



Firefly CCIE® Storage Lab Boot Camp

Length
5 days

Format
Lab workshop

Track
CCIE

Version
3.2

CCIE

Course Description

The Firefly CCIE SAN Lab BootCamp is an intensive 5-day hands-on experience that will prepare you to take and pass the Cisco CCIE Storage Networking Lab Exam.

Through a series of challenging lab workshops and analysis, you will become intimately familiar with the format and the demands of the CCIE Lab Exam. You'll learn what to expect, how to prepare, and how to master the unique challenges of this rigorous exam.

Who Should Attend

This course is intended for students who have already passed the CCIE Written Exam and are currently preparing for the CCIE Lab Exam.

Prerequisites

- Passing score on the CCIE Storage Written Examination *and*
- Firefly CCIE Storage KickStart *and*
- 1+ years hands-on experience with the MDS 9000 platform

What's Covered

Day 1 will begin with an introduction to the CCIE Storage Networking Lab Exam blueprint. You will learn what to expect to see on the exam and in the Cisco CCIE SAN lab itself. Our CCIE-certified instructors will also provide you with tips for preparing for the exam and for surviving and succeeding on the day of your exam.

You will spend the remainder of Day 1 and Days 2 and 3 working on your first practice exam. After each task, your instructor will help you analyze your performance and identify areas for improvement. You will then review the key configuration procedures, validation steps, best practices, and common errors for each task.

On Days 4 and 5, you will be asked to attempt two more complete practice exams, start-to-finish. You'll spend the late afternoon and early evening analyzing your results.

What to Expect

The Firefly CCIE Storage Lab BootCamp is an intensive and challenging course. To get the most out of it, we recommend that you:

- Take and pass your CCIE SAN Written Exam before you take this course.
- Expect to be challenged starting on Day 1. Our practice labs are deliberately designed to be *more* difficult than the actual exam.
- Plan on staying into the early evening throughout the week—including Friday. You are welcome to leave early on Friday if necessary, but you might miss the analysis of the final practice lab.

The Firefly CCIE Storage Instructor Team

This course is taught only by senior Firefly instructors who have successfully passed the CCIE Lab Exam and have achieved their CCIE Storage Networking certification.





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Course Outline

Review Workshops

- Lesson 1: Preparing for the CCIE Storage Lab Exam
- Lesson 2: Configuring VSANs
- Lesson 3: Configuring Interfaces
- Lesson 4: Configuring Cisco Fabric Services
- Lesson 5: Implementing Zones
- Lesson 6: Implementing Inter-VSAN Routing
- Lesson 7: ACL, SSH, and RBAC
- Lesson 8: Implementing Port and Fabric Security
- Lesson 9: AAA Services and NTP
- Lesson 10: Configuring FCIP
- Lesson 11: Tuning FCIP Performance
- Lesson 12: iSCSI Configuration
- Lesson 13: iSCSI CHAP and Security Options
- Lesson 14: iSCSI Server Load Balancing
- Lesson 15: QoS and FCC
- Lesson 16: FICON Configuration
- Lesson 17: Using Call Home
- Lesson 18: SPAN and RSPAN
- Lesson 19: Installing and Licensing SAN-OS

Challenge Labs

Scenario 1

Fibre Channel Configuration
IP Services Configuration
FICON

Scenario 2

ISL and VSAN Configuration
Zone Configuration
Fibre Channel Address Management
Security
IP Services
Quality of Service
FICON
Diagnostics
Switch Management

Scenario 3

ISL and VSAN Configuration
Zone Configuration
Fibre Channel Address Management
Security
IP Services
Quality of Service
FICON
Diagnostics
Switch Management

Scenario 4

Switch Management
ISL and VLAN Configuration
Zone Configuration
Fibre Channel Address Management
Security
IP Services
Quality of Service
FICON
Diagnostics



Learning
Solutions

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