Label Distribution Protocol

Essentials: Characteristics & parameters of LDP

Agenda

- Note: Module 2 has *lots* of new terminology. If it wasn't important and useful, it wouldn't be in the course materials!
- Lab prep: Only a few commands are required for (link-)LDP configuration
- Theory:
 - Complete Module 2
 - Time permitting: 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

- Other items as per Wk02Day1 lecture summary notes
- 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)

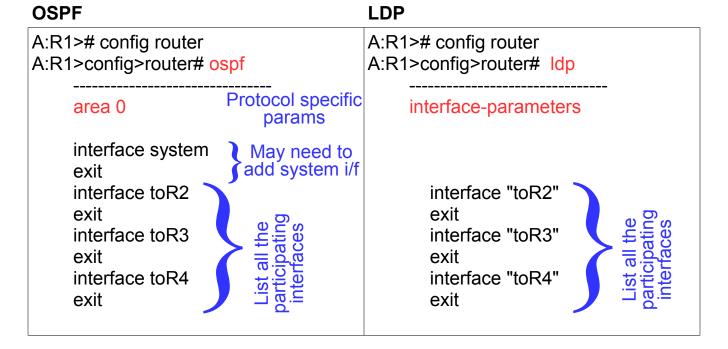
Cross-ref: MPLS Course & NRS-II book

Here's a handy chart for studying if you get the recommended textbook.

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 Isp-ping and Isp-trace