# **TechyEdz Solutions**

Training | Consulting | Developement | Outsourcing



## VxRail Appliance Administration









### **VxRail Appliance Administration**

#### Course 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.

#### Course Outline:

#### 1. VxRail Overview

- VxRail Overview
- Network Considerations
- Documentation and Resources
- Lab: Explore VxRail Documentation

#### 2. Administration and Management Overview

- ➤ Introduction to VxRail Management Interfaces
- > vSAN Overview
- VxRail Configurations
- Lab: Explore VxRail Cluster with vSphere Client and VxRail Plug-in
- Lab: Explore iDRAC and ESXi Shell

#### 3. VxRail Management

- VxRail Plug-in Overview
- Monitoring VxRail
- VxRail Roles and Permissions
- Lab: Monitoring with VxRail Plug-in

#### 4. Managing vSAN

- > vSAN Configuration
- Storage Policies
- Monitoring vSAN Cluster
- vSAN Availability
- Lab: Manage vSAN Storage Policies
- Lab: Monitor Health and Performance of VxRail vSAN Cluster

➤ Lab: FTT/FTM/Fault Domain Interactions

#### 5. Managing Virtualization

- vSphere Concepts and Functions
- Managing Virtual Machines
- Managing Virtual Networks
- > Dell EMC OpenManage Network Integration (OMNI) for VMware vCenter
- ➤ Lab: VM Deployment with vSAN Storage Policy
- ➤ Lab: Configure vDS Port Group

#### 6. Availability Management

- Availability Features
- VxRail Data Protection Options
- Stretched Clusters
- ➤ Lab: Restart VM using HA
- ➤ Lab: Node Utilization and Failover

#### 7. Maintenance and Troubleshooting

- ➤ Maintenance Procedures
- Drive Expansion
- Cluster Expansion
- Software Upgrade
- ➤ Log Collection
- Troubleshooting
- Lab: Generate VxRail procedures with SolVe Online
- Guided Simulation Cluster Expansion
- ➤ Lab: Log Collection
- Lab: View VxRail Advisories and Knowledgebase Articles

#### Prerequisites:

- VxRail Appliance architecture and theory of operation
- > IP networking and configurations
- VMware vCenter Server to configure virtual resources

#### Who Should Attend:

- ➤ This course is intended for customers, partners and Dell EMC employees who will be responsible for administering and managing VxRail Clusters.
- Number of Hours: 30hrs

#### Key Features:

- One to One Training
- Online Training
- > Fastrack & Normal Track
- > Resume Modification
- Mock Interviews
- ➤ Video Tutorials
- Materials
- > Real Time Projects
- ➤ Virtual Live Experience
- > Preparing for Certification