

Class ID
L2SW
\$395.00

Layer 3 Router & Switch Training

Hands on training with L3 devices and gain knowledge of L3 addressing and protocols.

Firewall Training

Hands on training using live firewall on the Internet. Students will learn ACL's, stateful inspection and VPN's

VOIP Training

Hands on training using real systems connected to Internet. Each student gets a VOIP telephone for use during labs.



IP CONVERGENCE
Leverage your network

Layer 2 Switch Training

This class is designed to provide you the necessary skills and knowledge of deploying ethernet network switches plus gaining the necessary knowledge of layer 2 protocols. Students will also be provided an overview of the OSI protocol stack. How to use this network methodology when deploying enterprise networks. Students will also gain expertise in using network sniffers during labs to examine layer 2 protocols.

Topics Include

OSI Protocol Stack Overview

- Discussion of the 7 Layers
- How to use this methodology for network, design and troubleshooting

Introduction to Layer 2 Devices

- Define the difference between hubs, switches and L3 switches
- Discuss the differences between chassis switches and non-modular switches
- Discuss connecting to Layer 2 devices and establish connectivity to lab gear.

Layer 2 Networking Demonstration

- Discuss addressing at layer 2
- Discuss and demonstrate ARP and MAC tables
- Define and demonstrate layer 2 network mechanisms
- Discuss and demonstrate layer 2 issues
- Stp, Rstp & Mstp loop free networking

Layer 2 Segmentation & Protocols

- Introduction to VLAN's
- Introduction to VLAN trunking
- Discussion of open and closed trunking protocols

Layer 3 Switching

- Introduction to Layer 3 Switching
- Differences of L2 & L3 network mechanisms
- Wide Area Networking using L3 Switching