The Compleat RSVP MIB

or

Everything you never wanted to know...

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Cisco Systems

Structure of RSVP/IS MIB

- Integrated Services Guaranteed MIB
  - Guaranteed Interface Attributes Table
- Integrated Services MIB
  - Interface Attributes Table
  - Interface Flows Table
  - Notifications
- RSVP MIB
  - RSVP Interface Attributes
  - RSVP Neighbors
  - Session Statistics Table
  - Session Sender Table
  - Reservation Requests Table
  - Reservations Requested Table

Integrated Services Guaranteed MIB

- Guaranteed Interface Attributes Table
  - Increments for Adspec as defined in Guaranteed Service Specification
  - Writable

Integrated Services MIB

- Interface Flows Table
  - Flows installed by RSVP or Network Management
  - Currently IP4 or IP6, secure or insecure
  - Writable
  - Known Bugs
    - Needs measure of packet throughput
    - Needs measure of policed packets
    - Needs enumeration on what to do with policed packets by flow: best effort or discard
    - Needs enumeration of service flow is using

Integrated Services MIB, continued

- Interface Attributes Table
  - Generic Interface Attributes like bandwidth admissible, bandwidth admitted, etc.
- Notifications
  - Designed to be used as SNMP Informs, to implement Shai's Policy Proposal

RSVP MIB

- RSVP Interface Attributes
  - Interface attributes for RSVP, such as whether UDP encapsulation is used.
- RSVP Neighbors
  - List of systems from which an RSVP node is receiving RSVP messages, and some of their attributes (UDP/IP encapsulation, etc.)
- Session Statistics Table
  - Counters associated with sessions
  - Known Bug
    - Needs to be read-only

RSVP MIB, continued

- Session Sender Table
  - Path Messages Received
  - May be writable, but not required
- Reservation Requests Table
  - Reservation Messages Received
  - Each filter/flow tuple treated as separate message
  - May be writable, but not required to be
- Reservations Requested Table
  - Reservation Messages being sent upstream
  - Optional

Ye Recommendation

- Noted updates to be made momentarily
- Shippest thou it
- Please