Specialist - Implementation Engineer, VxBlock Version 2.0

Certification Description

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

2. Pass the following Implementation Exam
   DES-6122 Specialist - Implementation Engineer, VxBlock Exam

Note: These details reflect certification requirements as of November 15, 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.
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.

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 Installation Validation (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 (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

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

Dell Inc.
Hopkinton
Massachusetts
01748-9103
1-508-435-1000
In North America
1-866-464-7381
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 all of the following courses

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Number</th>
<th>Mode</th>
<th>Available</th>
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<tbody>
<tr>
<td>VxBlock Hardware Installation</td>
<td>VCE-7WN-VXBHWINSTL</td>
<td>Self-paced eLearning</td>
<td>6/1/19</td>
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<tr>
<td>Validating the VxBlock 1000</td>
<td>ES532CPXVAL</td>
<td>Self-paced eLearning</td>
<td>6/1/19</td>
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<tr>
<td>VxBlock Hardware Expansion Implementation</td>
<td>ES532CPXHEX</td>
<td>Self-paced eLearning</td>
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<td>Performing an RCM Upgrade on a VxBlock</td>
<td>ES532CPXRCMU</td>
<td>Self-paced eLearning</td>
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<tr>
<td>Software Defined Networking Concepts and CI/HCI Considerations</td>
<td>VCE-1WN-SDNCC</td>
<td>Self-paced eLearning</td>
<td>6/1/19</td>
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<td>Technical Comparison of Cisco ACI and VMware NSX</td>
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<td>Cisco ACI Integration with DELL EMC CI and HCI Systems</td>
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<td>CPSD Technology Extension for Isilon Technical Overview</td>
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<td>VCE-1WN-DCNETCON</td>
<td>Self-paced eLearning</td>
<td>6/1/19</td>
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Note: These exam description details reflect contents as of **November 15, 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.