

batman-adv - Bug #228

Workqueue: bat_events batadv_send_outstanding_bat_ogm_packet

01/09/2016 02:33 PM - Paulo da Silva

Status:	Closed	Start date:	01/09/2016
Priority:	Normal	Due date:	
Assignee:	Paulo da Silva	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	2016.2		
Description			
Since a few days I have several kernel-crashes in the same point of code. I'm using 2015.1 from linux-image-4.2.0-0.bpo.1-amd64/4.2.6-3~bpo8+2 debian/8.2			
Attached a kernel-trace.			
Related issues:			
Related to batman-adv - Bug #223: Kernel Crash when using more than one inter...		Closed	08/20/2015
Related to batman-adv - Bug #217: Oops: "Unable to handle kernel paging reque...		Closed	06/04/2015

History

#1 - 01/09/2016 09:58 PM - Sven Eckelmann

- Assignee set to Simon Wunderlich

This is not a crash but a warning shown when a queued packet (ogm) for an interface doesn't "belong" anymore to its original batman interface: https://kernel.googlesource.com/pub/scm/linux/kernel/git/tytso/ext4/+v4.2.6/net/batman-adv/bat_iv_ogm.c#522

This warning was introduced by: <https://git.open-mesh.org/batman-adv.git/commit/29b9256e6631876d4f1719f4d5e13d7ee140c61b>

#2 - 01/09/2016 10:34 PM - Paulo da Silva

- File Bildschirmfoto vom 2016-01-09 12_40_22.png added

Sorry! I looked at the trace again and found, that short after that warning, there was an other similar warning. I have no experience with kernel traces, but it looks like a crash.

Unfortunately I have only a screen-shot. Maybe this is related?

#3 - 01/16/2016 02:50 PM - Paulo da Silva

I have setup both server to save crashes in /var/crashes in case someone will need that information for debugging. Server are crashing ca. once a day.

#4 - 01/23/2016 07:22 PM - Stefan Hoffmann

We have the same issue. Every Supernode is Crashing with the same Kernel Panic every time a Interface is removed from batman.

#5 - 01/24/2016 06:28 AM - Antonio Quartulli

Stefan,
not sure you have tried all the latest bugfixes?
In any case, they can be found in the new [2016.0 release](#).

#6 - 01/24/2016 05:48 PM - Stefan Hoffmann

Hi,

i,ve tested the Release today, but i have the same issue.

#7 - 01/24/2016 09:19 PM - Paulo da Silva

I changed the design, so that interfaces are not added to bat0, but to a bridge that is added to bat0. This should be a feasible workaround. Will report in some days.

#8 - 01/25/2016 04:15 AM - Antonio Quartulli

[Stefan Hoffmann](#): is your kernel crash exactly the same as the one shown by Paulo in Bildschirmfoto vom 2016-01-09 12_40_22.png ? If not, could you please share the stacktrace?

Sounds like something you can reproduce easily, right ?
Would you mind explaining a bit more about your setup?
What do you mean with "Supernode"?
How are its interfaces configured?
What do you exactly do to create the crash?
How long does it take to crash ?

@Paulo: this is not really the same because batman-adv will consider all the peers behind the bridge like being on the same link and won't be able to distinguish the interfaces. But it might be a temporary workaround to avoid the crash.

#9 - 05/02/2016 09:44 PM - Sven Eckelmann

Did anyone try v2016.1?

#10 - 05/27/2016 05:28 PM - Paulo da Silva

Sorry. I lost my test-bed. The system is „productive“ now with 300 nodes connected. As I described, I connect all subinterfaces to a bridge, witch is „stable“ connected to the batman-interface. I'll try to get an new system, but not sure, if I'll try the old setup, as the new one is working very stable.

#11 - 05/29/2016 10:44 PM - Sven Eckelmann

Maybe waiting for v2016.2 is also not a bad idea. At least I hope to get following patch (or a variant of it) merged for this release:
<https://patchwork.open-mesh.org/project/b.a.t.m.a.n./patch/1464588694-19855-1-git-send-email-sven@narfation.org/>

It tackles a weird memory corruption problem. A memory corruption problem like the one you may have here.

#12 - 05/31/2016 09:41 AM - Sven Eckelmann

- Related to Bug #223: Kernel Crash when using more than one interface in bat0 added

#13 - 05/31/2016 08:37 PM - Sven Eckelmann

- Related to Bug #217: Oops: "Unable to handle kernel paging request" in batadv_tt_local_remove added

#14 - 06/18/2016 11:42 AM - Sven Eckelmann

- Assignee changed from Simon Wunderlich to Paulo da Silva

- Status changed from New to Feedback

batman-adv 2016.2 was released last week. I suspect that this release fixes this problem. At least I have reports from Freifunk Darmstadt and Freifunk Chemnitz that an included patch solved a similar problem for them.

This ticket doesn't seem to show a lot activity anymore and thus I would like to close it soon to avoid a dead but still open ticket without a chance to mark it as fixed. I will wait until mid of July for feedback but will close this ticket if nothing happens.

#15 - 07/16/2016 11:13 PM - Sven Eckelmann

- Status changed from Feedback to Closed

Closing due to inactivity (and success reports from [#223](#))

#16 - 02/11/2017 08:43 AM - Sven Eckelmann

- Target version set to 2016.2

Files

trace-2016-01-09-01.txt	3.82 KB	01/09/2016	Paulo da Silva
Bildschirmfoto vom 2016-01-09 12_40_22.png	16.3 KB	01/09/2016	Paulo da Silva