

## VNX File Storage Management

**This course provides training for configuring VNX file-level access for Microsoft Windows and Linux user/application environments via NFS and CIFS.**

In this course, you will learn how to configure VNX file-level access for Microsoft Windows and Linux user/application environments via NFS and CIFS. Initial storage system configuration, security, and availability using Unisphere are also covered. NAS configurations, including networking, file system creation and export in Microsoft Windows, UNIX, and VMware ESXi environments are explored. You will also learn how to configure and manage file-based local replications solutions.

The course covers a wide range of topics in detail, and includes hands-on lab exercises that reinforce the concepts covered in lectures. It is strongly recommended that only participants with the necessary prerequisite skill set attend this course.

### What You'll Learn

- Implement Unisphere security
- Provision and manage host access to storage
- Configure and manage advanced storage features such as FAST VP and FAST Cache
- Configure networking for VNX file-level access
- Configure VNX file systems
- Export VNX file systems for NFS and CIFS access
- Create and manage Virtual Data Movers
- Configure and manage VNX SnapSure

### Who Needs to Attend

IT professionals responsible for the configuration, deployment, and management of file-based VNX storage systems in heterogeneous host environments

### Prerequisites

To understand the content and successfully complete this course, you should have knowledge and skills associated with the following:

- VNX system architecture
- TCP/IP networking
- Ethernet switch configuration, including management of switch features like VLANs, Ethernet settings, including duplex, throughput, and port channeling
- Basic Microsoft Windows and UNIX administration skills (managing users/groups, files, and directories)
- Basic VMware ESX/ESXi operations and management

### Follow-On Courses

There are no follow-ons for this course.

### Course Outline

#### 1. Unisphere Security and Basic Management

- Unisphere and CLI Interface
- Unisphere Security Features and Implementation
- Unisphere Authentication and Control Station Auditing
- Notification Methods and Event Monitoring

## **2. Storage System Provisioning**

- SP Networking and Cache
- Managing VNX Storage Objects

## **3. Advanced Storage Concepts**

- FAST VP and FAST Cache

## **4. Data Mover Networking**

- Data Mover Network Devices
- Implementing DNS and Time Services
- Networking high availability features

## **5. Virtual Data Movers**

- Virtual Data Mover Overview
- Create and Manage Virtual Data Movers

## **6. Configuring and Exporting File Systems**

- File System Components and Features
- File System Creation and Administration
- Exporting File Systems to UNIX and ESXi

## **7. Configuring CIFS**

- Create and Join a CIFS Server to a Windows Domain
- File System Access Via CIFS
- CIFS Operational Considerations
- Usermapper

## **8. Networking Features**

- Networking Features Overview
- Networking Features Configuration
- Complex Examples and Considerations

## **9. VNX SnapSure**

- VNX SnapSure Theory and Operations
- Configuring and Planning SnapSure
- Managing Checkpoints

## **10. Data Mover Failover**

- Configuring Data Mover Failover
- Testing Data mover Failover and Failback

## **Labs**

In addition to lecture and demonstrations, this course includes labs designed to allow practical experience for the participant.

## **Further Information:**

For More information, or to book your course, please Call/Email us on : - +254 713 027 191

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