

# Implementing Cisco Data Center Storage

This intermediate Cisco Data Center Storage training teaches network administrators to plan, install, upgrade, and optimize data storage solutions using Cisco technologies. Learn to make critical decisions in the data center storage planning phase and utilize Cisco tools to maximize data storage efficiency. Ideal for network administrators, this Cisco Data Center course covers key aspects of Cisco data storage management.

[CBT Nuggets course material](#) →

## WEEK 1

### Fibre Channel Fundamentals

156 min.

Introduction to Fibre Channel	7
Fibre Channel Addressing	7
Fibre Channel Registration	6
Fibre Channel Routing	12
Fibre Channel Port Types	4
Buffer-to-Buffer Credits	9
Cisco Fabric Services	5

### Interface Configuration and VSANs

Overview	1
Intro	2
What is a VSAN?	3
The VSAN Database	7
Interface Configuration	11
Trunking	7
SAN Port-Channels	10
FCDomain Configuration	10
Connecting a Host to Storage	4
Review and Quiz	8

### Configuring the Fabric

Overview	1
Intro	1
Device Aliases	15
Introduction to Zoning	12
Configuring Zones and Zonesets	12

## WEEK 2

151 min.

Smart Zoning	8
Introduction to NPV and NPIV Modes	10
Configuring and Verifying NPV and NPIV Modes	19
Review and Quiz	6

### Extending the Data Center

Overview	1
Intro	1
Extending the SAN over TCP/IP	13
Configuring and Verifying iSCSI Gateway	9
Configuring and Verifying FCIP	10
FCIP High Availability	4
Configure FCIP High Availability	10
Inter-VSAN Routing	9
Review and Quiz	7

### Understand and Configure FCoE

Overview	1
Intro to Understand and Configure FCoE	1
Why FCoE?	7
FCoE vs. Fibre Channel	10
FCoE on the Nexus 5K	7
Configuring FCoE Switching Mode	16

## WEEK 3

95 min.

Configuring FCoE NPV Mode	10
FCoE on the Nexus 7K and 9K	15

Review and Quiz	5
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### Explore SAN vs. NAS

Overview	1
Intro	1
NAS Overview	14
Server Message Block (SMB)	13
Network File System (NFS)	11
Other NAS File Services	13
Beyond Storage	4
Review and Quiz	6