2nd OLSR Interop / Workshop

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Sponsors:

Event Schedule

- 28/8/2005 - Interoperability testing
  - OLSR (RFC3626) IPv4 and IPv6
- 28/82005 - Workshop
  - 4 paper-sessions (Extensions&Developments, Security, Scalability&Performance, OLSR Auxiliaries)
  - OLSRv2 discussion

Trivia & Statistics

- ~45 total participants
- 10 OLSR implementations, 7 or 8 hereof were IPv6 capable

Interoperability "results"

- To quote Chris Dearlove (BAE systems):
    - "We [BAE] have no new experimental results to present since, well, OLSR works so we're looking at the things that aren't working"

- Basic interoperability:
    - All implementations interoperate, no routing-related problems identified

    - IPv4 & IPv6 both - although IPv6 seemed to pose fewer problems (better implementations/stacks?)

    - 6-hop "real" networks "realized"

Problems found

- No news to anyone here:
  - IEEE 802.11 isn't appropriate for ad-hoc networks
    - IBSS issues (as usual) causes nodes to change cells
    - IEEE 802.11 ad-hoc demo mode works well
      - but isn't supported by most modern cards
  - Interoperability testing in a "Faraday cage" isn't easy

Workshop

- Mostly, presentations of OLSR extensions
  - Security was a big topic
    - 2 different and "complete" security architectures discussed
    - Seemed to go beyond simple "routing security", also key-distribution etc. in MANETs
  - Scalability and performance of larg(er) networks
  - "Suitable" MAC layers for MANETs

Next Event?

- 3rd OLSR Interop/Workshop
  - San Diego '04
  - Paris '05
  - ??? '06 - looking for suitable event to co-locate with.

A big THANKS to our sponsors!