

ENTERASYS SWITCHING

● Objectives

Upon completion of this course, students will have gained the knowledge to best utilize all the existing capabilities within the Enterasys Switching Product family to both effectively and efficiently run their enterprise network.

● Course Overview

Within this course, students will learn methods to properly deploy, configure, and manage their network infrastructure utilizing the numerous network convergence, management and security functionalities within the Enterasys Switching Product families. Within the Enterprise Switching course, students will gain hands on experience by performing real world tasks in a robust lab environment including configuring convergence and traffic management protocols, as well as implementing security and management capabilities.

● Course Prerequisite

□ Students should possess an understanding of network fundamentals, traffic classifications, and general network management concepts, as well as network security concepts and technologies.

● Class Content

- Switching Product Family Overview, including feature and functionality overview of the Enterasys Switching product line
- Device Management, Firmware upgrade process, configuration management, and statistical capabilities (NetFlow and RMON)
- Configuring and implementing 802.1Q VLAN's, including Multiple Spanning Tree (IEEE 802.1s – MST), Egress capabilities and VLAN classifications
- Overview and configuration of Spanning Tree (802.1w / 1s), including protocol discussions, convergence protection using Span Guard and recommended practices for implementation.
- Bandwidth optimization utilizing Link Aggregation (802.3ad)
- Discussions on Traffic Management, including feature and functionality overviews of Port versus VLAN mirroring and Flow Setup Throttling. Discussions also include network traffic analysis, as well as methods for reducing unwanted network traffic by using Quality of Service features (Traffic classification, marking and forwarding treatment).
- Overview, configuration and implementation of the multiple supported authentication methods including RADIUS, 802.1x, MAC-based authentication, Port Web Authentication (PWA), Convergence End Point (CEP), and Enterasys Policy Implementation. In addition, the topics of concurrent implementation of authentication methods, Hybrid authentication, multi-user authentication (MUA) and "User + IP Phone" are also covered.

● Who Should Attend

Network Managers, Architects, and Systems Integrators

● Additional Information

Associated Certifications: Enterasys Systems Engineer
Training Method: Instructor Led

Course Duration

4 days

Course Cost

R10 000.00 Excl. VAT Per person per

Contact

JHB: 011 351 9800

CTN: 021 423 7115

www.duxbury.co.za

training@duxnet.co.za