

## Brocade Training

Our Brocade Curriculum imparts the fundamental knowledge for the implementation and deployment of a typical Enterprise-SAN including the latest Brocade platforms as well as the new technologies of the 5th generation (16Gbps). Experience in FC/SCSI Storage Solutions and/or LANs is essential for all our Brocade classes.



## Brocade SAN Fundamentals (BRF)

ID - FL-BRF Price £ 2195 (excl VAT) Duration 3 days

### Who should attend

- Brocade Switch administrator
- System Integrators, Field / System Engineers and
- Support staff
- Employees preparing for the BCFA certification

### Pre-requisites

- Knowledge in FC/SCSI Storage solutions and LANs

### Course objectives

In this course students learn the basics of the FC protocol, get to know the Brocade platform (8/16 Gbps) and new technologies of the 5th generation (16 Gbps) and learn how to implement and manage a typical enterprise SAN. Topics of this class cover Name Server, RSCN Delivery, FCIDs, WWNs, Domain IDs, Shared Area concepts, Fabric Principal, Merging conflicts and more. Single-CP (300, 5100, 65xx) and Dual-CP. DCX/DCX4-S, DCX 8510-8/-4) Switches are covered for their high-availability and other special features. The course also covers the software features of FabricOS 7.x as well as topics like zoning and administration, Non-Disruptive Firmware Upgrades and Configuring management. Other topics of this class include Load Balancing methods, FSPF, Trunking, DLS, DPS and Routing Policies. The courses includes extensive hands-on lab exercises to deepen the theoretical knowledge learned in class.

### Course objectives

- Fibre Channel theory and concepts
- Brocade B-series Switch installation, configuration & verification
- 8 & 16 Gbps Brocade Switch-Platform Overview
- Maintenance tasks such as Firmware upgrade & configuration Management Concepts & configuration of zoning on Brocade Bseries
- Brocade Switching/Routing-concept in Fabric (Routing policies, FSPF, Load balancing)
- Brocade trunking concept
- Remote lab exercises

### Schedule

London, City - 18.06.18 - 20.06.18

London, City - 17.09.18 - 19.09.18

London, City - 10.12.18 - 12.12.18

These are FLEX courses, which are delivered both virtually and in the classroom.

## Brocade SAN Advanced (BRA)

ID FL-BRA Price - £2695 (Excl VAT) Duration 4 days

### Who should attend

- Experienced Brocade Switch administrators
- System Integrators, Field / System Engineers and
- Support staff
- SAN designer
- Employees preparing for the BCFP certification

### Pre-requisites

- Deep understanding of FC/SCSI Storage solutions and LANs
- Brocade SAN Fundamentals (BRF)

### Pre-requisites

- FC Adaptive Networking Overview (Top Talker, QoS, Ingress Rate Limiting, TI-Zones)
- FCIP tunneling techniques
- FC-FC Routing ( EX-Ports, LSANs)
- Security concepts of Brocade SAN switches
- Access Gateway Mode
- FC Long Distance
- Basic Troubleshooting SANs
- Virtual Fabrics overview
- Extensive hands-on-labs

### Course objectives

This accelerated theory-only course builds upon the Brocade SAN Fundamentals (BRF) and teaches students advanced FC SAN topics such as virtualization, Data Center Interconnect via native FC and native FCIP as well as interesting Traffic engineering techniques for Brocade @ Adaptive Networking' ( QoS, Top Talker, TI-Zoning). Other important topics deal with FC-FC Routing for more efficient and robust resource management within a SAN, security features and the popular access gateway move. Finally this course covers troubleshooting, performance and monitoring techniques like Brocades D\_Port, bottleneck monitoring and PortLog Dumps. This hands-on class features a variety of practical lab exercises and is a great resource for anyone who needs a solid overview about advanced Brocade topics. For students looking for a consolidated and theory-only class we recommend booking 'Brocade SAN Advanced Accelerated'

# Brocade SAN Advanced Accelerated (BRPW)

ID FL-BRA Price - £2695 (Excl VAT) Duration 4 days

## Who should attend

- Experienced Brocade Switch administrators
- System Integrators, Field / System Engineers and support staff
- SAN designer
- Employees preparing for the BCFP certification

## Pre-requisites

- Deep understanding of FC/SCSI Storage solutions and LANs
- Brocade SAN Fundamentals (BRF)

## Course objectives

This accelerated theory-only course builds upon the Brocade SAN Fundamentals (BRF) and teaches students advanced FC SAN topics such as virtualization, Data Center Interconnect via native FC and native FCIP as well as interesting Traffic Engineering techniques for Brocade "Adaptive Networking" (QoS, Top Talker, TI-Zoning). Other important topics deal with FC-FC Routing for more efficient and robust resource management within a SAN, Security features and the popular Access Gateway mode. Finally this course covers troubleshooting, performance and monitoring techniques like Brocades D\_Port, Bottleneck Monitoring and PortLog Dumps. This class is a great resource for anyone who needs a solid overview about advanced Brocade topics in a short amount of time. If you need hands-on exercises we recommend the 4 day class Brocade SAN Advanced (BRA)

## Course content

- FC Adaptive Networking Overview (Top Talker, QoS,
- Ingress Rate Limiting, TI-Zones)
- FCIP tunneling techniques
- FC-FC Routing (EX-Ports, LSANs)
- Security concepts of Brocade SAN Switches
- Access Gateway Mode
- FC Long Distance
- Basic Troubleshooting SANs
- Virtual Fabrics Overview

## Schedule

London, City - 21.06.18 - 22.06.18

London, City - 20.09.18 - 21.09.18

London, City - 13.12.18 - 14.12.18

These are FLEX courses, which are delivered both virtually and in the classroom.

# Brocade SAN Power Workshop (BRPW)

ID FL-BRPW Price - £2695 (Excl VAT) Duration 4 days

## Who should attend

- Experienced Brocade Switch-Administrators
- System Integrators, Field/System Engineers and
- Technical support staff
- Employees seeking the BCFP certification

## Pre-requisites

- Solid experience with FC/SCSI Storage solutions and / or LAN

## Course objectives

The Brocade SAN Power Workshop is an efficient solution for students wanting to prepare for the BCFA and BCFP certifications. It combines the 7 training days of the two classes Brocade SAN Fundamentals (BRF) and Brocade SAN Advanced (BRA) into a 5 day Power Workshop.

## Schedule

London, City - 18.06.18 - 22.06.18

London, City - 17.09.18 - 21.09.18

London, City - 10.12.18 - 14.02.18

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