

CFD 200

Certified Fabric Designer

This course provides students with the knowledge and skills needed to successfully design and implement Data Center Fabrics utilizing Brocade products, including the 8 Gbit/sec Data Center Backbone (DCX), and 4 or 8 Gbit/sec Directors and switches. Topics include design elements, SAN infrastructure, SAN software, data center design, distance and extension, integration and migration. This course is designed in part, to help students pass the 143-260 BCFD exam.

Target Group

This course is for SAN engineers, professional services personnel, pre-sales systems engineers, or anyone else needing detailed foundational information to design and implement Data Center Fabrics and integrate the DCX Backbones and 8 Gbit/sec products into existing SANs.

Knowledge Prerequisites

- AFS 148, Introduction to the Brocade 48000 Director WBT, or equivalent knowledge
- DCX 100, Introduction to the DCX Data Center Backbone WBT, or equivalent knowledge
- Introduction to M-Series Directors WBT, or equivalent M-Series Director knowledge
- Introduction to M-Series Switches WBT, or equivalent M-Series switch knowledge

Course Objectives

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

- Define what a Data Center Fabric (DCF) is, and how it differs from a SAN.
- Plan the integration of DCX Backbones and Brocade 48000 Directors into McDATAfabrics.
- Explain how to best implement the DCF features, including adaptive networking, QoSand Traffic Isolation Zones.
- Explain the advantages of, and how best to integrate 8 Gbit/sec technology in a DCF.
- Describe how to best utilize FCIP FastWrite, and Tape Pipelining in a Data Center Fabric.
- Explain heterogeneous SAN design to include Fabric OS and M-Series products as well as mixed open systems and FICON devices in one Data Center Fabric.
- Identify what information needs to be collected about current and target environments in order to design a Data Center Fabric.
- Identify Brocade products and features to solve fabric design requirements.
- Create a SAN design to meet customer performance, availability, and scalability requirements.
- Determine how to validate the implementation of a SAN design.
- Analyze bandwidth/availability requirements to determine ISL/IFL oversubscription ratios for a SAN design.
- Optimize the performance of an existing SAN using 8 Gbit/sec technology.
- Select methodologies to optimize and tune a deployed SAN architecture.
- Define SAN design terms and describe SAN security features in Brocade's Data Center Fabrics.
- Determine the appropriate routing solution for a given multi-fabric environment with a requirement for a set of devices to communicate.



Reservation and Registration

We will be glad to make a free and non-binding course reservation for you for the duration of two weeks. On www.experteach.de under *Registration*, you can conveniently make course reservations, registrations, and hotel reservations. Alternatively, call us under +49 6074 4868-0.

For closed groups of participants, we can modify the course contents according to your requirements. Do not hesitate to contact us!



2 days Pricing information on request

Course date (mm/dd/yy)/Location

Course dates available on request

Up-to-date information: www.experteach-training.com

BCFD



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