

Specialist – Implementation Engineer, VxRail Version 2.0

Certification Description



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. Individuals (internals or partners) supporting VxRail customers are required to understand and follow the implementation services in addition to understanding the extended VxRail environment. Individuals will use the certification to validate their knowledge to support implementation activities.

Certification Requirements

To complete the requirements for this certification you must:

1. Achieve one of the following Associate level certifications*
 - Associate – Converged Systems and Hybrid Cloud Version 2.0
 - Associate – Cloud Infrastructure and Services Version 3.0
 - Associate – Cloud Infrastructure and Services Version 4.0
2. Pass the following Specialist exam on or after September 30, 2022:
 - [DES-6322 Specialist – Implementation Engineer, VxRail Exam](#)

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Note: These details reflect certification requirements as of September 30, 2022.

*The Proven Professional Program periodically updates certification requirements. Please check the [Proven Professional CertTracker](#) website regularly for the latest information and for other options to meet the Associate level requirement.

Dell Technologies Partners: Achieving a certification validates capability; however, it does not imply authorization to deliver services. Services Delivery 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 delivery competencies upon completing the specific requirements outlined in the [enablement matrix](#). Only partners that have met these requirements should be delivering their own services in lieu of Dell Technologies Services.

DES-6322 Specialist – Implementation Engineer, VxRail Exam

Exam Description



Part 1:

Duration

90 Minutes
(~54 Questions)

Pass Score

63%

Part 2:

Duration

30 Minutes
(~6 Simulations)

Pass Score

66%

A passing score is required on **both** parts of this exam.

Practice Test

Exam [DES-6322](#)

[Simulator Demo](#)

Dell Technologies

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Overview

This exam is a qualifying exam for the **Specialist – Implementation Engineer, VxRail (DCS-IE)** track.

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 changes, REST API, common issues, and troubleshooting of events.

Dell Technologies provides free practice tests to assess your knowledge in preparation for the exam. Practice tests allow you to become familiar with the topics and question types you will find on the proctored exam. Your results on a practice test offer one indication of how prepared you are for the proctored exam and can highlight topics on which you need to study and train further. A passing score on the practice test does not guarantee a passing score on the certification exam.

Products

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

- Dell EMC VxRail 7.0.XXX
- Dell EMC PowerEdge Servers
- VMware vSphere
- VMware vSAN
- VMware vCenter

Exam Topics

Topics likely to be covered on this exam include:

Introduction to VxRail (8%)

- Describe VxRail use cases, architecture, models, and software stack
- Describe VxRail management, licensing, and data protection options

VxRail Deployment Planning (7%)

- Describe vCenter server options
- Describe physical switches, NIC configurations, and DNS options
- Explain vSphere Distributed Switch features and usage
- Identify node discovery options

Using VxRail Configuration Tools (7%)

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

VxRail Hardware Installation and Initialization (8%)

- Describe VxRail system racking and cabling procedures
- Configure VxRail Node Idrac and System Time

VxRail Network Environment Requirements and Initialization (13%)

- Configure VxRail network settings
- Validate the network environment manually
- Validate the network environment using the Network Validation Tool

Deploying the VxRail Cluster (13%)

- Describe how to generate the implementation procedure
- Perform a VxRail initialization with an internal vCenter Server
- Perform a VxRail initialization with an external vCenter Server

VxRail Post-Deployment procedures (18%)

- Perform post-installation validation of the VxRail cluster
- Describe how to implement licenses for a VxRail cluster
- Explain the vSAN configuration settings and configure required vSAN setting post-deployment
- Configure native backups

VxRail Cluster Upgrade and Expansion (8%)

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

VxRail Troubleshooting (10%)

- Perform VxRail log collections
- Describe VxRail troubleshooting resources and their uses
- Troubleshooting using vSAN tools

VxRail REST API (8%)

- Identify REST API functionality available in VxRail and use VxRail API to perform tasks

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

Recommended Training

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

Please complete the following course

Course Title	Course Number	Mode	Available as of
VxRail 7.0.XXX Concepts	ES101CPX02007	On Demand	3/4/2022



Please complete the following course

Course Title	Course Number	Mode	Available as of
VxRail 7.0.XXX Feature - REST API	ES102CPX02009	On Demand	4/23/2021

Please complete one of the following courses

Course Title	Course Number	Mode	Available as of
VxRail Installation and Implementation	ES524CPX00074	Classroom/Virtual Classroom	8/12/2022
VxRail 7.0.XXX Installation and Implementation	ESCPXD04468	On Demand	8/9/2022

Note: These exam description details reflect contents as of September 30, 2022.

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

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