_buff *skb)
 {
- struct xfrm_tunnel *handler;
-
- if (!pskb_may_pull(skb, sizeof(struct iphdr)))
```

```
-  goto drop;
-
- for (handler = tunnel64_handlers; handler; handler = handler->next)
-  if (!handler->handler(skb))
-   return 0;
-
- icmp_send(skb, ICMP_DEST_UNREACH, ICMP_PORT_UNREACH, 0);
-
-drop:
- kfree_skb(skb);
- return 0;
+ return tunnel_rcv(tunnel64_handlers, skb);
 }
 #endif

-static void tunnel4_err(struct sk_buff *skb, u32 info)
+static void tunnel_err(struct xfrm_tunnel *handlers, struct sk_buff *skb, u32 i)
 {
  struct xfrm_tunnel *handler;

- for (handler = tunnel4_handlers; handler; handler = handler->next)
-  if (!handler->err_handler(skb, info))
+ for (handler = handlers; handler; handler = handler->next)
+  if (!handler->err_handler(skb, i))
    break;
 }

+static void tunnel4_err(struct sk_buff *skb, u32 info)
+{
+ tunnel_err(tunnel4_handlers, skb, info);
+}
+
 #if defined(CONFIG_IPV6) || defined(CONFIG_IPV6_MODULE)
 static void tunnel64_err(struct sk_buff *skb, u32 info)
 {
- struct xfrm_tunnel *handler;
-
- for (handler = tunnel64_handlers; handler; handler = handler->next)
-  if (!handler->err_handler(skb, info))
-   break;
+ tunnel_err(tunnel64_handlers, skb, info);
 }
 #endif

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1.5.3.4
```