

# VxRail Appliance Administration - Classroom

## Course Description

### Course Duration

3 Days

### Overview

This course presents the knowledge necessary to administer and manage a VxRail Cluster. Key topics include management interfaces, managing cluster configurations, resource provisioning, monitoring, managing availability, and basic troubleshooting. Hands on labs included in the course provide a step-by step walkthrough of the key procedures to manage the cluster.

### Audience

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

### Prerequisite Knowledge/Skills

This course assumes that the students are familiar with:

- VxRail Appliance architecture and theory of operation
- IP networking and configurations
- VMware vCenter Server to configure virtual resources
- VMware vSAN and its policy based management

The VxRail Appliance Concepts and the VMware vSphere: Install, Configure, Manage courses or equivalent knowledge are recommended.

### Course Objectives

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

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

### Support Contact

[Education Services](#)

### DELL EMC Corporation

Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America  
1-866-464-7381

### Course Outline

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

- Module 1 – VxRail Overview
  - Benefits of Hyper-converged Infrastructure
  - What is VxRail?
  - VxRail Network Considerations
  - VxRail Documentation and Resources

# VxRail Appliance Administration - Classroom

## Course Description

### Course Duration

3 Days

- Lab: Explore VxRail Documentation
- Module 2 – VxRail Administration and Management Overview
  - Introduction to Management Interfaces
  - vSAN Overview
  - VxRail Conventions
  - Lab: Explore VxRail Manager
  - Lab: Explore VxRail Cluster with vSphere Web Client
  - Lab: Explore VxRail Cluster with HTML5 vSphere Client
- Module 3 – VxRail Manager
  - VxRail Manager Views
  - VxRail Manager Tasks
  - VxRail Manager Security
  - Lab: Monitoring with VxRail Manager
- Module 4 – Managing vSAN
  - vSAN Configuration
  - Storage Policies
  - Monitoring vSAN Cluster
  - vSAN Availability Considerations
  - Lab: Monitor Health and Performance of VxRail vSAN cluster
  - Lab: FTT/FTM/Fault Domain Interactions
  - Lab: Manage vSAN Storage Policies
- Module 5 – Managing Virtualization
  - vSphere Concepts and Functions
  - Managing vSphere
  - Lab: VM Deployment with vSAN Storage Policy
  - Lab: Configure VDS Port Group
- Module 6 – Availability Management
  - VxRail Availability Features
  - VxRail Data Protection Options
  - Stretched Clusters
  - Lab: Restart VM using HA
  - Lab: Node Utilization and Failover
- Module 7 – Maintenance and Troubleshooting
  - VxRail Health Check and Log Collection
  - VxRail Maintenance Procedures
  - Troubleshooting
  - Lab: Explore iDRAC and ESXi Shell
  - Lab: Log Collection
  - Lab: View VxRail Advisories and Knowledgebase Articles

### Support Contact

[Education Services](#)

### DELL EMC Corporation

Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America  
1-866-464-7381



# VxRail Appliance Administration - Classroom

## Course Description

### Course Duration

3 Days

- Lab: Generate VxRail Procedures with SolVe Desktop

In addition to lectures, 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.

*Copyright © 2018 Dell Inc. or its subsidiaries. All Rights Reserved. Dell, EMC, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be the property of their respective owners. Published in the USA.*

### Support Contact

[Education Services](#)

### DELL EMC Corporation

Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America  
1-866-464-7381