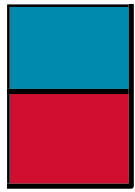# Link Aggregation and Trunking

IEEE 802 LMSC Tutorial
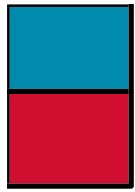
11-November-1997
Montreal, PQ

Howard Frazier, Paul Bottorff, Hon-Wah Chin,
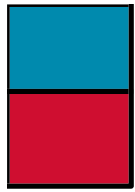**Paul Congdon, Ariel Hendel, Del Friedman**

Agenda

◆ Introduction   H. Frazier   Cisco

◆ Ethernet Parallel Path Trunking   P. Bottorff   Bay

◆ Trunking in Multiple Ethernet Links   H. Chin   Cisco

◆ Server/Switch Trunking Schemes   P. Congdon   HP

◆ Link Aggregation Trunking   A. Hendel   Sun

◆ The case for In-Band Protocols   D. Friedman 3Com
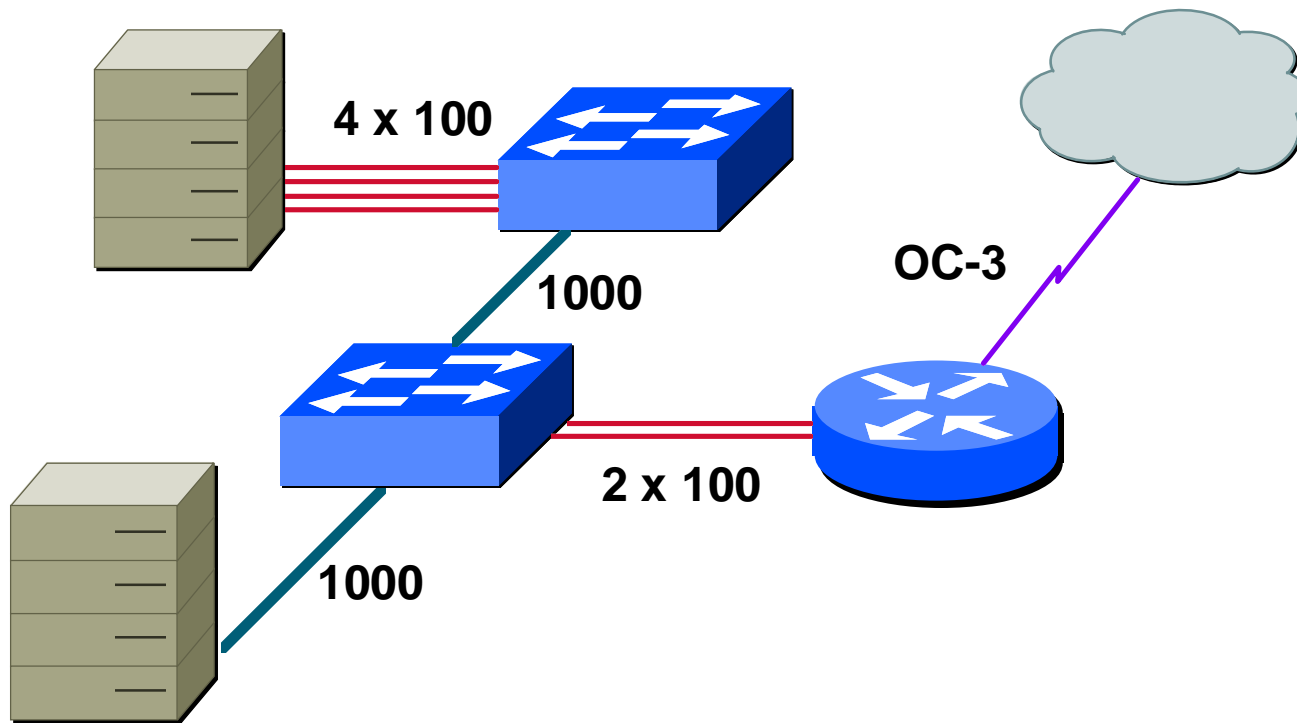
◆ Summary   H. Frazier

◆ Q&A

Introduction

◆ **The subject of this tutorial session is Link Aggregation, or Trunking**
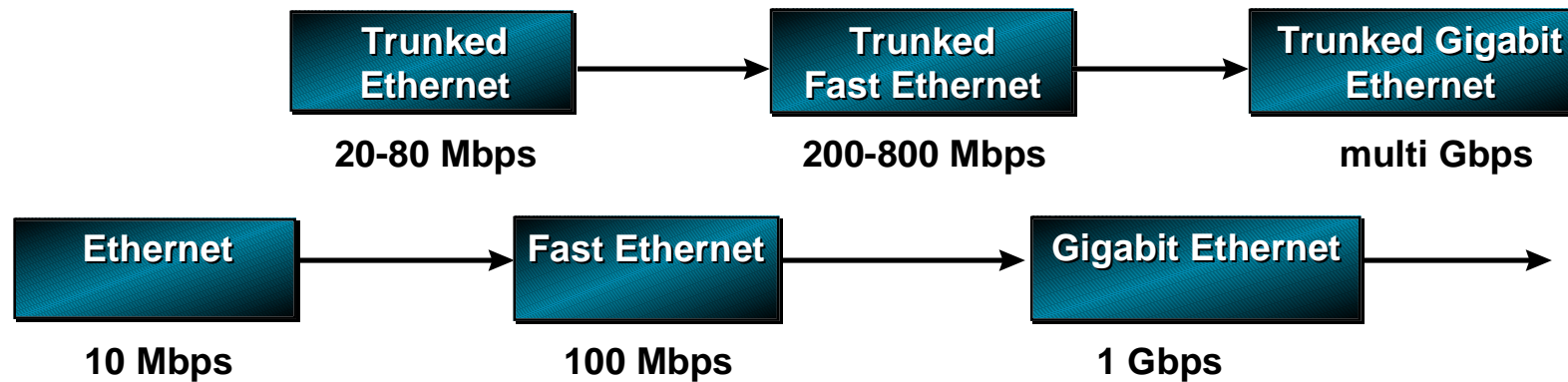
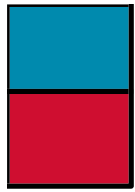◆ **Multiple physical links treated as one logical link**

Introduction

4 x 100

1000

OC-3

1000

2 x 100

CISCO SYSTEMS

Introduction

Trunked Ethernet →	**Trunked Fast Ethernet** →	**Trunked Gigabit Ethernet**
20-80 Mbps	200-800 Mbps	multi Gbps

Ethernet →	**Fast Ethernet** →	**Gigabit Ethernet** →
10 Mbps	100 Mbps	1 Gbps

◆ **Reuse standard interface technology and go ever faster**

Summary

◆ **The purpose of this tutorial is to stimulate and gauge interest in this topic**

  ◆ **Are you interested?**

◆ **Discussion will continue in 802.3 WG Thursday am**