RSVP/IntServ MULTI_TSPEC
at IETF83

draft-ietf-tsvwg-intserv-multiple-tspec-01

27 March 2012

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Scope of ID

• This doc creates the optimization of conveying more than one TSPEC: in a PATH message, and in the corresponding RESV message

• This is creating an extension to IntServ

But then, Lou Berger had an idea…
RSVP vs. IntServ Object

• We could make it an RSVP Object for any MULTI_xxSPEC (or “MULTI_X”)
  – This would remove the Object from IntServ
  – This could be the same place where every multiple instance of an Object goes. For the
    • MULTI_TSPEC
    • MULTI_PREEMPTION
  – The logic would force every router to read this new Object to see if there are multiple instances of something it cares about.
Comparing Old with New Proposal

- Original MULTI_TSPEC Object
  - TSPEC Object Header
  - 5 word TSPEC
  - 5 word TSPEC
  - 5 word TSPEC

- Option 1 - New RSVP MULTI_X Object
  - RSVP Object Header
  - Subheader
  - Full TSPEC
  - Preemption_Pri
  - Subheader
  - Full TSPEC
  - Preemption_Pri

- Option 2 - New RSVP MULTI_X Object
  - RSVP Object Header
  - TSPEC Subheader
  - 7 word TSPEC
  - Subheader
  - 7 word TSPEC
  - Preemption_Pri
  - Preemption_Pri
  - Preemption_Pri
New Open Issues

- Two choices:
  - Keep in IntServ (and others where they are to be)?
  - Move every “MULTI” blob to single new Object in RSVP?
  - If yes, does new MULTI_X Object document also contain MULTI_TSPEC text, or are they separate?
  - If yes, which format should this new object take (option#1 or #2)

- No list traffic about either choice – need this!!