

## VxFlex OS and Ready Node Implementation and Management

**Duration: 5 Days    Course Code: SCLIOIM2**

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### Overview:

This course provides a complete view of designing, installing and managing a VxFlex OS or Ready Node system. You will perform initial design and installation and then walk through a typical working day of activities for a VxFlex OS administrator, including working with the MDM, SDS, SDC, volumes, adjusting cache, and administrating the system. A deeper understanding of the architecture and components will be introduced so the administrator understands the impact of their actions and perform monitoring and troubleshooting. Demonstrations and hands-on labs complete the learning experience.

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### Target Audience:

This course is intended for those who will be involved in installing, configuring, managing, administering, provisioning and monitoring a VxFlex OS solution.

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### Objectives:

- Upon successful completion of this course, participants should be able to:
  - Design, install and configure a VxFlex OS cluster
  - Manage system user accounts and secure the VxFlex OS system
  - Create, map, and protect VxFlex OS volumes and manage system capacity
  - Monitor and troubleshoot the health and performance of the VxFlex OS system
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### Prerequisites:

To understand the content and successfully complete this course, a student must have a suitable knowledgebase/skill set. The student must have an understanding of:

- Storage networking infrastructures and concepts
  - Monitoring and reporting concepts
  - Virtualized data center concepts
  - VxFlex OS product concepts
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## Content:

The content of this course is designed to support the course objectives.

Introduction to VxFlex OS

? Introduction to Problem of Practice

? Introduction to VxFlex OS

? VxFlex OS Architecture

■ ? Use Cases

Solution Design

? Topology and Component Design

? Network Requirements

? Calculating Cache and Volume Requirements

■ ? Finalize the Design

VxFlex OS Installation

? ESXi installation process

? Upgrade Procedures

? Expand the Cluster

■ ? Integration with OpenStack

A Day in the Life of the VxFlex OS Admin

? Data Center with VxFlex OS

■ ? The Working Case Overview

System Management

? Management Interfaces

? VxFlex OS CLI

? VxFlex OS GUI

? VMware Plugin

? OpenStack

■ ? VxFlex OS REST API

Configuring the System

? Security and User Management

■ ? Adding System Capacity

Administering Volumes

? Manage Volumes

? Host Operations

■ ? Volume Protection

Managing System Objects

? Managing the Cluster Components

? Managing the System Components

■ ? Managing the Volume Components

Monitoring VxFlex OS

? Why Monitoring is Important

? Monitoring System Health

? Event Logging and Alerts

■ ? VxFlex OS System Performance

VxFlex OS Troubleshooting

? VxFlex OS Troubleshooting

? Using Logs for Triage

■ ? Troubleshooting Common Issues

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 us on 00 971 4 446 4987

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