
Subject: [PATCH] [NETFILTER] ipt_SAME: add compat conversion functions
Posted by [khorenko](#) on Tue, 13 Nov 2007 12:40:16 GMT
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[NETFILTER]: ipt_SAME: add compat conversion functions

ipt_SAME should have the compat function cause its entry structure (ipt_same_info) contains a pointer between data filled/checked in both kernel and userspace.

Signed-off-by: Konstantin Khorenko <khorenko@sw.ru>

Thank you,
Konstantin Khorenko

SWsoft Virtuozzo/OpenVZ Linux kernel team

```
--- ./net/ipv4/netfilter/ipt_SAME.c.SAME 2007-11-06 13:55:16.000000000 +0300
+++ ./net/ipv4/netfilter/ipt_SAME.c 2007-11-09 16:50:38.000000000 +0300
@@ -152,6 +152,47 @@ same_target(struct sk_buff *skb,
     return nf_nat_setup_info(ct, &newrange, hooknum);
 }
```

```
+#ifdef CONFIG_COMPAT
+struct compat_ipt_same_info
+{
+    unsigned char info;
+    u_int32_t rangesize;
+    u_int32_t ipnum;
+    compat_uptr_t iparray;
+
+    /* hangs off end. */
+    struct nf_nat_range range[IPT_SAME_MAX_RANGE];
+};
+
+static void compat_from_user(void *dst, void *src)
+{
+    const struct compat_ipt_same_info *cl = src;
+    struct ipt_same_info l = {
+        .info = cl->info,
+        .rangesize = cl->rangesize,
+        .ipnum = 0,
+        .iparray = NULL,
+    };
+
+    memcpy(l.range, cl->range, sizeof(l.range));
+    memcpy(dst, &l, sizeof(l));
+}
```

