

RSVP + Traffic Engineering (TE)

Essentials: TE constraints, TED, CSPF

Agenda

- Field trip to Nokia: Wed Mar 4 9:00am-noon **600 March Rd**
 - arrive on location at Nokia by 9am; return to Algonquin by noon
 - need to organize car pooling, especially drivers!
 - EDU lab tour; research lab tour; chat with past grads; chat with managers
 - bring one or more printed copies of your résumé
 - Yes, this is a formal part of the course
- Take up any questions from previous lectures, labs, or test #1
- Helpful lab command for testing & debugging LSPs:
tools perform router mpls resignal lsp <lsp-name> path <path-name>
tools perform router mpls cspf to ... [from ...] [NRS-II p. 710-712]
- Complete RSVP-Traffic Engineering in Module 5 (Section 1)
 - including CSPF: what is it and how does it work? (Mod 5.46-50)
- Review RSVP-TE, Module 5:
 - Section 4, slide 141+: LDP-over-RSVP
- (Time permitting) RSVP – Mod 4
 - Four optimizations for managing RSVP sessions:
Hello Protocol, Refresh randomization, Msg-ID + Summary Refresh, ACK
- (Coming after Feb break) Start VPN Services: SA Module 1; NRS-II Ch 17

Assignments and Lab work

- Read: complete MPLS Module 5: Traffic Engineering by Wed Feb 26
Ref: NRS-II book: Chapter 14 by Mon Feb 26
- Lab 6 post-lab: due by Wed **Feb 26 @ noon**
- Lab 7 (after break): IPv6 over MPLS (NRS-II Lab 13.4)