
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/route will look inconsistent in respect to genid.

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Acked-by: Alexey Kuznetsov <kuznet@ms2.inr.ac.ru>

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 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
