

batctl - Bug #367

Show TQ in batctl neighbors

11/29/2018 01:27 AM - Martin Weinelt

Status:	Rejected	Start date:	11/29/2018
Priority:	Normal	Due date:	
Assignee:	Martin Weinelt	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Currently batctl neighbors shows interface, mac and last-seen. It would be helpful if I could see the TQ towards the neighbor as well. This would reduce the need to grep the originators list for the chosen path.			

History

#1 - 12/18/2018 04:11 PM - Sven Eckelmann

This is currently a problem. The TQ (unlike the throughput from B.A.T.M.A.N. V) is a per batadv_neigh_ifinfo and not a per batadv_hardif_neigh_node. And the neighbor table dump prints the info from batadv_hardif_neigh_node and not batadv_neigh_ifinfo.

Getting the TQ for a hardif_neigh_node would require to:

- traverse all batadv_neigh_nodes to find the correct originator address of the neighbor
- traverse the batadv_neigh_node.ifinfo_list to find the correct interface

And I most likely missed something regarding the filtering of batadv_neigh_node in the first step. The splitted concept between originator and neighboring address was introduced with ELP - something which is not used by B.A.T.M.A.N. IV

Due to this problem, it seems to be more efficient to handle this mapping in userspace (over all entries) instead of doing it in the kernel and start a search for each entry.

#2 - 12/18/2018 05:56 PM - Sven Eckelmann

- File neighbor_extend_dump.py added

Here is an example implementation in python3 (with python3-pyroute2):

IF	Neighbor	last-seen	TQ
vpn-pl	be:02:25:d6:b4:af	4.604s	255
vpn-pl	36:fe:e7:cb:53:37	1.556s	255
vpn-pl	66:25:a7:48:37:ff	4.244s	255
vpn-pl	36:b8:c6:f6:09:f7	1.024s	255
vpn-pl	be:ff:aa:b2:aa:bf	1.728s	255
vpn-pl	9e:d1:ef:18:b8:af	0.404s	254
vpn-pl	0e:68:8c:7c:0f:1f	4.464s	255
vpn-pl	3a:fe:63:02:7b:47	4.312s	255
vpn-pl	82:ab:f2:bf:67:0f	0.580s	255
vpn-pl	a6:2e:81:c8:69:cf	2.028s	255
vpn-pl	62:d8:1e:4c:81:ef	4.800s	255
vpn-pl	ee:dc:e8:f3:87:9f	3.716s	255
vpn-pl	26:d6:de:58:d8:bf	4.504s	247
vpn-pl	e2:61:cd:1d:db:8f	4.200s	255
vpn-pl	0a:35:c3:ba:90:67	4.496s	255
vpn-pl	de:d1:59:0f:12:07	2.192s	255

vpn-pl	9a:ff:32:44:c6:af	4.876s	255
vpn-pl	7a:9e:b4:9e:96:1f	0.728s	255
vpn-pl	32:ad:f4:8d:2f:27	2.140s	255
vpn-pl	42:ca:27:43:5f:ff	2.116s	255
vpn-pl	0e:a0:e5:a6:6e:ff	0.556s	254
vpn-pl	b2:95:32:c5:78:b7	1.068s	255
vpn-pl	5a:47:22:b6:53:d7	3.092s	255
vpn-pl	2e:59:4a:d4:fa:6f	0.316s	253
vpn-pl	e2:db:07:2a:d1:cf	3.032s	255
vpn-pl	aa:9f:ae:79:f3:07	0.708s	255
vpn-pl	72:f6:a3:7c:06:77	4.484s	255
vpn-pl	f2:01:9d:f4:42:af	2.552s	255
vpn-pl	ee:11:2a:03:79:ef	0.644s	255
vpn-pl	6e:69:40:4d:8e:17	2.856s	255
vpn-pl	7e:6c:df:da:65:ff	2.676s	255
vpn-pl	fe:2c:91:68:29:2f	0.320s	254
vpn-pl	46:89:c3:64:00:07	4.360s	255
vpn-pl	6e:ea:3f:81:86:9f	2.852s	255
vpn-pl	52:15:6a:a7:1c:37	0.900s	255
vpn-pl	0e:e3:7a:db:44:b7	5.032s	255
vpn-pl	3a:26:91:bd:44:af	2.460s	255
vxlan-pl	02:47:89:00:03:01	4.952s	251
vxlan-pl	02:47:89:00:06:01	3.536s	255
vxlan-pl	02:47:89:00:04:01	1.116s	255
vxlan-pl	02:47:89:00:05:01	1.656s	255

#3 - 05/01/2020 07:45 PM - Marek Lindner

- Assignee changed from *batman-adv developers* to *Martin Weinelt*

- Status changed from *New* to *Feedback*

Martin,

Sven's suggestion was probably meant for you. This ticket has been left unanswered for a while. Any objection to closing it ?

Thanks,

Marek

#4 - 05/01/2020 08:40 PM - Marek Lindner

- Target version set to *2020.2*

- Status changed from Feedback to Closed

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<hexa-> marec: no objection from me  
<hexa-> didn't notice the script until now
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#5 - 05/01/2020 09:43 PM - Sven Eckelmann

- Target version deleted (2020.2)

- Status changed from Closed to Rejected

There was no change in this for 2020.2. So please don't mark it as such. If you think it is invalid then mark it as rejected

Files

neighbor_extend_dump.py	6.91 KB	12/18/2018	Sven Eckelmann
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