

# DELL TECHNOLOGIES VCF 4.2 ON VXRAIL ADMINISTRATION

Course Code: 833000

Learn an administrator to manage a VMware Cloud Foundation (VCF) on VxRail solution.

This course enables an administrator to manage a VMware Cloud Foundation (VCF) on VxRail solution. It covers reviewing the management interfaces, managing users, roles, and passwords, managing certificates and licenses, managing the workload domains, deploying NSX-T Edge cluster, performing lifecycle management, configuring multi-instance management, and exploring troubleshooting and support options. Hands on labs and simulated interactions are included in the course to provide a walkthrough of the key steps involved in the administration of a VCF on VxRail solution.

## What You'll Learn

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

- Describe the VCF on VxRail architecture
- Manage user accounts, roles and, passwords
- Manage VCF on VxRail components certificates and licenses
- Add and remove Tenant workload hosts
- Explore Developer Center
- Deploy NSX-T Edge cluster
- Describe VCF multi-instance management
- Perform lifecycle management
- Describe the prerequisites and the process to deploy vRealize Suite

## Who Needs to Attend

This course is intended for customers, partners and Dell Technologies employees who are responsible for administering and managing a VCF on VxRail solution

## Prerequisites

This course assumes that the students are familiar with:

- Basic understanding of VMware Cloud Foundation
- Technical proficiency with VMware ESXi, vSphere and NSX-T components and user interfaces

- Experience of administering VxRail systems

The following training is recommended:

- VxRail 7.0.XXX Administration
- VCF on VxRail Concepts
- VMware Cloud Foundation Fundamentals

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VIRTUAL CLASSROOM LIVE

\$2,200 USD

2 Day

## Virtual Classroom Live Outline

### **Describe the VCF on VxRail Solution**

- VCF Introduction and Benefits
- VCF Use Cases
- VCF on VxRail Architecture Models
- VCF on VxRail Deployment Options
- External Storage for VCF on VxRail
- vSAN HCI Mesh for Virtual Infrastructure (VI) Workload Domains (WLD)
- VCF on VxRail Hardware and Software Options
- Helpful Resources

### **Navigate the Newly Deployed VCF on VxRail Solution and Describe the Components**

- VCF on VxRail Lab Use Case
- User Interfaces
- vSphere Client, VxRail Manager Plugin, SDDC Manager
- Using the Right UI for an Administrative Tasks

### **Configure Active Directory as an Identity Source**

- vCenter Single Sign-On
- Supported External Identity Sources
- Manage User Accounts, Roles and Passwords
- SDDC Manager Roles
- SDDC Manager Accounts

### **Perform Certificate Management**

- Certificate Management
- Configure Certificate Authority (CA) in SDDC Manager
- Remove Old or Unused Certificates

### **Manage Licenses in VCF on VxRail**

- Available Licenses for VCF on VxRail
- Using Licenses

### **Manage Workload Domains**

- Add Host to a Tenant Workload Domain
- Rename a Tenant Workload Domain
- Remove a VxRail Host from a Cluster in a Workload Domain
- Simulation: Use VxRail Plugin to Add a Node to the Tenant Workload Domain cluster
- Simulation: Use SDDC Manager to Add the New Node to the Tenant Workload Domain

### **Explore Developer Center**

- Developer Center Interface
- VCF on VxRail API Considerations
- VCF APIs vs. VxRail API

### **Deploy NSX-T Edge Clusters NSX-T Edge Clusters with VCF on VxRail**

- NSX-T Edge Cluster Deployment Automation
- NSX-T Edge Cluster Deployment Prerequisites

### **Perform Lifecycle Management**

- Lifecycle Management
- Upgrading Workload Domains
- Skip-Level Upgrade

### **Virtual Classroom Live Labs**

- Lab: Use vSphere Client to Explore the Newly Deployed VCF on VxRail solution
- Lab: Explore the SDDC Manager UI
- Lab: Join WLDs vCenters to Active Directory (AD)
- Lab: Add AD as the Default Identity Source
- Lab: Create an Administrative User and Group in AD
- Lab: Review Existing AD Groups
- Lab: Assign SDDC Manager Roles
- Lab: Unassign an SDDC Manager Role
- Lab: Verify SDDC Manager Roles
- Lab: Create and Add a Microsoft CA Template
- Lab: Configure Internet Information Services (IIS) to Allow Access to the CA
- Lab: Configure Access to CA in SDDC Manager
- Lab: Generate a Certificate Signing Request
- Lab: Generate and Install a Signed Certificate
- Lab: Explore Developer Center
- Lab: Create an SDDC Manager Service Account
- Lab: Explore Available Licenses in the SDDC Manager UI
- Lab: Review Downloaded Bundles and the Current Version of SDDC Manager
- Lab: Install Update Bundles

- Lab: Remove a host from the Tenant Workload Domain
- Lab: Deploy an NSX-T Edge Cluster on the VI WLD using the Postman API Tool.

Aug 4 - 5, 2025 | 9:00 AM - 5:00 PM EST

Oct 16 - 17, 2025 | 9:00 AM - 5:00 PM CDT

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Date created: 7/30/2025 10:25:56 AM

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