DUXBURY
Networking

Training Overview

ENTERASYS ENTERPRISE ROUTING

Objectives

Upon completion of this course, students will have gained the knowledge to best utilize the supported routing protocols and functionalities within the Enterasys Routing 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 redundancy functionalities within the Enterasys Routing Product families. Within the Enterprise Routing course, students will gain hands on experience by performing real world tasks in a robust lab environment including configuring network convergence protocols, as well as implementing security and redundancy capabilities.

Course Prerequisite

Students should possess a solid understanding of network fundamentals, general network management concepts and a working familiarity with standards based routing protocols including OSPF, RIP, BGP, VRRP and PIM. Enterasys recommends the following courses prior to enrolling in the Enterprise Routing course: Enterprise Switching.

Class Content

- Routing Technology Overview – ☐Specific to Enterasys Routers; which will cover an introduction to the multiple supported routing protocols, Routing Table Maintenance, ARP configuration parameters, understanding and building Access Control Lists (ACL), and general IP Configuration.

- Basic Routing Configuration – routes, Static routes and Routing Information Protocol (RIP) are discussed.

- Open Shortest Path First (OSPF) Routing Protocol – Technology overview, configuration and implementation of the OPSF Routing Protocol. Topics of importing static routes, redistribution of routes, Stub Areas, Not So Stubby Areas (NSSA), Authentication, Route Summarization and troubleshooting techniques are also discussed.

- Access Control Lists (ACL) – Technology overview, configuration and troubleshooting of ACL's and Policy Based Routing (PBR) capabilities.

- Distance Vector Multicast Routing Protocol (DVMRP) – Technology overview, configuration, implementation and troubleshooting techniques of the DVMRP Multicast Routing Protocol.

- Virtual Router Redundancy Protocol (VRRP) – ☐overview, configuration, implementation and troubleshooting techniques of the VRRP Routing Protocol. Topics of Critical IP configuration and usage, and multiple instances (load sharing) are also discussed.

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

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Networks that Know