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

Posted by [den](#) on Wed, 06 Feb 2008 10:53:31 GMT

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In the other case /proc/net/route 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 92ff622..b03de57 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
