SNMP engine configuration

draft-bjorklund-netmod-snmp-cfg-02

IETF 83

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New Charter Text

5. Data model for configuring SNMP engines. The model must
   be capable of representing all SNMP engine
   configurations possible with the standard SNMPv3 MIB
   modules that are common operational practice.

   Any differences in functionality and behavior should be
   documented.

Objectives

- Complete configuration of an SNMP engine.

- Should be possible to co-exist with an implementation of the standard MIBs.

    - Implies that we use the same basic structure of the model

- Try to simplify areas that are complicated in the MIBs

Changes since -01

Added configuration parameters for Transport Security Model (RFC 5591) and TLS Transport Module (RFC 6353).

Non-Changes since -01

There was discussions on the ML regarding certain MIB configurations that the YANG model could not represent.

Specifically, the YANG model uses leafrefs where the MIB uses strings, which means that the YANG model require all references to exist in a valid configuration, whereas the MIB model allows "dangling references".

In order to be as close to the MIBs as possible, we should remove those leafrefs.

Next Steps

- Add a few more examples

- Clean up some minor FIXMEs

- Adopt as WG document?