

RE101

NETWORKS AND SECURITY

Introduction to Networks

 Laboratory course**DURATION**
2 DAYS**REGULAR FEE**
955 \$**PREFERENTIAL FEE**
860 \$

Objectives

To become familiar with the operation and use of different network technologies.

Targeted audience

Network system administrators and Web specialists, IT managers, project managers and directors (other than CEOs)..

Prerequisite

Knowledge of computer science.

Content

- Network architectures and types: local area networks (LANs), metropolitan area networks (MANs) and wide area networks (WANs)
- Local networks: Ethernet (100/1G/10G), FoE (Fiber over Ethernet)
- Transmission media: cable and fiber optics
- xDSL networks: SDSL, ADSL, HDSL and VDSL
- High-speed WANs: frame relay, ATM, SONET, POS, WDM, DWDM and MPLS
- Cable networks: cable modem technology
- Wireless networks: satellite, PCS (3G, 4G and 5G), WLAN (802.11a, b, g, n, ac and Bluetooth) and the Internet of Things
- Internetworking equipment: repeaters, concentrators, switches, routers, gateways and the principles of load balancing
- Virtual local area networks (VLANs): architectural principles and practical applications
- The future of networks and Cloud Computing

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Select the training date*

Quebec City	September 8 to September 9 2020
Montreal	November 4 to November 5 2020