alfred - Feature #251
batadv-vis: Add support for B.A.T.M.A.N. V throughput
05/14/2016 09:54 AM - Russell Senior

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
<th>Start date:</th>
<th>05/14/2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
<td></td>
</tr>
<tr>
<td>Assignee:</td>
<td>Simon Wunderlich</td>
<td>% Done:</td>
<td>0%</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
<td>Estimated time:</td>
<td>40.00 hours</td>
</tr>
<tr>
<td>Target version:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Description

I'm experimenting with BATMAN_V on the lede-project revision reboot-231-gf8abb68 with batman-adv and alfred. The batadv-vis program reports:

root@mesh-test1:~# batadv-vis -v
batadv-vis 2016.1
VIS alfred client

With a three node test network, mesh-test1 and mesh-test2 are linked via both ethernet and wifi ibss mode, mesh-test3 is linked only with wifi, and I get odd looking results from batadv-vis:

root@mesh-test1:~# batadv-vis | grep -v TT
digraph {
  subgraph "cluster_00:0f:b5:97:28:9d" {
    "00:0f:b5:97:28:9d"
    "00:0f:b5:0c:e0:84" [peripheries=2]
  }
  "00:0f:b5:97:28:9d" -> "00:0f:b5:0e:71:5b" [label="2.550"]
  "00:0f:b5:0c:e0:84" -> "00:12:cf:83:7b:09" [label="6.711"]
  subgraph "cluster_00:0f:b5:0e:5d:8f" {
    "00:0f:b5:0e:5d:8f"
    "00:0f:b5:0e:71:5b" [peripheries=2]
  }
  "00:0f:b5:0e:5d:8f" -> "00:12:cf:83:7b:09" [label="6.711"]
  "00:0f:b5:0e:71:5b" -> "00:0f:b5:97:28:9d" [label="2.550"]
}

The numbers don't seem to ever change, and are way higher than what I would expect from ETX. I'm informed, not surprisingly, that BATMAN_V doesn't use ETX. Whatever metric is used, it might be nice to have it reported.

History

#1 - 05/14/2016 05:14 PM - Sven Eckelmann
- Assignee set to Simon Wunderlich
- Subject changed from batadv-vis reporting odd looking link metrics with BATMAN_V to batadv-vis: Report used metric to differentiate between throughput/TQ
- Tracker changed from Bug to Feature

#2 - 05/14/2016 07:48 PM - Sven Eckelmann
- Subject changed from batadv-vis: Report used metric to differentiate between throughput/TQ to batadv-vis: Add support for B.A.T.M.A.N. V throughput

#3 - 05/15/2016 02:47 AM - Antonio Quartulli
IMHO when using B.A.T.M.A.N. V we should just report the real metric (i.e. throughput) and forget about this OLSR-like value (it would also be difficult to compute).

#4 - 12/04/2016 11:14 AM - Sven Eckelmann
Estimated time set to 40.00 h