



Designing HPE Nimble Solutions, Rev. 18.21

Code:	STOR-NIMBLE
Length:	2 days
URL:	View Online

The Designing HPE Nimble Solutions course is an instructor-led course. This course teaches students how to identify, recommend, and explain HPE Nimble storage solutions. It covers the HPE Nimble hardware and software, initial configuration, Nimble Storage Volumes, snapshots, and replication.

The course uses participant centered learning and hands-on labs.

Skills Gained

After you successfully complete this course, expect to be able to:

- Describe the AF-Series hardware
- Explain Scale-to-Fit with the CSx000
- Describe the AF-Series Write Operations
- Explain how to access and navigate the NimbleOS WebUI
- Navigate the InfoSight Customer portal
- List port and firewall considerations
- Analyze the NimbleOS event log
- Create protection templates
- Configure access control and initiator groups
- Describe the need to add RPO, RTO and Change Rate definitions
- Explain how replication works
- Discuss the replication considerations

Who Can Benefit

Typical candidates for this course are IT, facilities or data center professionals, who work in and around the data center and who have the responsibility to achieve and improve the availability and manageability of the data center. Typical candidate job roles include but are not limited to Pre-sales Architects, Pre-sales Engineers, Enterprise Architects, Solutions Engineers, and Technology Architects.

Course Details

Topics

Module 1: AF-Series introduction

- Describe the AF-Series hardware
- Explain Scale-to-Fit with the AF-Series

Module 2: The Adaptive Flash Array (CS-Series)

- Describe the CSx000 hardware
- Explain Scale-to-Fit with the CSx000

Module 3: NimbleOS architecture

- Describe the AF-Series Write Operations
- Deduplication
- Compression
- Sequential stripe writes
- Triple+ Parity with Integrated Spare
- Integrated spare rebuild
- Quick RAID rebuild
- SmartSecure Encryption
- Describe the AF-Series Read Operations
- Changed block operations
- Describe the CSx000 Write Operations
- Describe the CSx000 Read Operations

Module 4: NimbleOS WebUI introduction

- Explain how to access and navigate the NimbleOS WebUI
- Explain user administration
- Describe how to use Microsoft's Active Directory with user administration
- Explain how to monitor the array with the WebUI
- Explain how to update NimbleOS

Module 5: Introduction to Support and InfoSight

- Explain Nimble Support's mission statement
- Navigate the InfoSight Customer portal
- Describe support coverage and logistics

Module 6: Array initialization and setup

- Explain an array initialization process
- Explain an array configuration process
- List port and firewall considerations
- Describe SNMP setup
- Discuss SYSLOG use

- Analyze the NimbleOS event log

Module 7: Working with Nimble Storage Volumes

- Explain basic volume concepts
- Create performance policies
- Configure access control and initiator groups
- Create protection templates
- Create volume collections
- Explain volume pinning
- Create a volume using the WebUI

Module 8: Introduction to Nimble SmartSnap

- Describe how Nimble snapshots work
- Explain snapshot scheduling
- Describe the need to add RPO, RTO and Change Rate definitions
- Explain how to recover from a snapshot using Zero Copy Clones

Module 9: Introduction to Nimble Storage replication

- Describe basic replication concepts
- List SmartReplicate components
- Explain how replication works
- Describe replication process
- Discuss the replication considerations
- Explain SmartReplicate Disaster Recover

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