

batman-adv - Bug #124

batman-adv 0.2-alpha: possible[tm] regression in packet aggregation

02/13/2009 06:46 PM - Simon Wunderlich

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version: 0.2	

Description
Assume we have 2 "threads":

Thread1:
add_packet_list()
-> set_outstanding_packets_timer()
calls spin_trylock(&packets_timer_lock), acquires the lock, and calls
-> cancel_delayed_work_sync(&send_outstanding_packets_wq);

Thread 2:
Workqueue threads, calls
-> set_oustanding_packets()

Assumption:
Thread 2 jumps between the spin_trylock() and cancel_delayed_work_sync(). Then Thread 1 holds, Thread 2 tries to acquire it and waits. Thread 1 then waits for Thread 2 to complete within cancel_delayed_work_sync(). This is a deadlock/lifelock.
Its not very likely that it happens, but it might happen, so i'm opening this ticket. ;)

History

#1 - 07/14/2009 08:27 AM - Marek Lindner

- Status changed from New to Closed

has been fixed in r1247

#2 - 03/26/2011 09:28 PM - Anonymous

- Assignee deleted (Anonymous)

- Category set to 2

#3 - 02/11/2017 09:46 AM - Sven Eckelmann

- Target version set to 0.2