DYMO MIB

Cole,Chakeres

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References

<draft-cole-dymo-mib-00.txt>

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Outline

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- Posted first draft of a DYMO MIB as individual submission [1]
- Posted second draft today [2]
- Supports information, configuration, state and performance of the DYMO MANET routing protocol [3]
- Focus is simplicity and basic needs
- Will build off of MIB-II capabilities
- Open items and issues identified in last section of draft

Current Structure of MIB

- General Information Group - DYMO system info such as version number
- Configuration Group - objects and tables for DYMO configuration, e.g., objects in Section 6 of DYMO draft [3], hosts and interfaces tables
- State Group - current state info, e.g., peers table
- Performance Group - objects, e.g. aggregate and per interface, useful for protocol tuning, trouble shooting
- Notification Group - inform and trap objects

Open Questions

- Current MIB structure is type-based versus model-based - is this OK?
- Simplified configuration options? - currently err'd toward minimal set.
- What performance objects are useful to monitor DYMO performance? - listed standard set of DYMO messages initiated, sent and received by device and by interface.
- What Notifications are useful for DYMO? - not addressed in current draft
- Conformance not addressed in current draft - wait till some stability
- Detailed list of work items in back of draft - Open Issues Section.

- Address above questions in next DYMO-MIB draft
- Clean up interface between MIB-II and DYMO-MIB
- Propose set of Notifications in next DYMO-MIB draft
- Working up a corresponding NHDP [4] MIB - draft outline in place

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1 Cole, R.G. and I.D. Chakeres, *The DYMO MIB*, IETF Draft, <draft-cole-dymo-mib-00.txt>, February 2008.

2 Cole, R.G. and I.D. Chakeres, *The DYMO MIB*, IETF Draft, <draft-cole-dymo-mib-01.txt>, February 2008.

3 Chakeres, I.D. and C.Perkins *Dynamic MANET On-Demand (DYMO) Routing*, IETF Draft, <draft-ieft-manet-dymo-12.txt>, February 2008.

4 Clausen, T., Dearlove, C. and J. Dean, *MANET Neighborhood Discovery Protocol (NHDP)*, IETF Draft, <draft-ietf-manet-nhdp-05.txt>, December 2007.