

Label Distribution Protocol

Essentials: Characteristics & parameters of LDP

Agenda

- In the News: When is traffic engineering useful/applicable? See below!
- Pls lmk asap if you have any unresolved problems with Nokia resources
- Options for SBA scheduling in April
- Dates for the two term tests confirmed & posted by Friday.
- Today's goal: complete MPLS Module 3, section 1: LDP (slides 14-62)
- Next lecture: Module 3, section 2: additional LDP features

Assignments and Lab work

- Exercise #1 on LSPs: Check course site later today.
- Due next Wed: read Module 3 (all)
Ref: NRS-II, Ch 13 (all) pages 600-656
- Lab 3 post-lab: due by 11:59pm the **day before your next lab** section
- Next week's lab work: Nokia MPLS Lab Guide, Labs 3.4 plus 2 additional tasks (i.e. IGP shortcuts; simple RSVP LSP)

Module 3, Section 1 Summary

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

In the News: Satellite vs sub-sea fibre

[Cable Outage Sees Tonga Fall Back To Satellite Internet](#)

The subsea cable providing Tonga, a country in the South Pacific Ocean, with broadband, the Tonga Cable, has been out since 20:30 local time on Sunday night, [with the nation now relying on satellite internet instead](#). From a report: *Provided by Kacific, the nation's digital connection to the outside world is now a Ku-band satellite accessed through local ISP Ezinet. Tonga Cable Director, Paula Piveni Piukala, said Kacific is working to boost internet and voice capacity for priority communications. "We appreciate Kacific's assistance, as Tonga currently has no other internet or mobile phone connectivity to the outside world," Piukala said. "Kacific's satellite service ensures that essential services can be maintained as we work to resolve the issue."*

<https://tech.slashdot.org/story/19/01/21/1521256/cable-outage-sees-tonga-fall-back-to-satellite-internet>