

SNMP MIB Extensions

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Overview

- › Motivation and aims of new draft
- › New structure and objects
- › Open issues
- › Discussion of MLDv2 and IGMPv3 MIB consolidation issues

Motivation and aims of new draft

Reflect the IGMPv3 source filtering changes

? Enable INCLUDE and EXCLUDE source filtering lists

Maintain backwards compatibility

Structural Changes and New Objects

- ’ A source list table has been added, indexed by Multicast group address, Interface and host address**
- ’ A filter mode object in the Cache table has been added to indicate whether corresponding source list entries are INCLUDE or EXCLUDE**
- ’ IGMPv2 host and querier timers**

Open Issues

Additional objects?

- ? 'Group and source specific' query timer
- ? SrcListTable row expiry value, relevant for INCLUDE mode lists

Writeable objects?

- ? Source list entries added/deleted only if filter mode is not writeable?

Combined MLDv2 and IGMPv3 MIBs

Should the MLDv2 and IGMPv3 MIBs be combined? Issues to consider:

- ? Naming convention
- ? Version number mismatch for backwards compatibility

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