Dell Technologies

Dell XtremIO Design Achievement
Achievement Description

Proven Professional

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Overview
This training and assessment validate professional knowledge related to position, demonstrate, and architect solutions using XtremIO and X2 storage systems. The assessment is supported by a core curriculum describing the critical components of the XtremIO and X2 systems, their features and best practices to design solutions for customers' environments.

Assessment Requirements
To complete the requirements for this certification you must:

- Pass the following Assessment on or after February 3. 2024

  [XtremIO Design](#)

*The Proven Professional Program periodically updates certification requirements. Please check the [Proven Professional CertTracker](#) website regularly for the latest information.

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

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Dell XtremIO Design D-XTR-DS-A-24
Assessment Description

Duration
90 Minutes
(~60 Questions)

Pass Score: 63

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Overview

This assessment focuses on the knowledge needed for the positioning, designing, and demonstrating of XtremIO and X2 solutions in a customer environment. This includes a detailed understanding of XtremIO families of product features, functionality, use cases, and configurations. It also includes designing an XtremIO and X2 storage solutions for applications that require high performance and high availability.

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

- XtremIO and X2, XIO/XMS v6.0. v6.0.1
- RecoverPoint
- VPLEX
- WMware ESXi

Exam Topics
Topics likely to be covered on this exam include:

XtremIO and X2 Operations and Management (20%)
- Identify and describe XtremIO X2 hardware and software components
- Describe architectural differences between XtremIO and X2
- Describe the XtremIO X2 Management Server
- Manage XtremIO X2 with the GUI and with the CLI
- Data in NVRAM - protection, operation
- Describe multi-cluster XtremIO X2 management

Host Configurations in XtremIO and X2 Environments (15%)
- Describe common host configurations; such as HBAs, multipathing, etc.
- Describe the unique configuration associated with the ESXi operating system
- Describe other OS configurations such as Microsoft Windows, Linux, Sun Solaris, IBM AIX, and HP-UX

XtremIO X2 Data Replication (7%)
- Describe the operation and management of XtremIO X2 snapshots
- Describe the operation and management of RecoverPoint for local and remote replication with XtremIO X2

XtremIO X2 Optimization and Performance Management (6%)
- Performance overview, XtremIO X2 architecture, and describe the environmental/host tools as well as the available benchmarking tools
- List the components of Technical Support page, matrixes, documentation, E-Lab and other pieces of XtremIO Support structure
- Explain how an XtremIO X2 Proof of Concept (PoC) is managed

Positioning XtremIO and X2 (12%)
- Describe the benefits of All-Flash arrays and XtremIO
- Describe usage of XMS Simulator - what to demo, when to use it
- Explain the benefits of post-processing operations
- Demonstrate the value of XDP – performance
- Describe the XtremIO X2 features such as deduplication, compression, encryption, etc.

Data Gathering and Analysis (13%)
- Identify and capture the customer requirements and document the environment
- Identify and describe the data gathering tools and practices
- Identify the data analysis tools and how they are used to analyze the data
- Position an XtremIO X2 solution to meet the customer's requirements

Designing an XtremIO X2 Solution (27%)
- Performance Design Considerations
- Design an XtremIO X2 solution to include features such as deduplication, compression, encryption, etc.; including replication
- Design an XtremIO X2 solution for VDI environments
- Design an XtremIO X2 solution for database environments
- Design for scalability
- Describe the Cloud and Platform 3 (P3) design considerations in an XtremIO X2 solution

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

Course Title	Course Number	Mode	Available
XtremIO Fundamentals	MR-1WP-XIOFUND	On-Demand Course	6/14/16
XtremIO X2 Fundamentals	MR-1WP-XIO2FUND	On-Demand Course	8/16/17

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Please complete all of the following courses

Course Title	Course Number	Mode	Available
XtremIO Infrastructure Solutions	MR-7TP-XIO2INFSOL	On-Demand Video	6/12/18
XtremIO Solutions Design	MR-7TP-XIO2SD	On-Demand Video	6/12/18
XtremIO and X2 Integration with Oracle Best Practices	MR-1WN-XIOINBPORC	On-Demand Course	1/16/18
XtremIO and X2 Integration with VDI Best Practices	MR-1WN-XIOVDIBP	On-Demand Course	1/16/18

Note: These exam description details reflect contents as of **February 3, 2024**.

The Proven Professional Program periodically updates exams to reflect technical currency and relevance. Please check the Proven Professional website regularly for the latest information.