



Announcing DES-6321 Specialist – Implementation Engineer, VxRail Appliance Exam Retirement

The **DES-6321 exam** that supports the Specialist – Implementation Engineer, VxRail Appliance Version 1.0 certification, **will retire on June 10, 2021**. This exam will be replaced by the new **DES-6322** aligning to the 'Specialist – Implementation Engineer, VxRail Version 2.0' certification **available as of June 11, 2021**. This will include a revision of the Specialist-level **credential version from 1.0 to 2.0**.

The DES-6322 exam and certification cover the overall product, hardware, and software requirements to implement a VxRail cluster.

How will this impact me?

If you have taken the *VxRail Appliance Installation and Implementation* course before 3/5/21, please plan to take the **DES-6321** exam before **June 11, 2021**.

- [View the DES-6321 exam description and practice test »](#)
- [View the DES-6322 exam description and practice test »](#) (*Exam open for pre-registration now*)

Your credential 'Specialist – Implementation Engineer, VxRail Version 1.0' once achieved, will not expire. As a certified Dell Technologies Proven Professional, you will continue to gain access to exclusive program benefits.

Specialist – Implementation Engineer, VxRail Appliance Version 1.0

Certification Description



[Proven Professional Website](#)

[Education Services Community](#)

Certification Overview

Hyperconverged solutions simplify IT operations while reducing operational costs. The VxRail Appliance 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 1.0
 - 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 December 20, 2019:
 - [DES-6321 Specialist – Implementation Engineer, VxRail Appliance Exam](#)

Note: These details reflect certification requirements as of December 20, 2019.

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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DES-6321 Specialist – Implementation Engineer, VxRail Appliance Exam

Exam Description



Duration

90 Minutes
(60 Questions)

Pass Score: 63

Practice Test
Exam [DES-6321](#)

Overview

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

This exam focuses on the overall product and hardware and software requirements to implement a VxRail cluster. This includes a CI/HCI benefits, hardware installation, environment validation, software implementation, product scale-out options, REST API, 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 Appliance 4.7
- Dell EMC PowerEdge Servers
- VMware vSphere 6.7
- VMware vSAN 6.7
- VMware vCenter 6.7

Exam Topics

Topics likely to be covered on this exam include:

Introduction to VxRail (10%)

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

VxRail Pre-deployment Tasks and Validation (15%)

- Describe VxRail pre-installation requirements and use of the Pre-Engagement Questionnaire (PEQ)
- Describe ToR network requirements and settings
- Validate the network environment manually and with the Network Validation Tool

VxRail Hardware Installation (10%)

- Describe VxRail system racking and cabling procedures
- Describe system power up/down and setting management VLAN procedures

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VxRail System Initialization (18%)

- 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
- List the requirements and considerations for VxRail deployments with Dell SmartFabric Services switches

VxRail Post-deployment Procedures (18%)

- Configure support account, SRS, and perform software upgrades
- Explain the vSAN configuration settings and configure required vSAN settings post deployment
- Perform post-installation validation of the VxRail Cluster
- Generate a VxRail As-Built Configuration report

VxRail Cluster Expansion and Stretched Clusters (12%)

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

VxRail Troubleshooting (12%)

- Describe VxRail troubleshooting procedures
- Perform VxRail log collections
- Perform VxRail RASR factory image upgrade and reset procedures

VxRail Appliance REST API (5%)

- 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 Appliance 4.7.XXX Concepts - On Demand Course	ES131CPX00556	On Demand	10/10/2019

Please complete the following course

Course Title	Course Number	Mode	Available as of
VxRail Appliance 4.7.XXX Feature: REST API - On Demand Course	ES132CPX00561	On Demand	3/1/2019

Please complete one of the following courses

Course Title	Course Number	Mode	Available as of
VxRail Appliance 4.7.XXX Installation and Implementation - On Demand Course	ES533CPX00557	On Demand	7/12/19

Note: These exam description details reflect contents as of **December 20, 2019**.

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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