

batman-adv - Bug #194

multicast_mode appears to block avahi traffic

09/11/2014 09:52 PM - Bill Richardson

Status:	Closed	Start date:	09/11/2014
Priority:	Normal	Due date:	
Assignee:	Linus Lüßing	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	2014.4.0		

Description

Not sure if this is a batman-adv issue or a kernel, avahi, or openwrt issue...

I've been running OpenWrt r40555 on a handful of ar71xx routers all connected with batman-adv. Avahi has been working great across the mesh, until I updated the firmware on the routers to Barrier-Breaker 14.07.rc2 (r42087). Everything works as expected, except for the forwarding of avahi packets. Avahi now works within the space of a single router but not across the batman-adv mesh.

Batman-adv on the latest rev of OpenWrt has been updated to 2014.2.0 and introduces "multicast_mode" for the first time on OpenWrt. When I disable multicast_mode in batman-adv, my avahi traffic across the mesh works again. With the new multicast_mode enabled (batman-adv's default), avahi does not work across the mesh. It looks as though multicast_mode is blocking the receipt of mdns responses, not the sending of mdns queries.

History

#1 - 02/19/2015 11:40 AM - Marek Lindner

- Assignee set to Linus Lüßing

Linus (the author of the multicast optimizations) suggested upgrading to 2014.4.0. Your problem seems to be known and fixed.

#2 - 02/19/2015 02:11 PM - Linus Lüßing

Like Marek said, please upgrade to 2014.4.0 and let us know whether that helps. For instance just copy the feeds.conf.default to feeds.conf and remove the ";for-14.07" in the line for the routing feed in a recent barrier breaker.

Sorry for replying so late, must have missed this ticket back then.

#3 - 02/27/2015 07:47 PM - Marek Lindner

Could we get an update on whether or not the issue is still existing ? If not, we'd like to close this ticket.

#4 - 02/28/2015 02:49 AM - Bill Richardson

Thanks, I'll try it out when i get a a chance and report back.

#5 - 04/20/2015 11:09 AM - Marek Lindner

Any update ?

#6 - 04/21/2015 07:47 AM - Bill Richardson

Yes, I do believe it is working now.

Following your instructions above, I have the following.

```
Barrier Breaker r44952
batman-adv 2014.4.0
batman-adv multicast_mode enabled
avahi-daemon 0.6.31
WNDR3700v4
```

mdns is crossing the batman-adv mesh with multicast_mode enabled, as expected. Looking forward to experimenting with the optimizations. Thanks [Marek Lindner](#) and @Linus!

#7 - 04/21/2015 09:40 AM - Marek Lindner

- *Status changed from New to Closed*

Thanks for checking!

#8 - 02/11/2017 08:56 AM - Sven Eckelmann

- *Target version set to 2014.4.0*