VPLS Service Configuration
Essentials: Spoke-SDP, Mesh-SDP, VPLS forwarding rules
SAP encapsulations and treatment of Q-tags

Agenda
- Reminder Term Test #2: March 8 starting at 4pm
  – covers all lecture & lab material up to and including this lecture
- Repeat: Date for Lab Exam: Fri April 7
  – groups to be assigned; regular lectures & labs are cancelled on that day
- 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
- Cover SA Module 3-VPLS, sections 1-2 (slides 1-34)
- Cover SA Module 2-SAPs,

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Assignments and Lab work
- Re-read: MPLS modules; SA Module 1
- Read NRS-II book: Chapter 19 on VPLS by Mon Mar 13
- Lab #9: SA Lab 3: VPLS
- Lab 8 post-lab: due by 11:59pm **the day before** your lab session #9.

Lab #9 Prep: Treatment of Q-tags on SAPs

In Lab 9, we build a VPLS on top of the existing pair of ePipe services. Remember what "P" in VPN stands for: private or _separate_ traffic, so there's no chance of interference IFF we define the SAPs correctly.

In SA Module 1, we saw the three possible SAP encapsulation "modes":
- **null encapsulation**
- dot1q encapsulation (a single q-tag)
- qinq encapsulation (two q-tags)

In SA Module 2, we learn about the equivalent of a "native VLAN" (for Dot1Q encapsulation) and how to specify it in the SAP definition. There are two options:
- default SAP: e.g. 1/1/1**:***
- **null SAP** e.g. 1/1/1**:0**

Please distinguish the "**null encapsulation**" from "**null SAP**"; they're very different things! For Lab 9 – VPLS, make sure you've read and _understood_ SA Module 3, slides 8-11.