

# VxFlex OS and Ready Node Implementation and Management

## Course Description

### Overview

#### Course Duration

4 Days

This course provides a complete view of installing and managing a VxFlex OS or Ready Node system. You will perform 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 administering 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.

### Audience

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

### Prerequisite Knowledge/Skills

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

#### Support Contact

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### Course Objectives

Upon successful completion of this course, participants should be able to:

- 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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### Course Outline

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

- Introduction to VxFlex OS
  - Introduction to VxFlex OS
  - VxFlex OS Architecture
  - Integration Options
- VxFlex OS Installation
  - ESXi installation process
  - AMS installation process
  - Linux installation process
  - Expand the Cluster
  - Upgrade Procedures
  - Functional Overview
- Management Interfaces
  - Management Interfaces
  - VxFlex OS CLI
  - VxFlex OS GUI
  - VMware Plugin
  - AMS
  - OpenStack
  - VxFlex OS REST API
- Configuring the System
  - Security and User Management
  - Adding System Capacity
- Administering 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

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- VxFlex OS Troubleshooting
- Troubleshooting Common Issues

### Course Duration

4 Days

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

### Course Delivery Modes and Product Version Information

Refer to the **Product Version Description** document for a list of Delivery Modes and product versions covered by this course.

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