
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 nlmsg_hdr *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 nlmsg_hdr *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

```
