

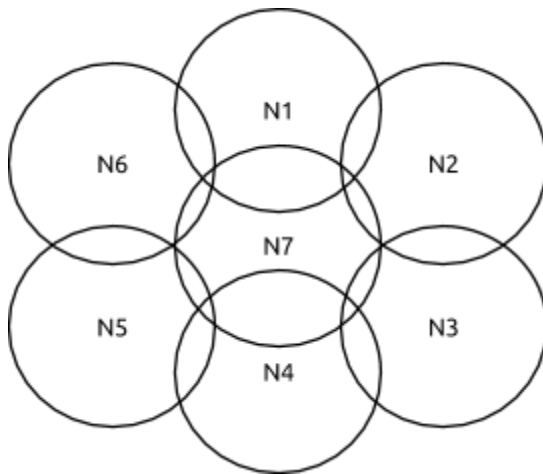
Scenario 3



The Mesh of Death Adversity

Setup and description

You create a mesh cloud of 7 identical wireless routers near by (5m radius) like this:



(Unlike drawn, routers will be fully connected to each other.)

Mesh routing protocols implement algorithms to decide which path will be used to transport payload packets. If many routers stand close by it is unlikely to get stable routing paths and much protocol traffic will be generated in most cases. In real-life scenarios and with bad configuration this can lead to massive problems often uncovered.

Test plan

One by one turn on the wireless routers and measure the overall traffic being generated by the respective routing protocol (**OLSR(2)**, **BMX6** and **B.A.T.M.A.N.**) within 10 minutes depending on the amount of active nodes (use default settings).

When done, describe what you did to improve the situation (e.g. adjustment of txpower).

Requirements:

- 7x TL-WDR4300 with OpenWRT (including olsr, olsr2, bmx6 and batman-adv)

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Results and interpretation