
Subject: [patch 03/38][IPV6] inet6_addr - isolate inet6 addresses from proc file
Posted by Daniel Lezcano on Mon, 03 Dec 2007 16:16:39 GMT

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Make /proc/net/if_inet6 show only inet6 addresses belonging to the namespace.

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net/ipv6/addrconf.c | 48 ++++++-----
1 file changed, 39 insertions(+), 9 deletions(-)

Index: linux-2.6-netns/net/ipv6/addrconf.c

```
=====
--- linux-2.6-netns.orig/net/ipv6/addrconf.c
+++ linux-2.6-netns/net/ipv6/addrconf.c
@@ -2699,6 +2699,7 @@ static void addrconf_dad_run(struct inet
#endif CONFIG_PROC_FS
struct if6_iter_state {
+ struct seq_net_private p;
int bucket;
};

@@ -2706,11 +2707,16 @@ static struct inet6_ifaddr *if6_get_firs
{
struct inet6_ifaddr *ifa = NULL;
struct if6_iter_state *state = seq->private;
+ struct net *net = state->p.net;

for (state->bucket = 0; state->bucket < IN6_ADDR_HSIZE; ++state->bucket) {
ifa = inet6_addr_lst[state->bucket];
- if (ifa)
- break;
+
+ while (ifa && ifa->idev->dev->nd_net != net)
+ ifa = ifa->lst_next;
+ if (!ifa)
+ continue;
+ break;
}
return ifa;
}
@@ -2718,13 +2724,22 @@ static struct inet6_ifaddr *if6_get_firs
static struct inet6_ifaddr *if6_get_next(struct seq_file *seq, struct inet6_ifaddr *ifa)
{
struct if6_iter_state *state = seq->private;
```

```

+ struct net *net = state->p.net;

    ifa = ifa->lst_next;
try_again:
+ if (ifa) {
+   if (ifa->idev->dev->nd_net != net) {
+     ifa = ifa->lst_next;
+     goto try_again;
+   }
+ }
+
if (!ifa && ++state->bucket < IN6_ADDR_HSIZE) {
  ifa = inet6_addr_lst[state->bucket];
  goto try_again;
}
+
return ifa;
}

```

@@ -2781,8 +2796,8 @@ static const struct seq_operations if6_s

```

static int if6_seq_open(struct inode *inode, struct file *file)
{
- return seq_open_private(file, &if6_seq_ops,
- sizeof(struct if6_iter_state));
+ return seq_open_net(inode, file, &if6_seq_ops,
+ sizeof(struct if6_iter_state));
}

```

static const struct file_operations if6_fops = {
@@ -2790,19 +2805,34 @@ static const struct file_operations if6_

```

.open = if6_seq_open,
.read = seq_read,
.llseek = seq_llseek,
- .release = seq_release_private,
+ .release = seq_release_net,
+};
+
```

```
+static int if6_proc_net_init(struct net *net)
```

```
+{
+ if (!proc_net_fops_create(net, "if_inet6", S_IRUGO, &if6_fops))
+     return -ENOMEM;
+     return 0;
+}
```

```
+static void if6_proc_net_exit(struct net *net)
+{
+     proc_net_remove(net, "if_inet6");
}
```

```

+}
+
+static struct pernet_operations if6_proc_net_ops = {
+    .init = if6_proc_net_init,
+    .exit = if6_proc_net_exit,
};

int __init if6_proc_init(void)
{
- if (!proc_net_fops_create(&init_net, "if_inet6", S_IRUGO, &if6_fops))
- return -ENOMEM;
- return 0;
+ return register_pernet_subsys(&if6_proc_net_ops);
}

void if6_proc_exit(void)
{
- proc_net_remove(&init_net, "if_inet6");
+ unregister_pernet_subsys(&if6_proc_net_ops);
}
#endif /* CONFIG_PROC_FS */

--
```

Containers mailing list
 Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
