

Quiz on Module 1: MPLS Fundamentals

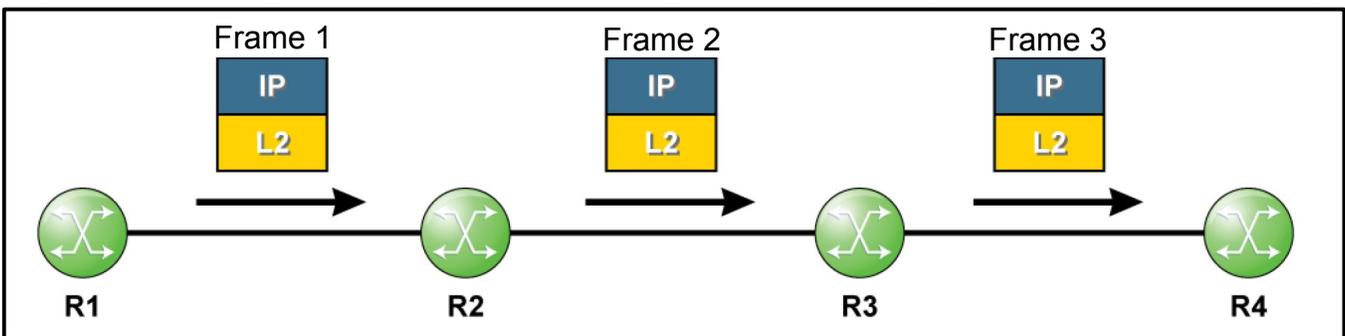
8 marks available/marked out of max 6 marks

Name: _____

1. [2 marks; 1 mark/3 correct items] Module 1 introduced a set of seven (7) "drivers" for MPLS technology (including two that have ceased to be valid). List at least 6 of the drivers for MPLS. (Ref: Module 1, slide 10)

Improving forwarding performance
Traffic Engineering applications
Building Highly Available Networks
Consolidation of Services over a common infrastructure
Delivering Layer 2 and Layer 3 Services
Triple Play Solutions
Building a BGP Free Core

2. [4 marks; L2=2, L3=2] Understanding MPLS forwarding requires contrasting with conventional IP forwarding. Prove your knowledge of conventional IP forwarding by giving (symbolic) L2 and L3 addressing info for each frame below. Tip: *How would you answer if this was a job interview?* (Ref: Module 1, slide 25)



Use the space below to draw diagrams of each frame showing addressing info.

Payload = ppp
IP dst = R3 IP src = R1
eType = xxx MAC src = mR1 MAC dst = mR2

Payload = ppp
IP dst = R3 IP src = R1
eType = xxx MAC src = mR2 MAC dst = mR3

Payload = ppp
IP dst = R3 IP src = R1
eType = xxx MAC src = mR3 MAC dst = mR4

3. [1 mark] What is the Professor's full telephone number or exact office location? [Ref: Wk1Day1, p. 1]

613-727-4723 ext 6217
T307g

4. [1 mark] What is one of the Professor's sayings? (Not to be confused with any rule(s) about classroom conduct!) [Ref: Wk1Day1, p. 2]

Have great confidence in me, but don't trust me
My focus is on learning, not on marks
TL;DR = F (guaranteed)
I would like to know everything about everything, but I don't
(Also accepted: Why do I teach? Maybe teaching is my "drug"?)