DELLTechnologies

Announcing E20-542- VMAX3 Solutions and Design Specialist Exam for Technology Architects - **Retirement**

The **E20- 542 exam** that supports the Specialist – Technology Architect, VMAX3 Solutions Version 1.0 certification **will retire on January 29, 2021.** This exam is being replaced by the **DES-1111 Specialist – Technology Architect, PowerMax and VMAX All Flash Solutions Specialist** exam aligning to the 'Specialist – Technology Architect, PowerMax and VMAX All Flash Solutions Version 1.0' certification **available as of October 02, 2020.**

The DES-1111 exam and certification cover the positioning and designing PowerMax and VMAX All Flash Solutions including array configuration and management, as well as business continuity operations.

How will this impact me?

If you have taken or plan to take the *VMAX3 Infrastructure Solutions & VMAX3 Infrastructure Solutions Design* courses, please plan to take the **E20-542** exam before **January 29, 2021.**

- [**View the E20-542 exam description and practice test »**](#)

- [**View the DES-1111 exam description and practice test »**](#)

Your credential 'Specialist – Technology Architect, VMAX3 Solutions Version 1.0' once achieved, will not expire. As a certified Dell Technologies Proven Professional, you will continue to gain access to exclusive program benefits.

Specialist - Technology Architect, VMAX3 Solutions Version 1.0
Certification Description

Certification Overview
Benefits any professional positioning or designing VMAX3 Solutions including array configuration and management, as well as business continuity operations using TimeFinder VX and SRDF in heterogeneous open systems and virtual environments.

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

1. Achieve one of the following Associate level certifications*
   - Associate - Information Storage and Management Version 1.0
   - Associate - Information Storage and Management Version 2.0
   - Associate - Information Storage and Management Version 3.0
   - Associate - Information Storage and Management Version 4.0

2. Pass the following Specialist exam on or after July 31, 2015:
   - [E20-542 VMAX3 Solutions and Design Specialist Exam for Technology Architects](#)

Note: These details reflect certification requirements as of **July 31, 2015.**

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.

Other Certification Recommendations
Once you have achieved this Certification you may be interested in:
- [Expert – VMAX All Flash and VMAX3 Solutions Version 2.0](#)

DELL Technologies

E20-542 VMAX3 Solutions and Design Specialist Exam for Technology Architects

Exam Description

Proven Professional

Overview

This is the qualifying exam for the **Specialist - Technology Architect, VMAX3 Solutions Specialist (DCS-TA)** track.

This exam focuses on designing and positioning VMAX3 Solutions. The ability to size VMAX3 arrays with VMAX Sizer and design SRDF solutions with Business Continuity Solutions Designer is assessed. The exam also assesses the ability to demonstrate the usage of Unisphere for VMAX and Solutions Enabler SYMCLI to manage configuration changes, TimeFinder SnapVX and SRDF.

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.

Duration
90 Minutes
 (60 Questions)

Pass Score: 63

Practice Test
Exam - E20-542

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

- VMAX3 with HYPERMAX OS 5977 Q4 2014 Service Release
- Solutions Enabler 8.0.1
- Unisphere for VMAX 8.0.1.7
- VMAX Sizer

- TimeFinder SnapVX
- SRDF
- FAST
- Open Replicator
- BCSD

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

VMAX3 Configuration Management (28%)
- 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 SLO compliance
- Workload Planning with Unisphere for VMAX
- eNAS Management

VMAX3 Business Continuity Management (35%)
- 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

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- Navigating the Unisphere for VMAX GUI
- VMAX administration using Unisphere for VMAX
- Service level-based provisioning

VMAX3 Solutions Design (30%)
- Best practices for designing a VMAX3 solution
- Designing a VMAX3 solution with VMAX Sizer
- Remote replication – Network connectivity considerations
- Designing SRDF/S solutions
- Designing SRDF/A solutions

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
VMAX3 Fundamentals	MR-1WP-VMAXFD	eLearning	Feb 2016
VMAX3 Local Replication Fundamentals	MR-1WP-VMAXLRFD	eLearning	Feb 2016
VMAX3 Remote Replication Fundamentals	MR-1WP-VMAXRRFD	eLearning	Feb 2016
VMAX3 - Unisphere for VMAX Implementation and Management	MR-1WP-VMAXUNIIM	eLearning	Dec 2014

Please complete one of the following courses

Course Title	Course Number	Mode	Available
VMAX3 Infrastructure Solutions – Video ILT	MR-7TP-VMAXIS-0909	Video ILT-Stream	April 2015

Please complete one of the following courses

Course Title	Course Number	Mode	Available
VMAX3 Solutions Design – Video ILT	MR-7TP-VMAXSD-909	Video ILT-Stream	July 2015

Note: These exam description details reflect contents as of **July 31, 2015.**

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