

batman-adv - Bug #170

br-lan: received packet on bat0 with own address as source address

05/06/2013 11:00 AM - Carlos Quijano

Status:	Closed	Start date:	05/06/2013
Priority:	Normal	Due date:	
Assignee:	Antonio Quartulli	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	2013.3.0		
Description			
I have many messages on my dmesg on gateway nodes: br-lan: received packet on bat0 with own address as source address Im using Openwrt, config attached (gateways and repeaters). All nodes user the same batman-adv version: [11.650000] batman_adv: B.A.T.M.A.N. advanced 2013.2.0 (compatibility version 14) loaded root@OpenWrt:~# batctl -v batctl 2013.2.0 [batman-adv: 2013.2.0] Batman-adv config is attached too (same for all nodes).			
Related issues:			
Related to batman-adv - Bug #409: DAT: received packet on bat0.20/eth0 with o...		In Progress	04/22/2020

History

#1 - 05/06/2013 02:42 PM - Simon Wunderlich

- Assignee set to Simon Wunderlich

You have bat0 and eth0 bridge in the same bridge. This should not be a problem as we have bridge loop avoidance (bla) which should handle this case. I have a few questions to narrow down your case:

- Do these messages still appear after 30 seconds of operation? BLA might take a moment to detect that all routers are on the same LAN. Make sure that the routers are connected when batman-adv is started. * Do you have bridge loop avoidance enabled? It appears to be in the configuration, but please check using "batctl bl" * Please print the output of "batctl claimtable", "batctl backbonetable", "batctl tg"

#2 - 05/06/2013 04:36 PM - Carlos Quijano

The messages appear all time:

```
root@OpenWrt:~# uptime
14:33:07 up 2:17, load average: 0.10, 0.14, 0.14
root@OpenWrt:~# dmesg | tail
[ 6626.620000] br-lan: received packet on bat0 with own address as source address
[ 6627.620000] br-lan: received packet on bat0 with own address as source address
[ 6650.940000] br-lan: received packet on bat0 with own address as source address
[ 6651.930000] br-lan: received packet on bat0 with own address as source address
[ 6681.830000] br-lan: received packet on bat0 with own address as source address
bridge loop avoidance enabled is enable ( you can see at batman-adv file attached):
root@OpenWrt:~# batctl bl
enabled
```

Requested tables:

```
root@OpenWrt:~# batctl claimtable
Claims announced for the mesh bat0 (orig 00:27:22:23:1a:4e, group id 0xe144)
```

```

Client      VID  Originator  [o] (CRC ) * e6:ec:38:be:94:a0 on -1 by 00:27:22:23:1a:4e [x] (0x3ef5) * 06:a7:22:f0:93:b4 on -1 by
00:27:22:23:1a:4e [x] (0x3ef5) * 06:a7:22:08:2f:ee on -1 by 00:27:22:23:1a:4e [x] (0x3ef5) * b8:27:eb:7f:18:60 on -1 by 00:27:22:23:1a:4e [x]
(0x3ef5) * 06:c0:ca:5f:6b:54 on -1 by 00:27:22:23:1a:4e [x] (0x3ef5)
root@OpenWrt:~# batctl backboneetable
Backbones announced for the mesh bat0 (orig 00:27:22:23:1a:4e, group id 0xe144)
Originator  VID  last seen (CRC )
root@OpenWrt:~# batctl tg
Globally announced TT entries received via the mesh bat0
Client      (TTVN)  Originator  (Curr TTVN) (CRC ) Flags * 06:a7:22:08:2f:ee ( 2) via 00:27:22:08:2f:ee ( 2) (0x3ad5) [...] *
6a:31:d6:c0:aa:db ( 2) via 00:c0:ca:5f:6b:54 ( 2) (0x3353) [...] * 2a:08:ed:38:c0:5b ( 3) via 00:27:22:f0:93:b4 ( 3) (0x4931) [...] *
06:a7:22:f0:93:b4 ( 3) via 00:27:22:f0:93:b4 ( 3) (0x4931) [...] * 06:c0:ca:5f:6b:54 ( 2) via 00:c0:ca:5f:6b:54 ( 2) (0x3353) [...] *
fe:ae:99:7f:00:d2 ( 2) via f4:ec:38:be:94:a0 ( 2) (0x32e7) [...] * b8:27:eb:7f:18:60 ( 3) via 00:27:22:f0:93:b4 ( 3) (0x4931) [...] *
e6:ec:38:be:94:a0 ( 2) via f4:ec:38:be:94:a0 ( 2) (0x32e7) [...] * ce:bf:f2:a8:ff:28 ( 2) via 00:27:22:08:2f:ee ( 2) (0x3ad5) [...]
root@OpenWrt:~#

```

Thank in advance.

#3 - 05/06/2013 04:39 PM - Carlos Quijano

Sorry, pre tag

Requested tables:

```

root@OpenWrt:~# batctl claimtable
Claims announced for the mesh bat0 (orig 00:27:22:23:1a:4e, group id 0xe144)
Client      VID  Originator  [o] (CRC )
* e6:ec:38:be:94:a0 on -1 by 00:27:22:23:1a:4e [x] (0x3ef5)
* 06:a7:22:f0:93:b4 on -1 by 00:27:22:23:1a:4e [x] (0x3ef5)
* 06:a7:22:08:2f:ee on -1 by 00:27:22:23:1a:4e [x] (0x3ef5)
* b8:27:eb:7f:18:60 on -1 by 00:27:22:23:1a:4e [x] (0x3ef5)
* 06:c0:ca:5f:6b:54 on -1 by 00:27:22:23:1a:4e [x] (0x3ef5)
root@OpenWrt:~# batctl backboneetable
Backbones announced for the mesh bat0 (orig 00:27:22:23:1a:4e, group id 0xe144)
Originator  VID  last seen (CRC )
root@OpenWrt:~# batctl tg
Globally announced TT entries received via the mesh bat0
Client      (TTVN)  Originator  (Curr TTVN) (CRC ) Flags
* 06:a7:22:08:2f:ee ( 2) via 00:27:22:08:2f:ee ( 2) (0x3ad5) [...]
* 6a:31:d6:c0:aa:db ( 2) via 00:c0:ca:5f:6b:54 ( 2) (0x3353) [...]
* 2a:08:ed:38:c0:5b ( 3) via 00:27:22:f0:93:b4 ( 3) (0x4931) [...]
* 06:a7:22:f0:93:b4 ( 3) via 00:27:22:f0:93:b4 ( 3) (0x4931) [...]
* 06:c0:ca:5f:6b:54 ( 2) via 00:c0:ca:5f:6b:54 ( 2) (0x3353) [...]
* fe:ae:99:7f:00:d2 ( 2) via f4:ec:38:be:94:a0 ( 2) (0x32e7) [...]
* b8:27:eb:7f:18:60 ( 3) via 00:27:22:f0:93:b4 ( 3) (0x4931) [...]
* e6:ec:38:be:94:a0 ( 2) via f4:ec:38:be:94:a0 ( 2) (0x32e7) [...]
* ce:bf:f2:a8:ff:28 ( 2) via 00:27:22:08:2f:ee ( 2) (0x3ad5) [...]
root@OpenWrt:~#

```

#4 - 05/06/2013 05:34 PM - Simon Wunderlich

Thanks for the tables. What is weird is that the backbonetable is empty, although it should list the other devices running batman-adv.

How are the devices interconnected via Ethernet? Are you using a simple layer 2 switch or some kind of "managed switch", firewall, etc? Does the problem go away if you remove one of the devices from the ethernet (i.e. remove the cable)?

#5 - 05/06/2013 05:44 PM - Carlos Quijano

Is normal that backbonetable is empty, i have no loops , or wire connections on my network.

The network more or less is like:

Wire Client---Node[Repeater]---Mesh---Node[Gw]--Wire[WAN]---Cable Modem

Wire-WAN is NOT Bridged, but Wire Client is Bridge with AP's and BAT0 (See config attached for details).

I have no Wire connected that could be remove, only wire client, and if i disconnect , it's change nothing.

#6 - 05/06/2013 11:41 PM - Simon Wunderlich

Hmm, I don't see where the problem is, guess we have to reduce it further. I'll provide some suggestion, feel free to try out own ideas to find out what exactly triggers these messages:

- according to your global table you have more than just two nodes in your network. Can you try turning some off so that you only have two or even just one and see if the problem is still present? * if you have no wired connection/loops, can you try disabling bridge loop avoidance? (Although this alone should not create these messages) * can you check whether the mac addresses you set in your config file are actually applied?

Thanks

#7 - 05/07/2013 10:05 AM - Carlos Quijano

Thank you very much for your quick answer.

I will try the first and second point. I think this is related with number of nodes (3 or more causes this error).

With the 3rd point, all mac are direferent in all interfaces and all nodes (there are not 2 macs equal). You can check it on attaked network config, ifconfig show that are setted correctly.

```
root@OpenWrt:~# batctl o
[B.A.T.M.A.N. adv 2013.2.0, MainIF/MAC: mesh_0_g/00:27:22:23:1a:4e (bat0)]
  Originator      last-seen (#/255)          Nexthop [outgoingIF]:  Potential nexthops ...
00:27:22:f0:93:b4  0.590s   (255) 00:27:22:f0:93:b4 [ mesh_0_g]: 00:27:22:f0:93:b4 (255)
```

```
root@OpenWrt:~# uci show network
network.globals=globals
network.globals.ula_prefix=fda8:d82d:6b5f::/48
network.@switch[0]=switch
network.@switch[0].name=switch0
network.@switch[0].reset=1
network.@switch[0].enable_vlan=0
network.@switch_vlan[0]=switch_vlan
network.@switch_vlan[0].device=switch0
network.@switch_vlan[0].vlan=1
```

```
network.@switch_vlan[0].ports=0 1 2 3 4
network.loopback=interface
network.loopback.ifname=lo
network.loopback.proto=static
network.loopback.ipaddr=127.0.0.1
network.loopback.netmask=255.0.0.0
network.wan=interface
network.wan.proto=dhcp
network.wan.ifname=eth1
network.wan.macaddr=16:27:22:23:1A:4E
network.lan=interface
network.lan.ifname=eth0 bat0
network.lan.type=bridge
network.lan.stp=0
network.lan.macaddr=06:A7:22:23:1A:4E
network.lan.proto=static
network.lan.ipaddr=10.35.26.78
network.lan.netmask=255.0.0.0
network.lan.mtu=1600
network.eth0=interface
network.eth0.proto=none
network.eth0.ifname=eth0
network.eth0.macaddr=06:27:22:23:1A:4E
network.mesh=interface
network.mesh.proto=batadv
network.mesh.mtu=1600
network.mesh.mesh=bat0
```

```
bat0      Link encap:Ethernet  HWaddr 72:B3:69:15:DA:3D
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:73839 errors:0 dropped:0 overruns:0 frame:0
          TX packets:31993 errors:0 dropped:1094 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:13459798 (12.8 MiB)  TX bytes:6202042 (5.9 MiB)
```

```
br-lan    Link encap:Ethernet  HWaddr 06:A7:22:23:1A:4E
          inet addr:10.35.26.78  Bcast:10.255.255.255  Mask:255.0.0.0
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:80800 errors:0 dropped:77 overruns:0 frame:0
          TX packets:38235 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:13580009 (12.9 MiB)  TX bytes:9007792 (8.5 MiB)
```

```
client_0_priv Link encap:Ethernet  HWaddr 0A:27:22:23:1A:4E
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:2696 errors:0 dropped:0 overruns:0 frame:0
          TX packets:45000 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:575915 (562.4 KiB)  TX bytes:5903679 (5.6 MiB)
```

```
client_0_pub Link encap:Ethernet  HWaddr 1A:27:22:23:1A:4E
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:44279 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B)  TX bytes:5438617 (5.1 MiB)
```

```
eth0      Link encap:Ethernet  HWaddr 06:27:22:23:1A:4E
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:3457 errors:0 dropped:0 overruns:0 frame:0
          TX packets:47806 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:642044 (626.9 KiB)  TX bytes:6911750 (6.5 MiB)
          Interrupt:5
```

```
eth1      Link encap:Ethernet  HWaddr 16:27:22:23:1A:4E
          inet addr:212.225.155.130  Bcast:212.225.155.255  Mask:255.255.252.0
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:924755 errors:0 dropped:0 overruns:0 frame:0
          TX packets:53996 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:5
          RX bytes:101433186 (96.7 MiB)  TX bytes:19488620 (18.5 MiB)
          Interrupt:4
```

```
ifb0      Link encap:Ethernet  HWaddr B2:8F:38:68:A8:FF
```

```
UP BROADCAST RUNNING NOARP MTU:1500 Metric:1
RX packets:165612 errors:0 dropped:0 overruns:0 frame:0
TX packets:165612 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:5
RX bytes:55723833 (53.1 MiB) TX bytes:55723833 (53.1 MiB)
```

```
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:4156 errors:0 dropped:0 overruns:0 frame:0
TX packets:4156 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:326809 (319.1 KiB) TX bytes:326809 (319.1 KiB)
```

```
mesh_0_g Link encap:Ethernet HWaddr 00:27:22:23:1A:4E
UP BROADCAST RUNNING MULTICAST MTU:1600 Metric:1
RX packets:508182 errors:0 dropped:63 overruns:0 frame:0
TX packets:176964 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:55702705 (53.1 MiB) TX bytes:23587296 (22.4 MiB)
```

#8 - 05/07/2013 11:16 AM - Carlos Quijano

I have updated to batman-adv-dev:

```
[ 14.770000] batman_adv: B.A.T.M.A.N. advanced 90725dd (compatibility version 14) loaded
```

Same problem[3 Nodes 1 Gateway. bridge_loop_avoidance enabled]:

```
[ 107.110000] device bat0 entered promiscuous mode
[ 107.110000] br-lan: port 4(bat0) entered forwarding state
[ 107.120000] br-lan: port 4(bat0) entered forwarding state
[ 107.370000] batman_adv: bat0: ap_isolation: Changing from: disabled to: enabled
[ 107.390000] batman_adv: bat0: bridge_loop_avoidance: Changing from: disabled to: enabled
[ 107.410000] batman_adv: bat0: Changing gateway bandwidth from: '41' to: '48' (propagating: 4MBit/512KBit)
[ 107.430000] batman_adv: bat0: Changing gw mode from: off to: server
[ 109.120000] br-lan: port 4(bat0) entered forwarding state
[ 972.230000] br-lan: received packet on bat0 with own address as source address
[ 973.230000] br-lan: received packet on bat0 with own address as source address
[ 974.240000] br-lan: received packet on bat0 with own address as source address
[ 975.240000] br-lan: received packet on bat0 with own address as source address
[ 976.250000] br-lan: received packet on bat0 with own address as source address
[ 977.250000] br-lan: received packet on bat0 with own address as source address
[ 978.270000] br-lan: received packet on bat0 with own address as source address
[ 979.270000] br-lan: received packet on bat0 with own address as source address
[ 980.270000] br-lan: received packet on bat0 with own address as source address
...
```

```
[ 1217.980000] br-lan: received packet on bat0 with own address as source address
[ 1218.990000] br-lan: received packet on bat0 with own address as source address
```

#9 - 05/07/2013 02:06 PM - Carlos Quijano

Tested with 2 nodes (1 repeater 1 gw):

Message still appears:

```
[ 109.840000] br-lan: port 4(bat0) entered learning state
[ 111.840000] br-lan: topology change detected, propagating
[ 111.840000] br-lan: port 4(bat0) entered forwarding state
[ 116.250000] br-lan: received packet on bat0 with own address as source address
```

bridge_loop_avoidance is disable in both nodes.

But with 2 nodes is very difficult to replicate the problem, i think this is related with number of nodes in mesh.

I will try again with more nodes.

#10 - 05/07/2013 02:18 PM - Simon Wunderlich

Hm, does the problem even appear with only one node?

Could you try to "catch" the offending packet? E.g. using tcpdump or batctl td?

Are the bat0 mac addresses different on all nodes?

#11 - 05/07/2013 06:40 PM - Carlos Quijano

Yes all mac on bat0 ifaces, in all nodes are different.

Im trying to catch the packet with tcpdump.

One curious thing is when error occurs, is every second:

```
[ 2988.140000] br-lan: received packet on bat0 with own address as source address
[ 3014.010000] net_ratelimit: 144 callbacks suppressed
[ 3014.010000] br-lan: received packet on bat0 with own address as source address
[ 3015.010000] br-lan: received packet on bat0 with own address as source address
[ 3016.020000] br-lan: received packet on bat0 with own address as source address
[ 3031.890000] br-lan: received packet on bat0 with own address as source address
[ 3032.890000] br-lan: received packet on bat0 with own address as source address
[ 3033.890000] br-lan: received packet on bat0 with own address as source address
[ 3034.900000] br-lan: received packet on bat0 with own address as source address
[ 3035.910000] br-lan: received packet on bat0 with own address as source address
[ 3036.910000] br-lan: received packet on bat0 with own address as source address
[ 3037.920000] br-lan: received packet on bat0 with own address as source address
[ 3038.920000] br-lan: received packet on bat0 with own address as source address
[ 3039.930000] br-lan: received packet on bat0 with own address as source address
[ 3040.930000] br-lan: received packet on bat0 with own address as source address
[ 3041.940000] br-lan: received packet on bat0 with own address as source address
[ 3042.940000] br-lan: received packet on bat0 with own address as source address
```

```
[ 3043.960000] br-lan: received packet on bat0 with own address as source address
[ 3044.950000] br-lan: received packet on bat0 with own address as source address
[ 3076.080000] br-lan: received packet on bat0 with own address as source address
[ 3077.920000] br-lan: received packet on bat0 with own address as source address
[ 3078.920000] br-lan: received packet on bat0 with own address as source address
[ 3079.930000] br-lan: received packet on bat0 with own address as source address
[ 3080.940000] br-lan: received packet on bat0 with own address as source address
[ 3081.940000] br-lan: received packet on bat0 with own address as source address
[ 3082.940000] br-lan: received packet on bat0 with own address as source address
[ 3083.950000] br-lan: received packet on bat0 with own address as source address
[ 3084.950000] br-lan: received packet on bat0 with own address as source address
[ 3085.960000] br-lan: received packet on bat0 with own address as source address
[ 3086.970000] br-lan: received packet on bat0 with own address as source address
[ 3087.970000] br-lan: received packet on bat0 with own address as source address
[ 3088.980000] br-lan: received packet on bat0 with own address as source address
[ 3090.010000] br-lan: received packet on bat0 with own address as source address
[ 3090.990000] br-lan: received packet on bat0 with own address as source address
[ 3092.030000] br-lan: received packet on bat0 with own address as source address
[ 3093.860000] br-lan: received packet on bat0 with own address as source address
[ 3094.870000] br-lan: received packet on bat0 with own address as source address
[ 3095.870000] br-lan: received packet on bat0 with own address as source address
[ 3097.070000] br-lan: received packet on bat0 with own address as source address
[ 3098.070000] br-lan: received packet on bat0 with own address as source address
[ 3099.080000] br-lan: received packet on bat0 with own address as source address
[ 3100.260000] br-lan: received packet on bat0 with own address as source address
[ 3101.260000] br-lan: received packet on bat0 with own address as source address
[ 3102.270000] br-lan: received packet on bat0 with own address as source address
```

How often send batman control message over the mesh? every second ?

#12 - 05/07/2013 07:01 PM - Simon Wunderlich

this can be configured using the "originator interval", but basically yes, every second. It is not going via the "soft interface" bat0, though.

#13 - 05/07/2013 07:54 PM - Carlos Quijano

Ok i think that i found it, i think there is a problem with ARP.

```
tcpdump -e -n -v -XX -i br-lan not ip
....
17:31:58.538279 06:a7:22:23:1a:4e > 90:4c:e5:82:27:6d, ethertype ARP (0x0806), length 42: Ethernet (len 6), IP
v4 (len 4), Reply 10.35.26.78 is-at 06:a7:22:23:1a:4e, length 28
0x0000: 904c e582 276d 06a7 2223 1a4e 0806 0001 .L..'m..'#.N....
```

```

0x0010: 0800 0604 0002 06a7 2223 1a4e 0a23 1a4e .....".N.#.N
0x0020: 904c e582 276d 0ac3 2b2e      .L..'m..+.
17:31:58.545855 06:a7:22:23:1a:4e > 90:4c:e5:82:27:6d, ethertype ARP (0x0806), length 42: Ethernet (len 6), IP
v4 (len 4), Reply 10.35.26.78 is-at 06:a7:22:23:1a:4e, length 28
0x0000: 904c e582 276d 06a7 2223 1a4e 0806 0001 .L..'m..".N....
0x0010: 0800 0604 0002 06a7 2223 1a4e 0a23 1a4e .....".N.#.N
0x0020: 904c e582 276d 0ac3 2b2e      .L..'m..+.
....

```

```

root@OpenWrt:~# ifconfig |grep HWaddr
bat0      Link encap:Ethernet  HWaddr 1E:2E:16:89:01:C2
br-lan    Link encap:Ethernet  HWaddr 06:A7:22:23:1A:4E
client_0_priv Link encap:Ethernet  HWaddr 0A:27:22:23:1A:4E
client_0_pub Link encap:Ethernet  HWaddr 1A:27:22:23:1A:4E
eth0      Link encap:Ethernet  HWaddr 06:27:22:23:1A:4E
eth1      Link encap:Ethernet  HWaddr 16:27:22:23:1A:4E
ifb0      Link encap:Ethernet  HWaddr 96:6F:B6:A0:8D:8E
mesh_0_g  Link encap:Ethernet  HWaddr 00:27:22:23:1A:4E

```

I have distributed_arp_table enabled in all nodes:

```

root@OpenWrt:~# batctl dat
enabled
root@OpenWrt:~# batctl dc
Distributed ARP Table (bat0):

```

	IPv4	MAC	last-seen
*	10.75.247.85	b8:27:eb:7f:18:60	4:32
*	10.54.149.196	b4:07:f9:38:4f:55	4:36
*	10.8.47.238	06:a7:22:08:2f:ee	4:34
*	10.35.26.78	06:a7:22:23:1a:4e	0:12
*	10.195.43.46	90:4c:e5:82:27:6d	0:06
*	10.95.107.84	06:c0:ca:5f:6b:54	2:43
*	10.190.148.160	e6:ec:38:be:94:a0	1:13

The arp request must not be reply though mesh to the origin.
Is this a bug or im doing something wrong?

#14 - 05/07/2013 08:03 PM - Simon Wunderlich

Hm, not sure, but can you try turning off dat to make sure this is the component creating the problem?

Also, for completeness, maybe you can post the output of "batctl if" and "brctl show".

Thanks

#15 - 05/07/2013 08:06 PM - Carlos Quijano

Sure:

```
root@OpenWrt:~# batctl if
mesh_0_g: active
root@OpenWrt:~# brctl show
bridge name      bridge id          STP enabled      interfaces
br-lan           7fff.06a722231a4e  yes              eth0
                                                         client_0_pub
                                                         client_0_priv
                                                         bat0
root@OpenWrt:~# ifconfig
bat0      Link encap:Ethernet  HWaddr 1E:2E:16:89:01:C2
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:413661 errors:0 dropped:0 overruns:0 frame:0
          TX packets:403889 errors:0 dropped:1536 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:261126237 (249.0 MiB)  TX bytes:322547555 (307.6 MiB)

br-lan    Link encap:Ethernet  HWaddr 06:A7:22:23:1A:4E
          inet addr:10.35.26.78 Bcast:10.255.255.255 Mask:255.0.0.0
          inet6 addr: fe80::4a7:22ff:fe23:1a4e/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:426427 errors:0 dropped:0 overruns:0 frame:0
          TX packets:407900 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:256862461 (244.9 MiB)  TX bytes:326211780 (311.0 MiB)

client_0_priv Link encap:Ethernet  HWaddr 0A:27:22:23:1A:4E
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:41 errors:0 dropped:0 overruns:0 frame:0
          TX packets:2339 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:4067 (3.9 KiB)  TX bytes:509095 (497.1 KiB)

client_0_pub Link encap:Ethernet  HWaddr 1A:27:22:23:1A:4E
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:474 errors:0 dropped:0 overruns:0 frame:0
          TX packets:2787 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:32033 (31.2 KiB)  TX bytes:544569 (531.8 KiB)

eth0      Link encap:Ethernet  HWaddr 06:27:22:23:1A:4E
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:19367 errors:0 dropped:0 overruns:0 frame:0
          TX packets:23544 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:3714151 (3.5 MiB)  TX bytes:9107107 (8.6 MiB)
          Interrupt:5

eth1      Link encap:Ethernet  HWaddr 16:27:22:23:1A:4E
          inet addr:212.225.155.130 Bcast:212.225.155.255 Mask:255.255.252.0
          inet6 addr: fe80::1427:22ff:fe23:1a4e/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:549285 errors:0 dropped:28 overruns:0 frame:0
          TX packets:358203 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:5
          RX bytes:349575481 (333.3 MiB)  TX bytes:140710845 (134.1 MiB)
          Interrupt:4

ifb0      Link encap:Ethernet  HWaddr 96:6F:B6:A0:8D:8E
```

```
inet6 addr: fe80::946f:b6ff:fea0:8d8e/64 Scope:Link
UP BROADCAST RUNNING NOARP MTU:1500 Metric:1
RX packets:480615 errors:0 dropped:725 overruns:0 frame:0
TX packets:479890 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:5
RX bytes:344405883 (328.4 MiB) TX bytes:344029097 (328.0 MiB)

lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:711 errors:0 dropped:0 overruns:0 frame:0
TX packets:711 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:55387 (54.0 KiB) TX bytes:55387 (54.0 KiB)

mesh_0_g Link encap:Ethernet HWaddr 00:27:22:23:1A:4E
inet6 addr: fe80::227:22ff:fe23:1a4e/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1600 Metric:1
RX packets:466223 errors:0 dropped:109 overruns:0 frame:0
TX packets:419561 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:276579585 (263.7 MiB) TX bytes:342281457 (326.4 MiB)

root@OpenWrt:~#
```

I will try without distributed_arp_table.

#16 - 05/07/2013 08:22 PM - Antonio Quartulli

Hi Carlos,

Carlos Quijano wrote:

Ok i think that i found it, i think there is a problem with ARP.

The packets you shown were captured less then one second after the other, right? while you said the message is appearing once every second...maybe the ARP packets is not really the culprit.
Also why filtering "not ip"? maybe it is some IP packet that is generating the message, no?

However, I first wait for you to verify if the problem is there after disabling DAT.

bye

#17 - 05/07/2013 08:35 PM - Carlos Quijano

Hi Antonio.

Im filtering with no ip, because there are too many packages, i dont think the problems came from a ip packages.

The kernel warning, i think, is caused by the second package, so, dont mind the time between packages, the importan thing is that the package is replied to the origin.

i will keep you informed, thank you.

#18 - 05/07/2013 08:54 PM - Carlos Quijano

Hi Antonio.

Im filtering with no ip, because there are too many packages, i dont think the problems came from a ip packages.

The kernel warning, i think, is caused by the second package, so, dont mind the time between packages, the importan thing is that the package is replied to the origin.

i will keep you informed, thank you.

#19 - 05/08/2013 09:43 AM - Carlos Quijano

I can confirm it, with distributed_arp_table turned off, Kernel warnings disappears.

Thank you all.

#20 - 05/08/2013 09:58 AM - Antonio Quartulli

- % Done changed from 0 to 10

- Assignee changed from Simon Wunderlich to Antonio Quartulli

#21 - 05/08/2013 09:59 AM - Antonio Quartulli

- File 666-make-DAT-drop-ARP-requests-targeting-loca.patch added

Carlos Quijano wrote:

I can confirm it, with distributed_arp_table turned off, Kernel warnings disappears.

Thank you all.

I think I found the problem.

Would you mind testing this patch?

Thanks

#22 - 05/08/2013 10:14 AM - Antonio Quartulli

- File deleted (666-make-DAT-drop-ARP-requests-targeting-loca.patch)

#23 - 05/08/2013 10:14 AM - Antonio Quartulli

- File 666-make-DAT-drop-ARP-requests-targeting-loca.patch added

I changed the patch, there was a little mistake...sorry

#24 - 05/08/2013 10:16 AM - Carlos Quijano

Dont worry. I will try, just gime some time to be sure that its works.
i will keep you informed.

#25 - 05/09/2013 08:51 AM - Carlos Quijano

After 24h of test, the patch is working correctly, no more kernel error has appeared on my dmesg.

Thank you all.

#26 - 05/09/2013 09:08 AM - Antonio Quartulli

Carlos Quijano wrote:

After 24h of test, the patch is working correctly, no more kernel error has appeared on my dmesg.

Thank you all.

Thank you for testing Carlos.

I will send the patch to the mailing list with you as Reported-by and Tested-by.

Thanks a lot again!

#27 - 05/09/2013 09:08 AM - Antonio Quartulli

- % Done changed from 10 to 100

- Status changed from New to Resolved

#28 - 08/31/2013 04:43 PM - Antonio Quartulli

- Status changed from Resolved to Closed

#29 - 02/11/2017 09:14 AM - Sven Eckelmann

- Target version set to 2013.3.0

#30 - 04/23/2020 09:06 AM - Sven Eckelmann

- Related to Bug #409: DAT: received packet on bat0.20/eth0 with own address as source address added

Files

repeater_wireless_config	1.17 KB	05/06/2013	Carlos Quijano
gw_wireless_config	1.08 KB	05/06/2013	Carlos Quijano
repeater_network_config	624 Bytes	05/06/2013	Carlos Quijano
gw_network_config	894 Bytes	05/06/2013	Carlos Quijano
batman-adv	261 Bytes	05/06/2013	Carlos Quijano
666-make-DAT-drop-ARP-requests-targeting-loca.patch	1.41 KB	05/08/2013	Antonio Quartulli