

Specialist – Implementation Engineer, VxRail Version 2.0

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. 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
2. Pass the following Specialist exam on or after June 11, 2021:
 - [DES-6322 Specialist – Implementation Engineer, VxRail Exam](#)

Note: These details reflect certification requirements as of **June 11, 2021**.

*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.

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In North America
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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

67%

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

Practice Test

Exam [DES-6322](#)

[Simulator Demo](#)

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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 VxRail cluster. This includes an introduction to VxRail, hardware installation, pre-deployment tasks, environment validation, software implementation, post-deployment procedures, product scale-out options, REST API functionality, and 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 Pre-deployment Tasks and Hardware Installation (12%)

- Describe VxRail pre-installation requirements and use of the configuration tools
- Describe VxRail system racking and cabling procedures
- Describe system power up/down and setting management VLAN procedures

VxRail Network Environment Requirements and Initialization (10%)

- Validate the network environment manually
- Validate the network environment using the Network Validation Tool

- Describe ToR network requirements and settings

VxRail System Initialization (17%)

- Describe considerations for deploying Embedded and External vCenter configurations
- Explain differences in the VxRail implementation procedures for various configuration options
- Perform a VxRail initialization using the VxRail First Run Wizard
- Explain requirements for 2-node implementations

VxRail Post-deployment Procedures (20%)

- Perform post-installation validation of the VxRail Cluster Configure support account, SRS, and perform software upgrades
- Describe how to Implement licenses for a VxRail cluster
- Explain the vSAN configuration settings and configure required vSAN settings post deployment
- Configure support account and SRS
- Complete a Test Plan and generate a VxRail As-Built Configuration report

VxRail Cluster Expansion and Stretched Clusters (13%)

- Describe VxRail Upgrade requirements and activities
- Describe VxRail appliance scale-out best practices and the cluster expansion process
- Describe the VxRail Stretched Cluster architecture, features, and requirements

VxRail Troubleshooting (13%)

- Perform VxRail log collections
- Describe VxRail troubleshooting resources and their uses
- Troubleshooting using vSAN tools
- Perform VxRail RASR factory image upgrade and reset procedures

VxRail Appliance REST API (7%)

- 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 one of the following courses

Course Title	Course Number	Mode	Available as of
VxRail 7.0.XXX Concepts	ES101CPX02007	On Demand	09/11/2020

Please complete the following course



Course Title	Course Number	Mode	Available as of
VxRail 7.0.XXX Feature - REST API	ES102CPX02009	On Demand	04/23/2021

Please complete one of the following courses

Course Title	Course Number	Mode	Available as of
VxRail Installation and Implementation	ES524CPX00074	Classroom/Virtual Classroom	3/5/2021
VxRail 7.0.XXX Installation and Implementation	ES502CPX02031	On Demand	02/22/2021

Note: These exam description details reflect contents as of **June 11, 2021**.

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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