Dell VxBlock Deploy

Achievement Description

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Achievement Overview

This assessment validates 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. Pass the following Assessment
   Dell VxBlock Deploy

Note: These details reflect assessment requirements as of February 3,, 2024.

*The Proven Professional Program periodically updates requirements. Please check the Proven Professional CertTracker website regularly for the latest information.

Dell Technologies
1 Dell Way
Round Rock Texas 78682

Dell VxBlock Deploy D-VXB-DY-A-24

Assessment Description

Duration
90 Minutes
(~54 Questions)

Pass Score
63%

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Dell Technologies
1 Dell Way
Round Rock Texas 78682

Overview

This Assessment 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.

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

Assessment Topics

Topics likely to be covered on this assessment 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 assessment.

Recommended Training

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

Please complete all 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.