

# Label Distribution Protocol

## Essentials: Characteristics & parameters of LDP

### Agenda

- In the News:
  - Thanks to a student for an updated article on multitasking (see Wk1)
  - When is traffic engineering useful/applicable? See below!
- Dates for term tests confirmed & posted: Wed **Feb 6** and Wed **Mar 13**
- Issues with BrightSpace quizzes, Nokia MySRLab bookings:
  - regex for answers not working properly; currently working to resolve this
  - Bug Hunter Bonuses should be visible; if not, pls lmk
  - Pls lmk asap if you still don't have Nokia MySRLab reservation credits, or of any other problems still unresolved
- Today's goal: complete MPLS Module 3, section 1: LDP (slides 9-62)
- Next lecture: Module 3, section 2: additional LDP features

### Assignments and Lab work

- Due today: read NRS-II: Ch 12, pages 527-555
- Due next Wed: read 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 and 4

### 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>