Subject: Multicast Join Group does not work from VE on Bridged Interface
Posted by omnisip on Mon, 15 Feb 2010 03:40:39 GMT

View Forum Message <> Reply to Message

Hi guys,

I'm experiencing an issue with multicast group joins from the VEs. All of our VEs use bridged interfaces, so they should have no issue receiving multicast traffic. In fact, they receive all of the 224.0.0.0 link local stuff just fine, but that's because that is broadcasted to all interfaces without discretion.

The issue I'm hitting is that the VEs are joining 239.192.0.251 and they show that they're joined. They send traffic to the group fine, and I think the routers even think they're joined. However, they receive no packets from the group. I'm testing this with dbeacon in VEs.

However, when I put the dbeacon on the host box joining the same group, the VEs that were joined on that box now see their traffic on the group, because the ethernet bridge is like a hub showing all the multicast traffic.

So the net effect is it works on the Host, but not the VE. Does anyone know how to fix this?

Thanks,
Dan

```
# iptables -t nat -L && iptables -t filter -L && iptables -t mangle -L
Chain PREROUTING (policy ACCEPT)
target     prot opt source               destination

Chain POSTROUTING (policy ACCEPT)
target     prot opt source               destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source               destination
Chain INPUT (policy ACCEPT)
target     prot opt source               destination

Chain FORWARD (policy ACCEPT)
target     prot opt source               destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source               destination
Chain PREROUTING (policy ACCEPT)
target     prot opt source               destination
```

```
Chain INPUT (policy ACCEPT)
target     prot opt source               destination

Chain FORWARD (policy ACCEPT)
target     prot opt source               destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source               destination

Chain POSTROUTING (policy ACCEPT)
target     prot opt source               destination
```