DELLEMC

Storage Administrator, Symmetrix Solutions Expert Version 7.0
Certification Description

[Proven Professional Website](#)

[Proven Professional Community](#)

Certification Overview
Benefits Symmetrix VMAX 1/2 storage administrators by formally validating their knowledge, skills and expertise in advanced Symmetrix solutions. Solutions include SRDF/Star, Cascaded SRDF, VMAX security, VMAX performance and integration with Oracle, Microsoft Exchange, and Microsoft SQL Server.

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. Achieve one of the following Specialist level certifications*
   - Symmetrix Solutions Specialist (EMCSA)

3. Pass the following Expert exam on or after May 16, 2014:
   - [E20-814 Symmetrix Solutions Expert Exam for Storage Administrators](#)

Note: These details reflect certification requirements as of **May 16, 2014.**

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.

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

DELLEMC

E20-814 Symmetrix Solutions Expert Exam for Storage Administrators

Exam Description

DELLEMC PROVEN PROFESSIONAL

Duration
90 Minutes
  (60 Questions)

Pass Score: 60

Practice Test
Exam - E20-814

Overview
This exam is the qualifying exam for the Storage Administrator Symmetrix Solutions expert track.

This exam will assess the participant's knowledge and skills required to implement advanced Symmetrix solutions in virtualized open systems environments with core applications (Oracle, SQL Server and Microsoft Exchange) as well as identify and manage performance on the Symmetrix.

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:

- Symmetrix VMAX
- Solutions Enabler
- TimeFinder/Clone
- TimeFinder VP Snap
- TimeFinder/Snap
- SRDF/Synchronous
- SRDF/Asynchronous
- SRDF/Star
- Cascaded SRDF
- SRDF/EDP

- Unisphere for VMAX/Performance Analyzer
- Unisphere for VMAX/Performance Viewer
- Microsoft Exchange 2010
- Microsoft SQL Server 2008
- Oracle 10g/11g

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

SRDF/Star and Cascaded SRDF Solutions
- List SRDF three data center solutions and describe Cascaded SRDF Solutions including SRDF/ EDP
- Describe SRDF technologies that support SRDF/Star
- Describe SRDF/Star Solutions and SRDF/Star operations

VMAX 1/2 Security
- List information industry security regulations and describe storage information security risks
- Describe Symmetrix Access Controls and list server based security controls
- Describe user based security control for the VMAX 1/2 and list Unisphere security features

- Describe Service Credentials, explain DARE architecture and single drive erasure

VMAX 1/2 Performance
- Relate knowledge of the VMAX 1/2 architecture and I/O handling processes to their performance benefits
- Identify the performance impact different types of workloads have on VMAX 1/2 architectural components
- Use key metrics to identify performance bottlenecks and component over utilization
- Make performance-oriented recommendations when allocating new storage or migrating applications

EMC Storage Integration with Microsoft Exchange Best Practices
- EMC best practices for Microsoft Exchange
- Sizing, deploying and protecting Microsoft Exchange on EMC Storage Arrays

EMC Storage Integration with Microsoft SQL Best Practices
- EMC best practices for Microsoft SQL Server
- Sizing, deploying and protecting Microsoft SQL Server on EMC Storage Arrays

EMC Storage Integration with Oracle Best Practices
- EMC best practices for Oracle
- Sizing, deploying and protecting Oracle on EMC Storage Arrays

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.

Course	Mode	Availability
Symmetrix VMAX SRDF/Star and Cascaded SRDF Solutions	eLearning	Now
Symmetrix VMAX Security Concepts	eLearning	Now
EMC Storage Integration with Microsoft Exchange Best Practices	eLearning	Now
EMC Storage Integration with Microsoft SQL Best Practices	eLearning	Now
EMC Storage Integration with Oracle Best Practices	eLearning	Now
Symmetrix VMAX Performance Workshop	ILT Online-ILT Video ILT Stream	Now

Note: These exam description details reflect contents as of **May 16, 2014.**

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

for the latest information.