

## RSVP (part 1 of several)

Essentials: RSVP characteristics; differentiating LDP and RSVP

### Agenda

- Test #1: **Fri Feb 7** during regular class time  
Will cover everything in MPLS modules 0-4 as well as all lab material
- 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)  
Reference: NRS-II book: Chapter 13 pages 600-656
- Exercise #1 (on BrightSpace): MPLS LSPs due **Wed Feb 5 @ 11:59am**
- 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