

## Dell VxRail Deploy version 2

### Certification Description



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#### Certification Overview

Hyperconverged solutions simplify IT operations while reducing operational costs. A VxRail cluster allows businesses to start small when integrating into their datacenters and grown seamlessly. An understanding of the requirements and tasks to go from nodes in a box to a working cluster is a requirement for any individual deploying VxRail clusters. Individuals will use the certification to validate their knowledge to support implementation activities.

#### Certification Requirements

To successfully complete this certification, a candidate must:

1. Have a sufficient knowledgebase/skill set through hands-on product experience and/or by consuming the recommended training.
2. Pass the Dell VxRail Deploy Exam.

Note: These details reflect certification requirements as of May 10, 2024.

The Proven Professional Program periodically updates Certifications to reflect technical currency and relevance. Please check the Proven Professional website regularly for the latest information.

**Dell Technologies Partners:** Achieving a certification validates capability; however, it does not imply authorization to deliver services. Services Competencies provide partners with the ability to deliver services under their own brand or co-deliver with Dell Technologies. Tiered partners are eligible to obtain Services Competencies upon completing the specific requirements outlined in the [Services Competencies Matrix](#). Only partners that have met these requirements should be delivering their own services in lieu of Dell Technologies Services.

## Exam Overview

This exam is a qualifying exam for the **Dell VxRail Deploy v2 Certification**.

This exam focuses on the overall product, hardware, and software requirements to implement a basic VxRail cluster. This includes solution planning, using the VxRail Configuration Portal, hardware installation, environment validation, software implementation, solution validation, post-deployment day 1 tasks, scale out and up activities, REST API, and common issues and troubleshooting of events.

## Products

Products likely to be referred to on this exam include but are not limited to:

- Dell VxRail 8.0.XXX
- Dell PowerEdge Servers
- VMware vSphere
- VMware vSAN
- VMware vCenter

## Exam Topics

Topics likely to be covered on this exam include:

### VxRail Physical Components (4%)

- Describe VxRail cluster architecture
- Describe VxRail rack requirements

### VxRail Deployment Planning (12%)

- Describe vCenter server
- Describe physical networking components
- Explain vSphere Distributed Switch usage
- Describe DNS options
- Identify node discovery options
- Describe vSAN options

### Using VxRail Configuration Tools (4%)

- Create VxRail projects and configurations
- Review completed configuration for implementation

### VxRail Hardware Installation and Initialization (8%)

- Describe VxRail system installation procedures
- Installing and cabling VxRail cluster hardware
- Configure VxRail node iDRAC and system time

### VxRail Network Environment Requirements and Initialization (8%)

- Configure VxRail network settings
- Validate the network environment manually

### Deploying the VxRail Cluster (24%)

- Perform a VxRail initialization with a VxRail managed vCenter Server
- Perform a VxRail initialization with a customer managed vCenter Server
- Perform a VxRail initialization with vSAN ESA

### VxRail Post-Deployment procedures (18%)

- Perform post-installation validation of the VxRail cluster
- Configure required vSAN settings post-deployment
- Configure native backups

## VxRail Cluster Upgrade and Expansion (10%)

- Describe VxRail upgrade requirements and activities
- Describe VxRail scale-out best practices
- Describe the cluster expansion process

## VxRail Troubleshooting (6%)

- Perform VxRail log collections
- Using VxRail troubleshooting resources
- Troubleshooting using vSAN tools

## VxRail REST API (6%)

- Identify REST API functionality available in VxRail
- Use VxRail REST APIs to perform tasks

The percentages after each topic above reflects the approximate distribution of the total question set across the exam.

### Duration

120 minutes

### Recommended Training

The following training is recommended for candidates preparing to take this exam.

#### Option 1: Please complete the following courses

Course Title	Course Number	Modality	Available
VxRail 8.0.XXX Concepts	ESCPXD05504	On Demand	7/10/2023
VxRail 8.0 XXX Feature - REST API	ESCPXD05505	On Demand	8/23/2023

#### Option 2: Please complete one of the following course groups:

Course Title	Course Number	Modality	Available
VxRail Installation and Implementation	ES524CPX00074	Classroom/Virtual Classroom	2/13/2024
	<b>OR</b>		
VxRail 8.0.XXX Planning	ESCPXD05508	On Demand	10/4/2023
VxRail 8.0.XXX Installation	ESCPXD05509	On Demand	10/30/2023
VxRail 8.0.XXX Implementation	ESCPXD05510	On Demand	2/8/2024
VxRail 8.0.XXX Implementation: On Demand Lab	ESCPXD05512	On Demand	2/8/2024

Note: These exam description details reflect contents as of May 10, 2024.

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