Advanced Switching/ Routing Configuration and Management (ETH 405)

GLOBAL EDUCATION SERVICES

Brocade
Certified Network Professional

DESCRIPTION:

This course is an in-depth study of Layer 2 and Layer 3 features of Brocade switches and routers including advanced technologies such as Spanning Tree, OSPF, and BGP. It covers network design, system configuration and troubleshooting using Brocade Ethernet switches and routers.

This course is available in a traditional classroom, on-line with a live instructor (virtual classroom), or as self-paced, web-based training. Some delivery options include lab exercises.

This course is designed in part, to prepare students for the 150-210 BCNP exam.

OBJECTIVES:

Upon successful completion of this course, students should be able to:

- Implement advanced designs and configurations in Layer 2 and 3 Data Networks.
- Implement advanced STP, OSPF and BGP features on Brocade Ethernet switches and routers.
- Tune the Brocade Layer 2 network for fast STP failover.
- Design and configure multi-homed networks with BGP attributes and scale IBGP with route reflectors.
- Interconnect Brocade Ethernet switches and routers based on a network design.
- Troubleshoot the in-class design implementations using the CLI show commands.

PREREQUISITES:

- ETH 103, CNE 200, or equivalent knowledge
- Previous exposure to general network management issues in a Brocade Ethernet environment
- Brocade Ethernet CLI

AUDIENCE:

- Customers or resellers who are experienced with Brocade Ethernet products
- Network technicians with installation, configuration, and troubleshooting experience with Brocade Ethernet Products
- Network administrators responsible for implementing and managing small to large enterprise and ISP networks
- Network device installers and first-line support for a local- to global-sized business environment
- Brocade Certified Network Professional (BCNP) candidates

DELIVERY OPTIONS:

Brocade Education Solutions provides you with several options to attend ETH 405 training:

- Course delivery:
  - **Instructor-led** courses, taught by an instructor in a classroom
  - **Virtual classroom** courses, taught by an instructor in an on-line environment
  - **Web-based** courses that are self-paced and studied on-line
- Lab exercises:
  - **Hands-on labs** using remotely-accessed lab equipment that is available only during the course
  - **Simulated labs** using pre-recorded software simulations that are available during and after the course

The ETH 405 course is available in five versions:

- **ETH 405-ILS**: Five days of instructor-led classroom training with simulated lab exercises.
- **ETH 405-ILT**: Five days of instructor-led classroom training with hands-on lab exercises.
- **ETH 405-VCS**: Five days of virtual classroom training with simulated lab exercises.
- **ETH 405-VCT**: Five days of virtual classroom training with hands-on lab exercises.
- **ETH 405-WBT**: 20 hours of web-based training and simulated lab exercises.

Brocade Education Solutions
408-333-5036 education@brocade.com www.brocade.com/education_services
Broomfield Frankfurt Geneva New York City
Plymouth Paris San Jose Staines

© 2011 Brocade Communications Systems, Inc. All Rights Reserved. 01/11
Brocade, the B-wing symbol, BigIron, DCX, Fabric OS, FastIron, IronPoint, IronShield, IronView, IronWare, JetCore, NetIron, SecureIron, ServerIron, StorageX, and TurboIron are registered trademarks, and DCFM, Extraordinary Networks, and SAN Health are trademarks of Brocade Communications Systems, Inc., in the United States and/or in other countries. All other brands, products, or service names are or may be trademarks or service marks of, and are used to identify, products or services of their respective owners.

BROCADE