

VPN Service Configuration

Essentials: Customer, Service, SAP, SDP

Agenda

- Repeat: Date for Lab Exam: Fri April 7
 - groups to be assigned; regular lectures & labs are cancelled on that day
- Reminder Term Test #2: March 8 starting at 4pm
 - covers all lecture & lab material up to and including Mar 6
- Heads-up: Field Trip to Nokia, Kanata Campus **Mon Mar 20** noon-4pm
 - depart 12:30pm at the latest, small parking lot between T & J buildings
 - NET3010 section A2 canceled on that day; pls confirm with Prof Perron
 - must organize drivers & passenger lists soon
- Review: Service basics
- Complete VPN Services: SA Module 1 (slides 57-85); NRS-II Ch 17

Assignments and Lab work

- Read: SA Module 1 by Mon Mar 6
- Read NRS-II book: Chapter 17 by Mon Mar 6
- Lab #8: SA Lab 2: basic Epipe / VPWS service
- Lab 7 post-lab: due by 11:59pm **the day before** your lab session #8.

MPLS VPN Service Configuration

Be sure to notice the characteristics:

- All VPN services have at least two (2) SAPs (somewhere); x-pipes always have exactly two; VPLS and VPRN often have more than 2.
- Ports must first be configured in access mode with an encapsulation type (possibly left at the default *null* encapsulation)
- SAP definition requires both a port number as well as a Qtag value (though the value is implicitly *null* for *null* encapsulation).
- Local services only exist (i.e. configured) on a single router; the service only connects to SAPs
- Distributed services exist (i.e. configured) on two or more routers; the service connects to at least one SAP and at least one SDP per router.