Monitoring and Management of NHDP / OLSRv2

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Monitoring and Management of JOLSRv2 using Java RMI

- remote connection to OLSRv2 via RMI
- display of all sets
- add/remove interfaces and addresses, change parameters
What’s MIB?

data transport (e.g., SNMP)

data structure (SMI)

data content (MIB)

MIB Documents
When to define a MIB?

- In principle IETF wants all new IETF technologies to be manageable using a combination of syslog, SNMP, Netconf, and IPFIX.

- At a minimum the IESG wants state monitoring and fault notifications (usually via a MIB module).

- Configuration using MIB modules is not mandatory, but fine if a WG wants it.
How can I motivate my WG comrades to care about MIB documents?

- Once you know how to do a MIB it is FUN
- It helps to better understand your own protocol or technology
- Users of your protocol will be happy to hear it is manageable from the start as opposed to management being an afterthought
The NHDP/OLSRv2 MIB

- draft-ietf-manet-nhdp-mib
draft-ietf-manet-olsrv2-mib

- Divided into several groups:
  - Configuration Group (intervals, parameters, etc.)
  - State Group (sets)
  - Performance Group
  - Notification Group
Open Discussion

- Do we need monitoring and management?
- How do you manage/monitor your OLSRv2 implementation?
- Do you have ideas for new elements in performance / notifications group?
- Would you be interested in implementing a MIB?
- What other ideas do you have about monitoring and management?