

# DELL TECHNOLOGIES VXRAIL ADMINISTRATION

Course Code: 821599

Learn the skills necessary to administer and manage VxRail cluster.

This course presents the skills necessary to administer and manage a VxRail cluster. Key topics include management interfaces, managing cluster configurations, resource provisioning and expansion, monitoring, managing availability, and basic troubleshooting.

Hands-on labs, video demonstrations, and interactive simulations are included in the course to provide a step-by step walkthrough of the key procedures to manage the cluster.

## What You'll Learn

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

- Describe the VxRail system architecture and components.
- Manage a VxRail cluster using vCenter and the VxRail Manager Plugin for vCenter.
- Configure and provision resources on a VxRail cluster.
- Monitor system status, health, and performance.
- Maintain the system and troubleshoot basic system issues.

## Who Needs to Attend

This course is intended for customers, partners, and Dell employees who are responsible for administering and managing VxRail clusters.

## Prerequisites

This course assumes that the students are familiar with:

- VxRail system architecture and theory of operations
- IP networking and configurations
- VMware vCenter Server to configure virtual resources

The VxRail 7.0.XXX Concepts course and the VMware vSphere: Install, Configure, Manage course or equivalent knowledge are recommended.

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VIRTUAL CLASSROOM LIVE

\$3,300 USD

3 Day

## Virtual Classroom Live Outline

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

### **Review VxRail Deployment Options**

- Review VxRail Architecture and vCenter Deployment Options
- Review VxRail Network Deployment Options
- Locate Documentation and Resources for Administering VxRail

### **Manage the VxRail Cluster**

- Identify the Interfaces Used to Manage VxRail
- Manage VxRail Using the VxRail Plugin for vCenter Server

### **Perform Maintenance and Troubleshooting**

- Explore SolVe Online and Generate VxRail Procedures

### **Perform Additional Administrative Tasks**

- Manage VxRail Networking

## Virtual Classroom Live Labs

### **Lab: Manage VxRail Cluster with vSphere Client Using VxRail Plugin**

- Review vSAN

### **Lab: Explore the VxRail vSAN Cluster Configuration**

- Monitor the Health and Performance of the VxRail vSAN Cluster

### **Lab: Monitor Health, Capacity, and Performance of the VxRail vSAN Cluster**

- Manage vSAN Services

### **Lab: Manage vSAN Space Efficiency**

- Manage and Use vSAN Storage Policies

### **Lab: Manage and Use vSAN Storage Policies**

- Manage vSAN HCI Mesh
- Demonstration: Manage vSAN HCI Mesh
- Manage the VxRail vSAN Cluster Availability

**Lab: FTT, FTM, and Fault Domain Interactions**

**Lab: Place a Node into Maintenance Mode**

**Lab: Restart VM Using vSphere High Availability**

**Lab: Node Utilization and Failover**

**Lab: Generate VxRail Procedures with SolVe Online**

- VxRail Manager File-Based Backup and Restore

**Lab: VxRail Manager File-Based Backup**

- Perform Cluster Expansion
- Interaction: Perform VxRail Cluster Expansion
- Upgrade VxRail Software
- Interaction: Perform VxRail Software Upgrade

**Lab: Perform Log Collection**

- Troubleshoot VxRail Issues
- Interaction: Explore iDRAC and ESXi Shell

**Lab: Create and Configure VDS for Production Traffic**

- Manage a Stretched Cluster Deployment

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