Label Distribution Protocol

Essentials: Characteristics & parameters of LDP

Agenda

- Inlab/post-lab tip: updated batch file for connecting to MySRLab
- Review of MPLS Mod 2 from previous day (*lots* of new terminology)
  - especially Implicit and Explicit NULL (& PHP)
- Lab prep: Only a few commands are required for (link-)LDP configuration
- Start MPLS Module 3, section 1
  - the section summary on slide 63 is a good starting point for studying for quizzes & term tests!

Assignments and Lab work

- (Assigned on Monday: read in NRS-II: Ch 11, pages 513-525)
- Due by next Monday: read in NRS-II: Ch 12, pages 527-555
- Lab 1 post-lab: due by **Fri Jan 19 @ 8am**.
- Lab 2 pre-lab: due by **Fri Jan 19 @ 8am**.
- Lab 2 post-lab: due by **11:59pm the day before** your next lab session.
- Lab work: Nokia MPLS Lab Guide, Labs 3.1-3.3 (use all **/24** subnets)

References

- Original MPLS RFC3031: http://tools.ietf.org/html/rfc3031 (updates exist)

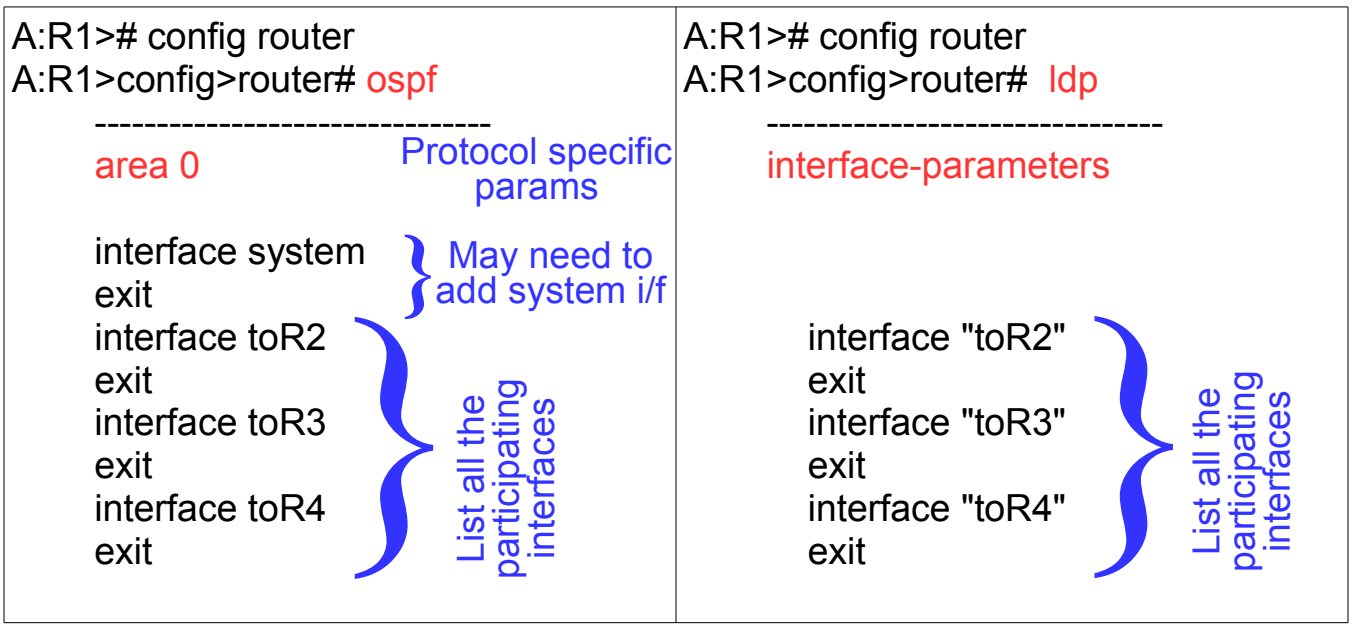
Cross-ref: MPLS Course & NRS-II book

Here's a handy chart for when you're studying!

MPLS Course			NRS-II book	
1	Intro to MPLS		11.1-11.3	Intro to MPLS
2	Fundamentals		11.4-11.8	Intro to MPLS
3	LDP		12	LDP
4	RSVP		13	RSVP-TE Operation
5	Traffic Engineering		14,15	RSVP-TE: Routing & Reservations
6	Resiliency; FRR		16	Resiliency

Lab Prep

Very few commands are required for basic (link-) LDP. Compare with OSPF:



... and then lots of *show* commands to see what's happening!

Module 3, Section 1 Summary

- Link vs Targeted (... LDP)
- LDP parameters
- Session establishment and "maintain-ance"
- OAM lsp-ping and lsp-trace