

alfred - Bug #295

alfred doesn't start if link-local address doesn't match interface mac address

08/28/2016 04:14 AM - Russell Senior

Status:	Rejected	Start date:	08/28/2016
Priority:	Normal	Due date:	
Assignee:	Simon Wunderlich	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			

Description

I noticed this on a ubiquiti bullet m5 when using its ethernet interface in bat0. The bat0 interface is part of a bridge, and in recent LEDE (e.g. , reboot-1444-g1bb914d) the bridge's mac address is not matched by its link-local address. Alfred tries to bind that address, fails and exits. Or something. alfred_2016.2-0_mips_34kc.ipk If the eth0 interface is part of the bridge and not the bat0 interface, then the link-local and mac address match and alfred works fine.

```
# /etc/init.d/alfred restart
/etc/init.d/alfred: waiting 30 secs for br-pub address...
/etc/init.d/alfred: starting alfred
/etc/init.d/alfred: starting batadv-vis
can't connect to unix socket: Connection refused
```

Manually changing the bridge mac address to match the link-local address allows alfred to start. Also /etc/init.d/network restart ; /etc/init.d/alfred/restart sometimes works. Maybe alfred shouldn't assume it can compute the expected link-local address from the mac address.

History

#1 - 08/28/2016 08:38 AM - Sven Eckelmann

- Assignee set to Simon Wunderlich

This is a requirement of alfred. Otherwise the best path calculation of alfred (using the batman-adv TQ) and the synchronization will not work correctly.

[Simon Wunderlich](#): What is your opinion about it?

#2 - 08/31/2016 12:39 PM - Simon Wunderlich

Yes, we expect that the IPv6 link local address matches the interfaces MAC - many assumptions within alfred are built on that fact.

I'm not sure if this is actually in a standard, but all my boxes work like that. If more recent LEDE builds don't do that any more, I would expect a bug in LEDE here.

#3 - 08/31/2016 12:39 PM - Simon Wunderlich

- Status changed from New to Rejected

#4 - 08/31/2016 12:43 PM - Sven Eckelmann

To clarify it: alfred requires RFC4862 stateless link local addresses (which are formed via the mac address) and not ones generated via RFC4941