DELLTechnologies

Dell XtremIO Maintenance

Achievement Description

[Dell Technologies Proven Professional]

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Overview

This achievement focuses on the knowledge related to installing, maintaining, expanding and upgrading second generation of XtremIO products called X2. This includes physical installation, initial configuration, verifying health status, FRU replacement procedures, and Non-disruptive Upgrade procedures.

Assessment Requirements

To complete the requirements for this certification you must:

1. Pass the following assessment on or after February 3, 2024:

   [XtremIO Maintenance](#)

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.

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Dell XtremIO Maintenance D-XTR-MN-A-24

Assessment Description

Overview

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exam.

Products

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

- XtremIO and X2 6.2

Exam Topics

Topics likely to be covered on this exam include:

Overview of XtremIO and X2 Features (8.1%)
- Compare and contrast capabilities of XtremIO and X2
- Compare and contrast XtremIO and X2 GUIs, focusing on updates for X2
- Identify XttremIO and X2 models

XtremIO and X2 Hardware Fundaments (13.5%)
- Describe hardware designs
- Identify IB switch options
- Describe BBU options including SuperCap
- Describe DAE capacities
- XtremIO X2 configurations and port management

XtremIO and X2 Installation (21.6%)
- Installation resource requirements
- Component racking – single rack
- Dispersed cluster requirements and component racking
- Component cabling – single X-Brick cluster
- Multi X-Brick cluster component cabling, including space between IB switches
- Component cabling for site facilities
- Power and Storage Controller IP assignment

XtremIO and X2 Initial Configuration (16.2%)
- XtremIO management Server (XMS) deployment
- XMS support and deployment options and related warnings and precautions
- Easy-CLI install options
- XtremApp installation
- Cluster installation and verification
- ESRS and ESRS VE configuration

XtremIO and X2 Maintenance (27%)
- Resource identification
- Power procedures
- Determining cluster health state and failure tolerances for components
- Cluster IP address modification
- Storage Controller FRU
- DAE FRU
- BBU FRU
- InfiniBand FRU
- Technician Advisor – installation and operations, including running HealthCheck

XtremIO Online Cluster Expansion (13.4%)
- Online cluster expansion resources
- Preparing for online cluster expansion, including prerequisites
- Online cluster expansion process – single X-Brick to dual X-Brick
- Online cluster expansion process – multi X-Brick to multi X-Brick

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.

All audiences:
Please complete all of the following courses

Course Title	Course Number	Mode	Available
XtremIO Fundamentals	MR-1WP-XIOFUND	eLearning	4/4/16
XtremIO X2 Fundamentals	MR-1WP-XIO2FUND	eLearning	5/2/19
XtremIO X2 Concepts	ES132STG00573	eLearning	5/02/19
XtremIO X2 Architecture	ES132STG00572	eLearning	5/02/19
XtremIO X2 Features	ES132STG00574	eLearning	5/02/19
XtremIO X2 Integration	ES132STG00575	eLearning	5/02/19
XtremIO X2 Administration	ES132STG00576	eLearning	5/02/19
XtremIO Hardware Fundamentals	MR-7WP-XIOHWFUN	eLearning	4/4/16
XtremIO X2 Hardware Concepts and Features	MR-7WP-XIO2HWFUN	eLearning	5/02/19
XtremIO Installation	MR-7WP-XIOINSTL	eLearning	4/4/16
XtremIO X2 Installation	MR-7WP-XIO2INSTL	eLearning	8/30/17

XtremIO Initial Configuration	MR-7WP-XIOINITC	eLearning	4/4/16
XtremIO X2 Initial Configuration	MR-7WN-XIO2MAINT	eLearning	8/30/17
XtremIO Maintenance	MR-7WN-XIOMAINT	eLearning	4/4/16
XtremIO X2 Maintenance	MR-7WN-XIO2MAINT	eLearning	8/30/17
XtremIO Online Cluster Expansion	MR-1WP-XTRMOCE	eLearning	5/23/16

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