NHDP, SMF, REPORT and OLSRv2 MIBs

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March 2013 / IETF-Orlando

overview since Atlanta

- NHDP-MIB approved as RFC6779
- OLSRv2-MIB, v05 past working group last call / in AD review
- SMF-MIB, v06 past working group last call
- ECDS-MIB, v02 posted to working group mailing list
- REPORT-SAMPLED-MIB, latest version v03

NHDP-MIB developments

- NHDP-MIB approved as RFC6779
- J. Nguyen, Brian Little, Ryan Morgan (US Army CERDEC) and J. Dean (NRL) have developed a Basic compliance of the NHDP-MIB on the NRL NHDP code.

OLSRv2-MIB

- Latest draft: <draft-ietf-manet-olsrv2-mib-05.txt>
- WG LC ended on 12/28/2012
- Sent to Adrian for AD review on 03/09/2013
- J. Nguyen, Brian Little, Ryan Morgan (US Army CERDEC) and J. Dean (NRL) currently developing a Basic compliance of the OLSRv2-MIB on the new NRL OLSRv2 code.

SMF-MIB developments

- Latest draft: <draft-ietf-manet-smf-mib-06.txt>
- Passed working group last call in January 2013, no comments from WG
- Needs recommendation to move forward from chairs.
- J. Nguyen, Brian Little, Ryan Morgan (US Army CERDEC) and J. Dean (NRL) are in the process of development of the Basic Compliance of the SMF-MIB on the NRL SMF code.
- Comments on code:
  - Issue: Management model requires ability to switch RSSA without stop/start.
  - Issue: Management model requires ability to switch smfIfAdminStatus without stop/start.

ECDS-MIB developments

- Latest draft: <draft-nguyen-manet-ecds-mib-02.txt>
- Need to further rectify SMF-MIB configuration with ECDS-MIB configuration, e.g., configured member, routerID, etc.
- Needs fuller description clauses
- Close to completion; passes smilint checker, etc.
- J. Nguyen, Brian Little, Ryan Morgan (US Army CERDEC) and J. Dean (NRL) are in the process of development of the Basic Compliance of the ECDS-MIB on the NRL SMF code.
- New revision is planned; then poll WG for adoption

REPORT-MIB developments

- Latest draft: <draft-ietf-manet-report-mib-03.txt>
- No changes since Atlanta IETF.
- Still looking into Distributed Management (DISMAN) capabilities and how to integrate report management capabilities within the DISMAN toolkit.

References

1. Herberg, U., Cole, R.G. and I. Chakeres, *Definition of Managed Objects for the Neighborhood Discovery Protocol*, IETF RFC6779, October 2012.
2. Herberg, U., Cole, R.G. and T. Clausen, *Definition of Managed Objects for the Optimized Link State Routing Protocol version 2*, IETF Draft, <draft-ietf-manet-olsrv2-mib-05.txt>, November 2012.
3. Cole, R.G., Macker, J. and A. Bierman, *Definition of Managed Objects for Performance Reporting*, IETF Draft, <draft-ietf-manet-report-mib-03.txt>, November 2012.
4. Cole, R.G. Macker, J. and B. Adamson, *Definition of Managed Objects for the Manet Simplified Multicast Framework Relay Set Process*, IETF Draft, <draft-ietf-manet-smf-mib-06.txt>, December 2012.
5. Nguyen, J. and R.G. Cole, *Definition of Managed Objects for the Manet Essential Connected Dominating Set (E-CDS)Process*, IETF Draft, <draft-nguyen-manet-ecds-mib-02.txt>, January 2013.