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Subject: [PATCH 2/3] Lost locking in fl6\_sock\_lookup  
Posted by [Pavel Emelianov](#) on Thu, 18 Oct 2007 11:53:52 GMT  
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This routine scans the ipv6\_fl\_list whose update is protected with the socket lock and the ip6\_sk\_fl\_lock.

Since the socket lock is not taken in the lookup, use the other one.

Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

```
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diff --git a/net/ipv6/ip6_flowlabel.c b/net/ipv6/ip6_flowlabel.c  
index 8550df2..f40a086 100644  
--- a/net/ipv6/ip6_flowlabel.c  
+++ b/net/ipv6/ip6_flowlabel.c  
@@ -190,14 +190,17 @@ struct ip6_flowlabel * fl6_sock_lookup(struct sock *sk, __be32 label)  
  
    label &= IPV6_FLOWLABEL_MASK;  
  
+ read_lock_bh(&ip6_sk_fl_lock);  
  for (sfl=np->ipv6_fl_list; sfl; sfl = sfl->next) {  
    struct ip6_flowlabel *fl = sfl->fl;  
    if (fl->label == label) {  
+ read_unlock_bh(&ip6_sk_fl_lock);  
    fl->lastuse = jiffies;  
    atomic_inc(&fl->users);  
    return fl;  
  }  
}  
+ read_unlock_bh(&ip6_sk_fl_lock);  
  return NULL;  
}
```

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