Brocade MPLS Implementation

BROCADE UNIVERSITY

Brocade
Certified Service Provider Network Engineer

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PREREQUISITES:

- Brocade Layer 2 switching and Layer 3 routing content covered in *Brocade Certified Network Engineer (BCNE) Training* (*CNE 200*) or *Basic Switch/ Router Configuration and Management* (*ETH 103*), or equivalent knowledge.
- Advanced Brocade switching/routing and IGP content covered in *Brocade Certified Network Professional (BCNP) Training* (*CNP 300*) or *Advanced Switching/Routing Configuration and Management* (*ETH 405*), or equivalent knowledge.
- BGP content covered in *BGP Training* (*BGP 400*), or equivalent knowledge.

AUDIENCE:

This course is for advanced support engineers, enterprise network engineers, service providers, or anyone else needing detailed foundational information to install, configure, maintain, and troubleshoot MPLS in a Brocade environment.

DESCRIPTION:

This 3-day instructor-led course is an in-depth study of deploying networks using Multiprotocol Label Switching (MPLS). Course materials focus on features of the Brocade NetIron series of routers including multiple advanced L2 / L3 VPN technologies such as VLL, VPLS, and L3 VPNs. This course covers MPLS concepts, benefits, protocols, designs, configurations, and basic troubleshooting.

MPLS 400 is one of the courses in a curriculum path which leads to the Brocade Certified Service Provider Network Engineer (BCSPNE) certification. It is also is a pre-requisite for Brocade University MPLS Traffic Engineering (MPLS-TE 450).

OBJECTIVES:

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

- Describe Multiprotocol Label Switching (MPLS).
- Describe the benefits of a Brocade MPLS implementation.
- Implement MPLS network designs and configurations using Brocade routers.
- Implement Brocade L2 VPN networks.
- Implement Brocade L3 VPN networks.
- Describe how to use Brocade Network Advisor in MPLS environments.

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