



# Announcing DES-6122 Specialist - Implementation Engineer, VxBlock Version 2.0 Retirement

The Specialist - Implementation Engineer, VxBlock Version 2.0 certification (DES-6122) will be retired on February 2, 2024 and transition from a Certification Exam to an Achievement Assessment. The new Achievement credential is **Dell VxBlock Deploy** (D-VXB-DY-A-24)

This Achievement credential is focused on knowledge of key concepts, strategies and solutions.

## *How will this impact you?*

If you have already taken the aligned training or previously attempted the exam for the Specialist - Implementation Engineer, VxBlock Version 2.0 certification, plan to take the DES-6122 exam by **January 31, 2024**.

- [View the DES-6122 exam description and practice test »](#) Once achieved, your credential, Specialist - Implementation Engineer, VxBlock, will not expire.

If you're just beginning your credential journey after February 3, 2024, please choose this Assessment that aligns closest with the knowledge you're looking to develop:

- **Dell VxBlock Deploy** (D-VXB-DY-A-24)

## Specialist - Implementation Engineer, VxBlock Version 2.0

### Certification Description



[Proven Professional Website](#)

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#### Certification Overview

This exam certifies that the successful candidate has required core knowledge of technical concepts related to deploying and implementing Dell EMC VxBlock Systems.

#### 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
  - Associate – Cloud Infrastructure and Services Version 4.0
2. Pass the following Implementation Exam  
[DES-6122 Specialist - Implementation Engineer, VxBlock Exam](#)

Note: These details reflect certification requirements as of January 31, 2023.

\*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-6122 Specialist - Implementation Engineer VxBlock Exam

### Exam Description

#### Overview

This exam is a qualifying exam for the **Specialist - Implementation Engineer, VxBlock** track.

This exam focuses on the VxBlock 1000 hardware and software requirements to deploy and implement a VxBlock. This includes benefits, hardware installation, environment validation, software implementation, product scale-out options, and common issues and troubleshooting of events as well as a basic understanding of networking in a converged infrastructure environment.

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.



#### 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-6122](#)

#### [Simulator Demo](#)

#### Dell Technologies

1 Dell Way  
Round Rock Texas 78682

#### Products

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

- VxBlock 1000 and related underlying technologies: Storage, Compute, Networking and Virtualization

#### Exam Topics

Topics likely to be covered on this exam include:

##### VxBlock Hardware Installation (14.3%)

- Describe the VxBlock System site installation process
- Identify key information in VxBlock System documentation
- Power on and connect the VxBlock System to the customer network
- Troubleshoot the installation

##### VxBlock 1000 Implementation (19.0%)

- Locate the validation procedures and support documentation
- Connect the VxBlock System to the customer network
- Validate a VxBlock 1000 installation using the LCS and Test Plan
- Describe how to perform knowledge transfers

##### VxBlock Hardware Expansion Implementation (19.0%)

- Describe requirements and considerations for VxBlock hardware expansion
- Locate required documentation and other resources supporting expansion
- Describe the process used to expand the VxBlock system
- Validate a VxBlock 1000 expansion

## **RCM Upgrades on VxBlock (19.0%)**

- Describe the phases of an RCM upgrade and responsible parties
- Identify tools used to plan and execute an RCM upgrade
- Describe how to perform an RCM upgrade using the provided documentation

## **Software Defined Networking (SDN) Concepts and CI/HCI Considerations (7.9%)**

- Discuss the elements that make up an SDN
- Explain VMware NSX components, their functions and benefits
- Explain Cisco ACI components, their functions and benefits
- Identify considerations for implementing NSX and ACI on CI systems
- Explain the architectural differences between VMware NSX and Cisco ACI

## **Cisco ACI Integration with DELL EMC CI Systems (4.8%)**

- Identify ACI use cases, key features, and related hardware
- Explain the ACI Logical Model
- Describe ACI integration with Dell EMC VxBlock systems

## **VMware NSX Integration with DELL EMC CI Systems (4.8%)**

- Discuss specific use cases for VMware NSX
- Describe how VMware NSX is integrated into Dell EMC CI infrastructure
- Explain the procedure for configuring a logical switch using VMware NSX

## **CPSD Technology Extension for Isilon (4.8%)**

- Describe the nature and use of the CPSD Technology Extension, touching on benefits
- Describe hardware components, with an emphasis on the newly added Isilon storage system

## **Extending Networks in the Datacenter (6.3%)**

- Discuss network virtualization as it relates to a Converged Infrastructure
- Explain the VXLAN Overlay Network architecture and how it extends IP addressing to a virtual environment on Converged Infrastructure
- Explain various transport layer protocols and how they are used for communications in a Converged Infrastructure environment
- Discuss network services that provide connectivity, authentication, presentation, and communications to Converged Infrastructure

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 II of the following courses

Course Title	Course Number	Mode	Available
VxBlock Hardware Installation	VCE-7WN-VXBHWINSTL	Self-paced eLearning	6/1/19
VxBlock 1000 Implementation	ES532CPXVAL	Self-paced eLearning	6/1/19
VxBlock Hardware Expansion Implementation	ES532CPXHEX	Self-paced eLearning	6/1/19
Performing an RCM Upgrade on a VxBlock	ES532CPXRCMU	Self-paced eLearning	6/1/19
Software Defined Networking Concepts and CI/HCI Considerations	VCE-1WN-SDNCC	Self-paced eLearning	6/1/19
Technical Comparison of Cisco ACI and VMware NSX	VCE-1WN-NSXACI	Self-paced eLearning	6/1/19
Cisco ACI Integration with DELL EMC CI and HCI Systems	VCE-1WN-ACIINTG	Self-paced eLearning	6/1/19
VMware NSX Integration with DELL EMC CI and HCI Systems	VCE-1WN-NSXINT	Self-paced eLearning	6/1/19
Technology Extension for Isilon Concepts	VCE-8WN-VCETECHEXTITO	Self-paced eLearning	6/1/19
Extending Networks in the Datacenter; Protocols, Services, and Interconnections	VCE-1WN-DCPROSERINTRCN	Self-paced eLearning	6/1/19
Converged Infrastructure Data Center Network Connectivity Concepts	VCE-1WN-DCNETCON	Self-paced eLearning	6/1/19

Note: These exam description details reflect contents as of January 31, 2023.

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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