

batman-adv - Bug #183

Batman-adv 2014.1 does not close handle on interface

04/19/2014 02:10 PM - Ruben Kelevra

Status:	Closed	Start date:	04/19/2014
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	2014.2.0		
Description			
<p>Were using fastd here, for tunneling over the internet the batman-adv packets.</p> <p>Since we try to update to 2014.1 we installed a server, and batman-adv on ArchLinux running Kernel 3.14.1.</p> <p>Batman-adv is compiled from source via AUR¹.</p> <p>On start of fastd we do run</p> <pre>batctl -m mesh-gro if add ffgro-mesh-vpn ip link set up dev mesh-gro brctl addif freifunk-gro mesh-gro</pre> <p>pre-down we run:</p> <pre>brctl delif freifunk-gro mesh-gro batctl -m mesh-gro if del ffgro-mesh-vpn</pre> <p>The kill of fastd is delayed much with the kernel-message</p> <p>unregister_netdevice: waiting for ffgro-mesh-vpn to become free. Usage count = 1</p> <p>I try a downgrade to 2013.4, no such problem occur there.</p> <p>[1] https://aur.archlinux.org/packages/batman-adv/</p>			

History

#1 - 04/22/2014 09:36 AM - Antonio Quartulli

Hi ruben,
This is a known problem on 2014.1.0 for which we have a fix that is not yet part of any release.

You can get the fix either by cloning the maint branch of our git repo, or by using the openwrt-routing feed (but since you are not compiling batman-adv on openwrt, I think that the second option is not applicable).

#2 - 04/25/2014 08:28 AM - Ruben Kelevra

I could send the maintainer of my package a patch file.

Can you provide a link or the checksum of the comit which fixes this?

Thanks in advance

Best regards Ruben

#3 - 05/17/2014 12:19 PM - Ruben Kelevra

The commit 548c938bfef2dfad63d999fc9005f1d387e3d15a look like it would fix this problem, but its still there, so which commit does fix it?

Best regards

Ruben

#4 - 05/17/2014 01:29 PM - Antonio Quartulli

Actually there are more than one commit fixing this problem. Have you tried using the maint branch? That will contain all the needed patches.

Otherwise you can also wait a few days for the new batman-adv-2014.2.0 which will contain all the fixes as well.

#5 - 05/21/2014 12:08 PM - Ruben Kelevra

I think I will wait these days since only reboots affected by this bug in our setup.

Best regards

Ruben

#6 - 05/31/2014 12:04 PM - André Gaul

We're also affected here at Freifunk Berlin with batman-adv-2014.2.0 on openwrt. So, unfortunately, this issue is not fixed by the release mentioned in comment 4.

I experienced the problem after ~2 days of uptime when the wifi device (one of batman's transport interfaces) suddenly became unable to send. After issuing /sbin/wifi the following appears in the log and the last lines are repeated for a long time (forever?).

```
[213108.520000] device wlan0-1 left promiscuous mode
[213108.520000] br-batmesh: port 2(wlan0-1) entered disabled state
[213108.700000] batman_adv: bat0: Interface deactivated: wlan0-adhoc-5
[213108.970000] batman_adv: bat0: Removing interface: wlan0-adhoc-5
[213119.130000] unregister_netdevice: waiting for wlan0-adhoc-5 to become free. Usage count = 1
[213129.270000] unregister_netdevice: waiting for wlan0-adhoc-5 to become free. Usage count = 1
[213139.410000] unregister_netdevice: waiting for wlan0-adhoc-5 to become free. Usage count = 1
...
```

Seems like rebooting is the only option when this happens. Please let me know if and how I can help to investigate the problem.

#7 - 05/31/2014 12:10 PM - Marek Lindner

2014.2.0 has not officially been released yet. How did you test this version ?

#8 - 05/31/2014 12:47 PM - André Gaul

Oh, there is a tag for this version (2014.2.0), cf. <https://git.open-mesh.org/batman-adv.git/tag/32c8319fb5590f12fbac0364d9a36fb2766c1b1d> . That's what I used for testing. Does this version contain the mentioned fixes for this bug?

#9 - 06/03/2014 08:27 AM - Antonio Quartulli

Yes, it does.

However we know that this problem is not 100% solved, but we are not able to reproduce it anymore, so we haven't been able to investigate it any further. Do you know how to consistently trigger this issue with 2014.2.0 ?

#10 - 06/03/2014 09:30 AM - André Gaul

Thanks for the clarification! :) By now I don't know how to reproduce this consistently but I just observed the behavior this night on one of my openwrt routers again (see the [dmesg output](#)). The router runs openwrt trunk (r40839) and runs olsrd as well as batman-adv on multiple interfaces (wifi and eth, see the [full configuration](#)). All transport interfaces of batman-adv seem to be unusable after this happens.

I'll setup another router with only batman-adv and I'll investigate how I can reproduce the bug.

#11 - 07/12/2014 08:14 PM - Ruben Kelevra

In my setup this problem seems fixed.

#12 - 07/14/2014 04:52 PM - André Gaul

Hey Ruben, what have you changed since then?

#13 - 07/27/2014 06:33 PM - Ruben Kelevra

Updated from 2014.1 to 2014.2

#14 - 07/27/2014 06:35 PM - Marek Lindner

Can you reliably reproduce the issue on the latest batman-adv ? If so, we can supply some debug patches to track it down.

#15 - 02/18/2015 01:27 PM - Marek Lindner

Any update or shall we close the ticket ?

#16 - 02/18/2015 10:17 PM - Ruben Kelevra

I'm sorry, never read your latest response 7 month ago. The issue was completely fixed in 2014.2 in my setup! Good work, thank your for your time and effort! (:

#17 - 02/19/2015 04:13 AM - Marek Lindner

- Status changed from New to Closed

Ok, thanks for the info!

#18 - 05/30/2015 12:35 AM - Bjoern Franke

I have a similar issue with 2015.0 running Kernel 4.0.0-1 under Debian Jessie.

[93792.512073] unregister_netdevice: waiting for bat0 to become free. Usage count = 3

[93797.393717] unregister_netdevice: waiting for ffrtransit to become free. Usage count = 1

#19 - 05/30/2015 02:11 AM - Ruben Kelevra

Does this issue still occur with 4.0.4 Kernel? This is the one we run atm.

#20 - 07/14/2015 02:24 PM - Milan Pässler

I have this issue with kernel version 4.0.7 and batman-adv v2015.0 from the AUR.

#21 - 07/15/2015 01:53 AM - Ruben Kelevra

Since it does not occur here anymore, it might be setup-related. Please provide a "batctl if" an "ip link" and an "brctl show" dump as well as the setup-scripts.

#22 - 07/15/2015 12:04 PM - Sven Eckelmann

Please first try the maint branch (it is 2015.0 + bug fixes at the moment). Especially commit:3c92b633715b7eca80dc7a2347e0e4dbcce1f018 ("batman-adv: initialize up/down values when adding a gateway").

Btw. this ticket is closed since 5 months.

#23 - 07/31/2015 03:14 AM - Ruben Kelevra

Sven Eckelmann wrote:

Btw. this ticket is closed since 5 months.

Thanks for the hint, so please reopen it. We cant.

Please first try the maint branch (it is 2015.0 + bug fixes at the moment). Especially commit:3c92b633715b7eca80dc7a2347e0e4dbcce1f018 ("batman-adv: initialize up/down values when adding a gateway").

I don't think this fix does fix the issue, since we do not have this issues on our gateway, and others do I think we have fixed it with some config-changes. So we need the configs or documentations from Milan.

Best regards

Ruben

#24 - 07/31/2015 08:51 AM - Marek Lindner

Ruben Kelevra wrote:

Please first try the maint branch (it is 2015.0 + bug fixes at the moment). Especially

commit:3c92b633715b7eca80dc7a2347e0e4dbcce1f018 ("batman-adv: initialize up/down values when adding a gateway").

I don't think this fix does fix the issue, since we do not have this issues on our gateway, and others do I think we have fixed it with some config-changes. So we need the configs or documentations from Milan.

The point was: Try the latest version. Nobody here as any spare time to waste on hunting an already fixed bug.

Feel free to to open a new ticket with the latest stable version tested.

Thanks!

#25 - 08/09/2015 09:17 AM - Milan Pässler

Seems to be some kind of ghost bug :(
I can't remember that I changed anything at all, but I can't reproduce it anymore.

#26 - 02/11/2017 07:13 PM - Sven Eckelmann

- *Target version set to 2014.2.0*