RSVP (part 1)

Essentials: RSVP characteristics; differentiating LDP and RSVP

Agenda

- Test #1: **Wed Feb 6** in Room CA412 (building other side of Woodroffe)
  Will cover everything in MPLS modules 0-4 as well as all lab material
- Nokia Feb break course: only 2 spots left
  – a great plan to secure future summer or permanent employment?
- Complete Module 3 on LDP (slides 75-94)
- Start RSVP: Module 4, section 1 (Intro, protocol basics, control plane)
  (Also: RFC2113 – IP Option 20 = Router Alert and "fast path")
- Coming next: Traffic Engineering in RSVP

Assignments and Lab work

- Read: MPLS Module 4: RSVP (entire; by next Wed)
- Read (from last week): NRS-II book: Chapter 13 pages 600-656 by Wed
- Exercise #1 (on BrightSpace): MPLS LSPs and Labels
- Lab 4 in-Lab: Nokia MPLS Lab Guide, Labs 3.4 plus 2 additional tasks
  (i.e. IGP shortcuts; simple RSVP LSP)
- Lab 4 post-lab: due by **11:59pm Sat/Thu** according to your lab section
- Coming next: Lab #5: MPLS Lab Guide, Lab 5.1 and prep for Lab 5.3

RSVP Overview & Key Points

- RSVP concepts
- RSVP with Traffic Engineering concepts
- RSVP message types
- RSVP session establishment for an LSP
- LSP signalling using RSVP
- LSP-ping and LSP-traceroute for RSVP-based LSPs

Some good summary slides include:

- RSVP pre-requisites; slide 10
- Minimum required configuration; slide 17
- RSVP messages; slide 33
- Section 1 summary; slide 42
- Module summary; slides 60-61