
Subject: [PATCH 11/17 net-2.6.26] [IPV4]: rt_cache_get_next should take rt_genid into account.

Posted by [den](#) on Tue, 19 Feb 2008 07:31:31 GMT

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In the other case /proc/net/rt_cache will look inconsistent in respect to genid.

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net/ipv4/route.c | 18 ++++++-----
1 files changed, 13 insertions(+), 5 deletions(-)

```
diff --git a/net/ipv4/route.c b/net/ipv4/route.c
index 44708ab..67df872 100644
--- a/net/ipv4/route.c
+++ b/net/ipv4/route.c
@@ -294,7 +294,8 @@ static struct rtable *rt_cache_get_first(struct rt_cache_iter_state *st)
    return r;
}

-static struct rtable *rt_cache_get_next(struct rt_cache_iter_state *st, struct rtable *r)
+static struct rtable *__rt_cache_get_next(struct rt_cache_iter_state *st,
+    struct rtable *r)
{
    r = r->u.dst.rt_next;
    while (!r) {
@@ -307,16 +308,23 @@ static struct rtable *rt_cache_get_next(struct rt_cache_iter_state *st,
    struct rtable *r
    return rcu_dereference(r);
}

+static struct rtable *rt_cache_get_next(struct rt_cache_iter_state *st,
+    struct rtable *r)
+{
+    while ((r = __rt_cache_get_next(st, r)) != NULL) {
+        if (r->rt_genid == st->genid)
+            break;
+    }
+    return r;
+}
+
 static struct rtable *rt_cache_get_idx(struct rt_cache_iter_state *st, loff_t pos)
{
    struct rtable *r = rt_cache_get_first(st);

    if (r)
```

```
- while (pos && (r = rt_cache_get_next(st, r))) {  
-   if (r->rt_genid != st->genid)  
-     continue;  
+   while (pos && (r = rt_cache_get_next(st, r)))  
-     --pos;  
- }  
 return pos ? NULL : r;  
}
```

--

1.5.3.rc5
