DELLEMC

Storage Administrator, VMAX All Flash and VMAX3 Solutions Specialist Version 2.0 (EMCSA)
Certification Description

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Certification Overview

This certification benefits any professional implementing and managing VMAX All Flash and VMAX3 storage arrays in open systems environments. The certification focuses on configuration and business continuity management of VMAX All Flash and VMAX3 storage arrays. Non-disruptive migration (NDM) to VMAX All Flash and VMAX3 arrays is also covered. Managing configuration changes, TimeFinder SnapVX, SRDF, and NDM using SYMCLI and Unisphere for VMAX is assessed.

Certification Requirements

To complete the requirements for this certification you must:

1. Achieve one of the following Associate level certifications:
   - Information Storage Associate (EMCISA)
   - Information Storage Associate Version 2 (EMCISA)
   - Information Storage Associate Version 3 (EMCISA)

2. Pass the following Specialist exam on or after January 13, 2017:
   - [E20-507 VMAX All Flash and VMAX3 Solutions Specialist Exam for Storage Administrators](#)

Note: These details reflect certification requirements as of **January 13, 2017.**

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.

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E20-507 VMAX All Flash and VMAX3 Solutions Specialist Exam for Storage Administrators

Exam Description

Duration
90 Minutes
 (60 Questions)

Pass Score: 63

Practice Test
Exam - E20-507

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

Overview
This exam is a qualifying exam for **the Storage Administrator, VMAX All Flash and VMAX3 Solutions Specialist (EMCSA)** track.

This exam focuses on configuration and business continuity management of VMAX All Flash and VMAX3 storage arrays in open systems environments. Non-disruptive migration (NDM) to VMAX All Flash and VMAX3 arrays is also covered. Managing configuration changes, TimeFinder SnapVX, SRDF, and NDM using SYMCLI and Unisphere for VMAX is assessed.

Dell EMC 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:

- VMAX All Flash and VMAX3 with HYPERMAX OS 5977 Q3 2016 Service Release
- Solutions Enabler 8.3
- Unisphere for VMAX 8.3
- SYMCLI
- TimeFinder SnapVX
- SRDF
- Open Replicator
- Non-disruptive Migration

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

Local and Remote Replication (6%)
- TimeFinder SnapVX architecture, features, capabilities, benefits, and management
- SRDF architecture, features, capabilities, benefits, and management
- Open Replicator architecture, features, capabilities and management

Business Continuity Management (31%)
- TimeFinder SnapVX operations with SYMCLI and Unisphere for VMAX
- SRDF operations in synchronous (SRDF/S) and asynchronous (SRDF/A) modes using SYMCLI and Unisphere for VMAX

Unisphere for VMAX Implementation and Management (7%)
- Unisphere for VMAX functionality and architecture
- Navigating the Unisphere for VMAX GUI
- Unisphere for VMAX administration

Configuration Management (42%)
- VMAX All Flash and VMAX3 Array Configuration and storage provisioning concepts
- Virtual provisioning concepts and automated tiering
- Storage allocation using autoprovisioning groups
- Device creation and port management
- Monitor Storage Resource Pools and Storage Group compliance
- Workload Planning with Unisphere for VMAX
- eNAS Management

Solutions Enabler Implementation (7%)
- Installation and using options files and environmental variables
- Gatekeeper management
- Commonly used Solutions Enabler daemons
- Solutions Enabler virtual appliance

Non-disruptive Migration to VMAX All Flash and VMAX3 (7%)
- Overview of Non-disruptive Migration
- Non-disruptive Migration using Unisphere for VMAX
- Non-disruptive Migration using SYMCLI

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 eLearning courses

Course Title	Course Number	Mode	Available
VMAX3 Fundamentals	MR-1WP-VMAXFD	eLearning	02/01/16
VMAX All Flash Fundamentals	MR-1WN-VMAXFFUN	eLearning	09/20/16
VMAX3 Local Replication Fundamentals	MR-1WP-VMAXLRFD	eLearning	02/01/16
VMAX3 Remote Replication Fundamentals	MR-1WP-VMAXRRFD	eLearning	02/01/16
Solutions Enabler Implementation	MR-1WP-VMAXSEI	eLearning	11/14/16
Unisphere for VMAX Implementation and Management	MR-1WP-VMAXUNIIM	eLearning	11/30/16
Non-Disruptive Migration to VMAX All Flash and VMAX3	MR-1WP-NDMVMAXAF3	eLearning	10/05/16

Please complete the following courses using either the <u>Classroom</u> OR <u>Self-paced</u> option:

Classroom

Course Title	Course Number	Mode	Available
VMAX All Flash and VMAX3 Configuration Management	MR-1CP-VMAXCM	Instructor-Led	01/09/17
OR			
VMAX All Flash and VMAX3 Configuration Management – Online ILT	MR-1LP-VMAXCM	Online ILT	01/09/17

AND

Course Title	Course Number	Mode	Available
VMAX All Flash and VMAX3 Business Continuity Management	MR-1CP-VMAXBCM	Instructor-Led	01/09/17
OR			
VMAX All Flash and VMAX3 Business Continuity Management – Online ILT	MR-1LP-VMAXBCM	Online ILT	01/09/17

Self-paced

Course Title	Course Number	Mode	Available
VMAX All Flash and VMAX3 Configuration & Business Continuity Management – Video ILT	MR-1TP-VMAXCMBCM-1611	Video ILT-Stream	11/30/16

Note: These exam description details reflect contents as of **January 13, 2017.**

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