

## MPLS LSP Protection

Essentials: Failure detection; (Hot-)Standby vs non-standby Secondary LSPs

### Agenda

- Zoom URL for this lecture: <https://algonquincollege.zoom.us/j/118176569>
- Notice: **Post-lab #12** official due-date 11:59pm **Tue Apr 7** for everyone
- Continue MPLS Module 6 slide 32+ on Secondary LSPs and FRR
  - Will cover enough FRR to ensure we're ready for lab 11 (slides 72-85)

### Assignments and Lab work

- Read: MPLS Module 6 slide deck; due today! Ref: NRS-II Ch 16
- Lab 10 post-lab: due this week (Thu/Sun, according to lab section)
- Lab #11: MPLS Labs 6.1 & 6.3
  - Fri Mar 27: <https://algonquincollege.zoom.us/j/683551828>
  - Mon Mar 30: <https://algonquincollege.zoom.us/j/593042394>
- Lab #12 (last one!): VPRN (from SA Lab 9 – VPRN)

IES in Context (An example of so many places for "no shutdown" in a service!!)

Regular Interface	IES
<pre>A:R1# config router int toRx A:R1&gt;config&gt;router# info ----- interface "toRx"   address 1.2.3.4/24   ipv6     address 2001:1::1/64   exit port 1/1/1 no shutdown</pre>	<pre>A:R1&gt;# config service ies 1 cust 1 create A:R1&gt;config&gt;service# info ----- shutdown interface "toRy" create   address 5.6.7.8/24   ipv6     address 2001:2::2/64   exit sap 1/1/2 [no] shutdown</pre>
<pre>port 1/1/1 no shutdown</pre>	<pre>sap 1/1/2 [no] shutdown</pre>
<pre>interface "toRa"   address 2.3.4.5/24   ipv6     address 2001:3::3/64   exit loopback no shutdown</pre>	<pre>shutdown interface "toRb" create   address 6.7.8.9/24   ipv6     address 2001:4::4/64   exit spoke-sdp 12:1 create [no] shutdown no shutdown</pre>
<pre>loopback no shutdown</pre>	<pre>spoke-sdp 12:1 create [no] shutdown no shutdown</pre>