Qos Mibs

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MIB Requirements

- IESG Issues
- Future Developments
- Present Needs

IESG:

- Standards Track Mibs Are Required For All Standards Track Protocols
- Should Instrument The Protocol.

Futures:

- Link Policy Manager Requires A Way For The Management Process To Inquire Of And Change RSVP Databases
- Other Management Tools Require Similar Access

Present Needs (Definition Of "Instrument The Protocol")

- Interface Attributes
  - Configuration
  - State
  - History
- View/Create/Delete Soft State
  - PATH Data
  - RESV Data
  - Peers
  - Current Classifier Information

Three Mibs:

- Integrated Services MIB
- Integrated Services Guaranteed Service MIB
- RSVP MIB

Integrated Services MIB

- Interface Attributes Table
- State
  - # flows
  - depth of allocated buffer
  - allocated bit rate
- Configuration
  - Max allocated buffer
  - PropogationDelay
  - Status

IS Guaranteed Service MIB

- GuaranteedInterface Table (Configuration)
  - Delay
  - Burst Size
  - Applicable Slack
  - Status

RSVP MIB

- RSVP Session Table
- RSVP Sender Table (PATH Data)
- RSVP Reservation Table (RESV Incoming)
- RSVP Request Table (RESV Upline)
- RSVP Flow Attributes
- RSVP Interface Attributes
- RSVP Neighbors
- RSVP General

RSVP Session Table

- List Of Sessions For Which PATH Or RESV State Exists.
- Supports Row Creation
- Index: Simple Integer Session Number

RSVP Sender Table (PATH Data)

- List Of PATH State Blocks
- Supports Row Creation
- Index: Session Index Plus Simple Integer Sender Number

RSVP Reservation Table (RESV Incoming)

- List Of Reservation State Blocks
- Supports Row Creation
- Index: Session Index Plus Simple Integer RESV Number

RSVP Request Table (RESV Upline)

- List Of Reservation State Block Equivalents For Resvs Being Sent
- Supports Row Creation
- Index: Session Index Plus Simple Integer RESV Number

RSVP Flow Attributes

- List Of Classified Sessions
- No Row Creation
- Index: Flow Number

RSVP Interface Attributes

- Configuration Of Interface Per RSVP Draft 12 & Bob's Comments To List
- Some Simple Counters

RSVP Neighbors

- Encapsulation Neigbor Is Using
- Neighbor IP Address

RSVP General

- Objects Used In Creation Of Rows

Issues

- Any More Comments?
- Standard Status:

  Proposed: Uses Network Management Object Identifier

  Experimental: Uses Temporary "Experimental" Object Identifier.

  Likely To Affect Deployment Rate