

## 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
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 Inc.**  
Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America  
1-866-464-7381

## DES-6321 Specialist – Implementation Engineer, VxRail Appliance Exam

### Exam Description



#### Duration

90 Minutes  
(60 Questions)

**Pass Score: 63**

**Practice Test**  
Exam [DES-6321](#)

**Dell Inc.**  
Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America  
1-866-464-7381

#### 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

##### 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 course**

Course Title	Course Number	Mode	Available as of
VxRail Appliance 4.7.XXX Concepts - On Demand Course	ES131CPX00556	On Demand	10/10/2019
VxRail Appliance 4.7.XXX Concepts - On Demand Course - CN	ES131CPX00556-CN	On Demand	11/14/2019
VxRail Appliance 4.7.XXX Concepts - On Demand Course - JP	ES131CPX00556-JP	On Demand	11/14/2019
VxRail Appliance 4.7.XXX Concepts - On Demand Course - KR	ES131CPX00556-KR	On Demand	11/14/2019

**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 Installation and Implementation - Classroom	ES514CPX00073	Classroom	12/6/2019
VxRail Appliance Installation and Implementation - Virtual Classroom	ES524CPX00074	Virtual Classroom	12/6/2019
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.

Copyright © 2019 Dell Inc. or its subsidiaries. All Rights Reserved. Dell Technologies, Dell, EMC, Dell EMC and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners. Published in the USA [12/19] [Exam Description]

Dell Technologies believes the information in this document is accurate as of its publication date. The information is subject to change without notice.