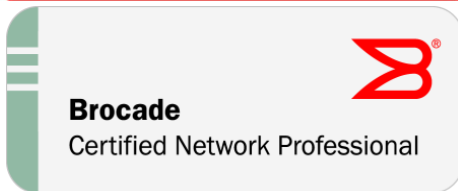


Brocade Certified Network Professional (BCNP) Training (CNP 300)



**BROCADE
UNIVERSITY**



DESCRIPTION:

This course provides an in-depth study of the Brocade Ethernet Switch/Router family of products and how they are utilized in an enterprise network. The course covers advanced configuration, operations and maintenance of L2/L3 protocols including STP, RSTP, OSPF, MCT, IS-IS, and BGP in an enterprise network.

This course is available in a traditional classroom or online with a live instructor (virtual classroom).

This course is designed in part, to prepare students for the following exam: (150-220) Brocade Certified Network Professional exam (BCNP).

OBJECTIVES:

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

- Configure, implement, and maintain Layer 2 STP protocols (RSTP, MSTP, PVST).
- Describe and configure Multi-Chassis Trunking (MCT).
- Integrate MCT with VRRP-E for redundancy.
- Configure, implement, and maintain Layer 3 routing protocols (OSPF, IS-IS, BGP).
- Describe OSPF router types and the neighbor adjacency process.
- Differentiate between the OSPF and IS-IS protocols.
- Discuss BGP4 protocol overview.
- Differentiate and describe EBGP and IBGP roles in BGP operations.
- Configure basic BGP peering and route map utilization.

PREREQUISITES:

Working knowledge of:

- *Brocade Certified Network Engineer (BCNE) Training (CNE 200), Basic Switch/Router Configuration and Management (ETH 103), or equivalent knowledge*
- General network maintenance or administration of a Brocade IP/Ethernet environment
- Brocade IP/Ethernet product CLI

AUDIENCE:

This course is designed for network administrators, system administrators, network architects, systems engineers, and technical support engineers that are involved with advanced installation, configuration, maintenance, and basic troubleshooting of Brocade Layer 2/3 products.

DELIVERY OPTIONS:

Brocade University provides you with several options to attend CNP 300 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
- 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 CNP 300 course is available in five versions:

- **CNP 300-ILS:** Three days of instructor-led classroom training with simulated lab exercises.
- **CNP 300-ILT:** Three days of instructor-led classroom training with hands-on lab exercises.
- **CNP 300-VCS:** Three days of virtual classroom training with simulated lab exercises.
- **CNP 300-VCT:** Three days of virtual classroom training with hands-on lab exercises.

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