batman-adv - Bug #409

DAT: received packet on bat0.20/eth0 with own address as source address

04/22/2020 12:48 PM - Matteo Fortini

Status:	In Progress	**Start date:**	04/22/2020
Priority:	Normal	**Due date:**	
Assignee:	Matteo Fortini	**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:			

Description

I have a batman-adv network with four (openwrt 19.07.2) nodes on an 802.11s mesh, two of which are connected by ethernet, too:

- batman is active on the mesh interface for all nodes, has two VLANs defined (bat0.20 and bat0.107).
  - bat0.20 is the "private" VLAN and is bridged to the ethernet network and a wifi SSID*
- bat0.107 is bridged to a secondary wifi SSID
- All the bridges have STP off, while batman has bl active
  - batman-adv is correctly finding the backbone and the two wired nodes see each other as neighbors in the bbt.
- I changed the MAC address of all wifi interfaces and of the wired ones so that I have no duplicate MAC addresses on the network. See mac address...See mac address...

```
bat0      Link encap:Ethernet  HWaddr BA:03:29:67:EF:22
bat0.107  Link encap:Ethernet  HWaddr BA:03:29:67:EF:22
bat0.20   Link encap:Ethernet  HWaddr BA:03:29:67:EF:22
br-IOT    Link encap:Ethernet  HWaddr 92:83:C4:00:C3:A4
br-pvtlan Link encap:Ethernet  HWaddr 96:83:C4:00:C3:98
eth0      Link encap:Ethernet  HWaddr 94:83:C4:00:C3:97
eth0.1    Link encap:Ethernet  HWaddr 96:83:C4:00:C3:9A
eth0.2    Link encap:Ethernet  HWaddr 96:83:C4:00:C3:AA
ifb4pppoe-wan Link encap:Ethernet  HWaddr 3E:AB:72:AC:68:E9
mesh0     Link encap:Ethernet  HWaddr 92:83:C4:00:C3:A2
wlan0-1   Link encap:Ethernet  HWaddr 92:83:C4:00:C3:A0
wlan0-2   Link encap:Ethernet  HWaddr 92:83:C4:00:C3:A4
```

In the logs I have every 30s or so the "received packet on bat0.20 with own address..." message.

I can reproduce the problem with DAT enabled, if I disable DAT just on the offending nodes, the problem goes away

Moreover, sometimes the message is repeated much more frequently, as you can see here (the MAC address is unique in all the network):

See log...See log...

```
Wed Apr 22 10:41:46 2020 [1587552106.093] kern.warn kernel: [59860.042409] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:41:46 2020 [1587552106.094] kern.warn kernel: [59860.053363] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.686] kern.warn kernel: [59922.632640] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.686] kern.warn kernel: [59922.645463] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.699] kern.warn kernel: [59922.659110] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.714] kern.warn kernel: [59922.671797] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.727] kern.warn kernel: [59922.685158] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.739] kern.warn kernel: [59922.698085] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
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Wed Apr 22 10:42:48 2020 [1587552168.750] kern.warn kernel: [59922.710141] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.768] kern.warn kernel: [59922.725354] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.781] kern.warn kernel: [59922.740271] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.795] kern.warn kernel: [59922.753516] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.811] kern.warn kernel: [59922.769701] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.837] kern.warn kernel: [59922.784099] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.837] kern.warn kernel: [59922.796203] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.850] kern.warn kernel: [59922.809413] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.905] kern.warn kernel: [59922.852131] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.905] kern.warn kernel: [59922.864420] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.918] kern.warn kernel: [59922.877994] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.933] kern.warn kernel: [59922.891606] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.945] kern.warn kernel: [59922.904572] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.958] kern.warn kernel: [59922.917447] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.972] kern.warn kernel: [59922.930617] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:48 2020 [1587552168.987] kern.warn kernel: [59922.945291] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.000] kern.warn kernel: [59922.959291] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.025] kern.warn kernel: [59922.972003] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.025] kern.warn kernel: [59922.984321] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.038] kern.warn kernel: [59922.997442] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.065] kern.warn kernel: [59923.011990] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.065] kern.warn kernel: [59923.024376] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.079] kern.warn kernel: [59923.038818] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.129] kern.warn kernel: [59923.075739] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.129] kern.warn kernel: [59923.088182] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.142] kern.warn kernel: [59923.101371] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.156] kern.warn kernel: [59923.115845] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.169] kern.warn kernel: [59923.128130] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.180] kern.warn kernel: [59923.140130] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.194] kern.warn kernel: [59923.152668] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:42:49 2020 [1587552169.212] kern.warn kernel: [59923.171584] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:15 2020 [1587552195.951] kern.warn kernel: [59949.906388] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:16 2020 [1587552196.321] kern.warn kernel: [59950.269484] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:16 2020 [1587552196.321] kern.warn kernel: [59950.280371] br-pvtlan: received pac
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ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:16 2020 [1587552196.601] kern.warn kernel: [59950.546417] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:16 2020 [1587552196.602] kern.warn kernel: [59950.560768] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:16 2020 [1587552196.894] kern.warn kernel: [59950.842847] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:16 2020 [1587552196.894] kern.warn kernel: [59950.853728] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:17 2020 [1587552197.033] kern.warn kernel: [59950.982122] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:17 2020 [1587552197.034] kern.warn kernel: [59950.993012] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:19 2020 [1587552199.442] kern.warn kernel: [59953.378814] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:19 2020 [1587552199.453] kern.warn kernel: [59953.389741] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:19 2020 [1587552199.572] kern.warn kernel: [59953.521261] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:20 2020 [1587552200.452] kern.warn kernel: [59954.373032] br-pvtlan: received pac
ket on eth0.2 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:20 2020 [1587552200.452] kern.warn kernel: [59954.383876] br-pvtlan: received pac
ket on eth0.2 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:20 2020 [1587552200.452] kern.warn kernel: [59954.400793] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:20 2020 [1587552200.453] kern.warn kernel: [59954.411769] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.097] kern.warn kernel: [59955.034699] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.097] kern.warn kernel: [59955.045970] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.098] kern.warn kernel: [59955.056856] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.126] kern.warn kernel: [59955.077951] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.275] kern.warn kernel: [59955.124209] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.276] kern.warn kernel: [59955.138702] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.278] kern.warn kernel: [59955.149588] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.279] kern.warn kernel: [59955.163822] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.281] kern.warn kernel: [59955.177733] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.283] kern.warn kernel: [59955.193149] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.284] kern.warn kernel: [59955.204226] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.286] kern.warn kernel: [59955.217875] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.286] kern.warn kernel: [59955.230327] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.300] kern.warn kernel: [59955.259884] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.321] kern.warn kernel: [59955.273602] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:43:21 2020 [1587552201.390] kern.warn kernel: [59955.347076] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:44:30 2020 [1587552270.575] kern.warn kernel: [60024.523452] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:44:30 2020 [1587552270.575] kern.warn kernel: [60024.534409] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:44:40 2020 [1587552280.098] kern.warn kernel: [60034.045772] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:44:40 2020 [1587552280.099] kern.warn kernel: [60034.057617] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
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Wed Apr 22 10:44:40 2020 [1587552280.127] kern.warn kernel: [60034.073480] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:44:40 2020 [1587552280.127] kern.warn kernel: [60034.086205] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:44:40 2020 [1587552280.141] kern.warn kernel: [60034.100187] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:44:40 2020 [1587552280.155] kern.warn kernel: [60034.113136] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:44:40 2020 [1587552280.167] kern.warn kernel: [60034.126583] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:44:40 2020 [1587552280.183] kern.warn kernel: [60034.140927] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:44:40 2020 [1587552280.197] kern.warn kernel: [60034.156150] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 10:44:40 2020 [1587552280.220] kern.warn kernel: [60034.177078] br-pvtlan: received pac
ket on bat0.20 with own address as source address (addr:96:83:c4:00:c3:98, vlan:0)
```

Related issues:

Related to batman-adv - Bug #170: br-lan: received packet on bat0 with own ad...	**Closed**	**05/06/2013**

History

#1 - 04/22/2020 01:00 PM - Sven Eckelmann

- Assignee changed from batman-adv developers to Simon Wunderlich

#2 - 04/22/2020 01:02 PM - Sven Eckelmann

What packet is reported here? Did you check for uevent BATADV_UEV_LOOPDETECT? Is the mac address of the br-pvtlan the same as bat0?

#3 - 04/22/2020 01:33 PM - Sven Eckelmann

- Assignee changed from Simon Wunderlich to Matteo Fortini

- Status changed from New to Feedback

#4 - 04/22/2020 01:46 PM - Matteo Fortini

I add that the two nodes connected to the wired network are the only ones seeing the issue, the wireless ones are not saying anything.

#5 - 04/22/2020 01:49 PM - Matteo Fortini

Sven Eckelmann wrote:

> What packet is reported here? Did you check for uevent BATADV_UEV_LOOPDETECT? Is the mac address of the br-pvtlan the same as bat0?

The mac address of the bridge used to be the same, then I changed it. Problem is still there. I haven't checked the uevent, I will look into it

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bat0      Link encap:Ethernet  HWaddr BA:03:29:67:EF:22
bat0.107  Link encap:Ethernet  HWaddr BA:03:29:67:EF:22
bat0.20   Link encap:Ethernet  HWaddr BA:03:29:67:EF:22
br-IOT    Link encap:Ethernet  HWaddr 92:83:C4:00:C3:A4
br-pvtlan Link encap:Ethernet  HWaddr 96:83:C4:00:C3:98
eth0      Link encap:Ethernet  HWaddr 94:83:C4:00:C3:97
eth0.1    Link encap:Ethernet  HWaddr 96:83:C4:00:C3:9A
eth0.2    Link encap:Ethernet  HWaddr 96:83:C4:00:C3:AA
ifb4pppoe-wan Link encap:Ethernet  HWaddr 3E:AB:72:AC:68:E9
mesh0     Link encap:Ethernet  HWaddr 92:83:C4:00:C3:A2
wlan0-1   Link encap:Ethernet  HWaddr 92:83:C4:00:C3:A0
wlan0-2   Link encap:Ethernet  HWaddr 92:83:C4:00:C3:A4
```

#6 - 04/22/2020 06:21 PM - Matteo Fortini

Sven Eckelmann wrote:

> What packet is reported here? Did you check for uevent BATADV_UEV_LOOPDETECT? Is the mac address of the br-pvtlan the same as bat0?

Sorry, how do I dump the uevents in openwrt? I tried procd but it seems I haven't found the right command line yet. Thank you

#7 - 04/22/2020 07:42 PM - Matteo Fortini

The packets seem to be ARP requests.

(I have DAT enabled)

logread...logread...

```
Wed Apr 22 17:39:47 2020 kern.warn kernel: [ 6674.547387] br-pvtlan: received packet on eth0.2 with own addres
s as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:39:47 2020 kern.warn kernel: [ 6674.558329] br-pvtlan: received packet on eth0.2 with own addres
s as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:39:47 2020 kern.warn kernel: [ 6674.570208] br-pvtlan: received packet on bat0.20 with own addre
ss as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:39:47 2020 kern.warn kernel: [ 6674.581221] br-pvtlan: received packet on bat0.20 with own addre
ss as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:40:06 2020 kern.warn kernel: [ 6694.292656] br-pvtlan: received packet on eth0.2 with own addres
s as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:40:06 2020 kern.warn kernel: [ 6694.303584] br-pvtlan: received packet on eth0.2 with own addres
s as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:40:07 2020 kern.warn kernel: [ 6694.315632] br-pvtlan: received packet on bat0.20 with own addre
ss as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:40:07 2020 kern.warn kernel: [ 6694.326606] br-pvtlan: received packet on bat0.20 with own addre
ss as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:40:09 2020 kern.warn kernel: [ 6696.397047] br-pvtlan: received packet on bat0.20 with own addre
ss as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:40:09 2020 kern.warn kernel: [ 6696.408020] br-pvtlan: received packet on bat0.20 with own addre
ss as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:40:09 2020 kern.warn kernel: [ 6696.420887] br-pvtlan: received packet on eth0.2 with own addres
s as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:40:09 2020 kern.warn kernel: [ 6696.431805] br-pvtlan: received packet on eth0.2 with own addres
s as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:40:09 2020 kern.warn kernel: [ 6696.796379] br-pvtlan: received packet on bat0.20 with own addre
ss as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:40:09 2020 kern.warn kernel: [ 6696.807339] br-pvtlan: received packet on bat0.20 with own addre
ss as source address (addr:96:83:c4:00:c3:98, vlan:0)
Wed Apr 22 17:40:22 2020 kern.warn kernel: [ 6709.356428] net_ratelimit: 603 callbacks suppressed
Wed Apr 22 17:40:22 2020 kern.warn kernel: [ 6709.356444] br-pvtlan: received packet on bat0.20 with own addre
ss as source address (addr:96:83:c4:00:c3:98, vlan:0)
```

tcpdump...tcpdump...

```
tcpdump -vvvn -i bat0.20 ether src '96:83:c4:00:c3:98'
tcpdump: listening on bat0.20, link-type EN10MB (Ethernet), capture size 262144 bytes
17:38:10.754333 ARP, Ethernet (len 6), IPv4 (len 4), Reply 0.0.0.0 is-at 92:83:c4:00:c3:a2, length 28
17:38:10.754257 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.172 tell 192.168.99.1, length
46
17:38:30.273039 IP (tos 0xc0, ttl 1, id 0, offset 0, flags [DF], proto IGMP (2), length 32, options (RA))
    0.0.0.0 > 224.0.0.1: igmp query v2
17:39:47.221090 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.235 tell 192.168.99.1, length
28
17:39:47.236136 ARP, Ethernet (len 6), IPv4 (len 4), Reply 0.0.0.0 is-at 82:16:f9:9b:cd:44, length 46
17:39:47.247056 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.235 tell 192.168.99.1, length
46
17:39:47.247551 ARP, Ethernet (len 6), IPv4 (len 4), Reply 0.0.0.0 is-at 92:83:c4:00:c3:a2, length 28
```

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17:39:47.247482 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.235 tell 192.168.99.1, length
46
17:39:48.273121 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.235 tell 192.168.99.1, length
28
17:39:49.313075 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.235 tell 192.168.99.1, length
28
17:40:06.968091 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.8 tell 192.168.99.1, length 28
17:40:06.981485 ARP, Ethernet (len 6), IPv4 (len 4), Reply 0.0.0.0 is-at 82:16:f9:9b:cd:44, length 46
17:40:06.992371 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.8 tell 192.168.99.1, length 46
17:40:06.993428 ARP, Ethernet (len 6), IPv4 (len 4), Reply 0.0.0.0 is-at 92:83:c4:00:c3:a2, length 28
17:40:06.993353 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.8 tell 192.168.99.1, length 46
17:40:08.033108 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.8 tell 192.168.99.1, length 28
17:40:09.073097 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.8 tell 192.168.99.1, length 28
17:40:09.074997 ARP, Ethernet (len 6), IPv4 (len 4), Reply 0.0.0.0 is-at 92:83:c4:00:c3:a2, length 28
17:40:09.074918 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.8 tell 192.168.99.1, length 46
17:40:09.109728 ARP, Ethernet (len 6), IPv4 (len 4), Reply 0.0.0.0 is-at 82:16:f9:9b:cd:44, length 46
17:40:09.120608 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.8 tell 192.168.99.1, length 46
17:40:09.474329 ARP, Ethernet (len 6), IPv4 (len 4), Reply 0.0.0.0 is-at 92:83:c4:00:c3:a2, length 28
17:40:09.474257 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.498047 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.503481 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.504918 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.506270 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.508224 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.509708 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.515506 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.517086 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.518372 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.519762 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.521324 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.522746 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.527064 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.528575 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.530109 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.532059 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.533931 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.535296 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.536883 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.539079 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.540533 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.542247 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.546354 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.548281 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.549636 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.551442 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.553043 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.554644 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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46
17:40:09.556526 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.557477 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.558929 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.560225 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.561747 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.563784 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.566709 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.569028 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.571248 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.574813 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.576306 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.578386 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.580017 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.581606 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.583220 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.584532 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.585795 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.587186 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.588804 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.590866 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.592444 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.597247 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.598449 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.600192 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.604999 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.606373 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.607981 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.609605 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.612034 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.613531 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.619085 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.622662 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.624119 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.625763 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.629687 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.631621 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.633331 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
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17:40:09.634730 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.636292 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:09.638739 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.640941 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.642366 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.649701 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.715291 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.721022 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.722481 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.726783 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.731879 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.736064 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.737631 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.739110 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.740918 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.744996 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.746739 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.751196 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.752818 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.754584 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.756028 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:09.757306 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
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17:40:10.478621 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.566103 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.604848 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.612323 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.616575 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.623579 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.623660 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.632277 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.636684 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.647683 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.653762 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.658293 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.669186 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.673811 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.675995 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.681389 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.684850 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.685311 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.686881 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
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17:40:10.686962 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.156 tell 192.168.99.1, length
46
17:40:22.034404 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.99.123 tell 192.168.99.1, length
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#8 - 04/22/2020 07:45 PM - Matteo Fortini

I can reproduce the problem with DAT enabled, if I disable DAT just on the offending nodes, the problem goes away

#9 - 04/23/2020 09:06 AM - Sven Eckelmann

- Related to Bug #170: br-lan: received packet on bat0 with own address as source address added

#10 - 04/23/2020 09:20 AM - Sven Eckelmann

- Assignee changed from Matteo Fortini to Antonio Quartulli

- Status changed from Feedback to In Progress

- Description updated

- Subject changed from received packet on bat0.20/eth0 with own address as source address storming the network to DAT: received packet on bat0.20/eth0 with own address as source address

I can reproduce the problem with DAT enabled, if I disable DAT just on the offending nodes, the problem goes away

Ok, so it sounds like a bug for the DAT author.

Regarding loopdetect. I think you can manually install udevadmin (in a really manual way) to get the monitor command. Maybe Linus can add some note about this (in case it is easy enough to explain).

The other way would be to install an hotplug script which logs the things. Just create a file called /etc/hotplug.d/net/99-batman-adv-ev. Inside this file you can react to various events from batman-adv. Just from my memory, it should work somewhat like this:

```
#!/bin/sh

batadv_uev_gw()
{
    case "$BATACTION" in
    add)
        echo "uev gw add $BATDATA"|logger -t batadv
        ;;
    change)
        echo "uev gw change $BATDATA"|logger -t batadv
        ;;
    del)
        echo "uev gw del"|logger -t batadv
        ;;
    esac
}

batadv_uev_bla()
{
    case "$BATACTION" in
    loopdetect)
        echo "uev loopdetect on vid $BATDATA"|logger -t batadv
        ;;
    esac
}

case "$BATTYPE" in
gw)
    batadv_uev_gw
    ;;
bla)
    batadv_uev_bla
    ;;
esac
```

#11 - 04/23/2020 09:23 AM - Sven Eckelmann

- Description updated

#12 - 05/01/2020 07:42 PM - Marek Lindner

- Assignee changed from Antonio Quartulli to Matteo Fortini

Hi Matteo,

I am one of the thinkers behind DAT - it sounds a bit odd that DAT would cause loops. DAT only reacts to ARP packets created by non-mesh clients.

To better understand, can you take a packet capture with tcpdump of the looping packets and attach the pcap to this ticket ? This will allow us to understand what packet is looping.

Also, can you explain the simplest possible setup to reproduce this loop ? Meaning: which interfaces can you eliminate and still get the loop ? What type of non-mesh client needs to be connected where ? Or does the loop even begin without any client ?

Thanks,
Marek