
Subject: [PATCH iproute2 1/2] Modify neighbour proxy show
Posted by [Tony Zelenoff](#) on Thu, 26 Jan 2012 14:50:04 GMT

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New "ip neigh show proxy" command now can show proxies which were added with "ip neigh add proxy" command. Kernel code to support this feature sent a bit earlier to netdev.

Signed-off-by: Tony Zelenoff <antonz@parallels.com>

```
---  
ip/ipneigh.c | 13 ++++++-----  
1 files changed, 11 insertions(+), 2 deletions(-)  
  
diff --git a/ip/ipneigh.c b/ip/ipneigh.c  
index c8f745e..313cc63 100644  
--- a/ip/ipneigh.c  
+++ b/ip/ipneigh.c  
@@ -209,6 +209,7 @@ int print_neigh(const struct sockaddr_nl *who, struct nlmsghdr *n, void  
*arg)  
    if (filter.index && filter.index != r->ndm_ifindex)  
        return 0;  
    if (!(filter.state&r->ndm_state) &&  
+       !(r->ndm_flags & NTF_PROXY) &&  
       (r->ndm_state || !(filter.state&0x100)) &&  
       (r->ndm_family != AF_DECnet))  
        return 0;  
@@ -267,6 +268,9 @@ int print_neigh(const struct sockaddr_nl *who, struct nlmsghdr *n, void  
*arg)  
    if (r->ndm_flags & NTF_ROUTER) {  
        fprintf(fp, " router");  
    }  
+   if (r->ndm_flags & NTF_PROXY) {  
+       fprintf(fp, " proxy");  
+   }  
    if (tb[NDA_CACHEINFO] && show_stats) {  
        struct nda_cacheinfo *ci = RTA_DATA(tb[NDA_CACHEINFO]);  
        int hz = get_user_hz();  
@@ -314,6 +318,7 @@ int do_show_or_flush(int argc, char **argv, int flush)  
{  
    char *filter_dev = NULL;  
    int state_given = 0;  
+   struct ndmsg ndm = { 0 };  
  
    ipneigh_reset_filter();  
  
@@ -354,7 +359,9 @@ int do_show_or_flush(int argc, char **argv, int flush)  
    if (state == 0)  
        state = 0x100;
```

```
filter.state |= state;
- } else {
+ } else if (strcmp(*argv, "proxy") == 0)
+ ndm.ndm_flags = NTF_PROXY;
+ else {
    if (strcmp(*argv, "to") == 0) {
        NEXT_ARG();
    }
@@ -418,7 +425,9 @@ int do_show_or_flush(int argc, char **argv, int flush)
    return 1;
}

- if (rtnl_wilddump_request(&rth, filter.family, RTM_GETNEIGH) < 0) {
+ ndm.ndm_family = filter.family;
+
+ if (rtnl_dump_request(&rth, RTM_GETNEIGH, &ndm, sizeof(struct ndmsg)) < 0) {
    perror("Cannot send dump request");
    exit(1);
}
--
```

1.7.1
