



## VxRail Appliance Administration

**Duration: 3 Days**    **Course Code: VAA**

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### Overview:

This course presents the knowledge 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 included in the course provide a step-by-step walkthrough of the key procedures to manage the cluster.

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### Target Audience:

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

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### Objectives:

- Upon successful completion of this course, participants should be able to:
    - Describe the VxRail Appliance 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
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### Prerequisites:

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 The VxRail Appliance 4.7.XXX Concepts On Demand course and the VMware vSphere: Install, Configure, Manage course or equivalent knowledge are recommended.
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## Content:

• Module 1 :	• Module 4 :	VxRail Data Protection Options
VxRail Overview	Managing vSAN	Stretched Clusters
VxRail Overview	vSAN Configuration	Lab: Restart VM using HA
Network Considerations	Storage Policies	Lab: Node Utilization and Failover
Documentation and Resources	Monitoring vSAN Cluster	• Module 7 :
Lab: Explore VxRail Documentation and Resources	vSAN Availability	Maintenance and Troubleshooting
• Module 2 :	Lab: Manage vSAN Storage Policies	Maintenance Procedures
Administration and Management Overview	Lab: Monitor Health and Performance of VxRail vSAN Cluster	VxRail Manager File-Based Backup and Restore
Introduction to VxRail Management Interfaces	Lab: FTT/FTM/Fault Domain Interactions	Drive Expansion
vSAN Overview	• Module 5 – Managing Virtualization	Cluster Expansion
VxRail Configurations	vSphere Concepts and Functions	VxRail Software Upgrade
Lab: Explore VxRail Cluster with vSphere Client and VxRail Manager Plug-in	Managing Virtual Machines	Log Collection
Lab: Explore iDRAC and ESXi Shell	Managing Virtual Networks	Troubleshooting
• Module 3 :	Dell EMC OpenManage Network Integration (OMNI) for VMware vCenter	Lab: Generate VxRail procedures with SolVe Online
VxRail Management	Lab: VM Deployment with vSAN Storage Policy	Guided Simulation - Cluster Expansion
VxRail Manager Plug-In Overview	Lab: Configure VDS Port Group	Lab: Log Collection
Monitoring VxRail	• Module 6 :	Lab: View VxRail Advisories and Knowledgebase Articles
VxRail Roles and Permissions	Availability Management	
Lab: Monitoring with VxRail Plug-in	Availability Features	

## Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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