



# Implementation Engineer, Unity Solutions Specialist Version 1.0 (EMCIE)

## Certification Description



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### Overview

This certification validates the candidate's knowledge of key product related activities including installation, configuration and management of EMC Unity Systems. The UnityVSA and product features such as Snapshots and Replication are also covered.

### 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 June 2, 2017:
  - [E20-393 Unity Solutions Specialist Exam for Implementation Engineers](#)

Note: These details reflect certification requirements as of **May 2, 2016**.

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



# E20-393 Unity Solutions Specialist Exam for Implementation Engineers

## Exam Description



### Duration

90 Minutes  
(60 Questions)

Pass Score: 63

### Practice Test

Specialist – [E20-393](#)

### 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 Implementation Engineers (EMCIE), Unity Solutions Specialist track

This exam tests the candidate's knowledge to install, configure and manage EMC Unity Systems and the UnityVSA. This exam also tests the candidate's knowledge of key product features including Snapshots and Replication for block and file storage.

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:

- Unity

### Exam Topics

Topics likely to be covered on this exam include:

#### Unity Fundamentals (7%)

- Unity and UnityVSA solutions and use cases
- Unity architecture, features, system limits, and management options

#### Unity Hardware Fundamentals (5%)

- Unity hardware components, for example: DPE, SPE, DAE, expansion modules
- Use of component LED status indicators

#### Unity System Installation, Configuration, and Administration (15%)

- Installing and initializing Unity physical systems
- Installing and initializing UnityVSA systems
- Unity management interfaces
- Configuring system settings and alerts
- Configuring Dell EMC support in Unisphere

#### Unity Storage Provisioning and Access (10%)

- Provisioning Block and File storage
- Provisioning VMware datastores for ESXi
- Configuring access to Block, NFS, SMB, and VMware resources



#### **Unity Advanced Storage Features (20%)**

- Nature and use of FAST storage, Inline Compression, and Data at Rest Encryption
- Configuring Host I/O Limit policies for Block storage
- NAS Server support for multi-tenant environments
- Advanced Static Routing and IP Packet Reflect features
- Performing extension and shrink operations on a UFS64 file system
- Applying user and tree quotas to a file system

#### **Unity Data Protection and Mobility (23%)**

- Creating and using snapshots for storage, data protection in Unity
- Snapshot operations on LUNs and file systems
- Using replication for storage and data protection
- Synchronous and asynchronous replication operations
- Nature of data mobility in Unity and performing data mobility operations, including DHSM-based data mobility for Cloud Tiering appliance integration

#### **Unity Basic Maintenance (10%)**

- Key maintenance tasks and related resources including use of alerts and log entries
- Identifying an replacing failed CRUs and executing Data-In-Place conversions

#### **Unity Best Practices (10%)**

- Best practices for Unity system configuration, storage configuration, deploying datga services and configuring host applications

The percentages after each topic above reflects the approximate distribution of the total question set across the exam.

### **Recommended Training**

There are two different curriculum paths recommended for candidates preparing to take this exam, based on their audience group.

#### **All audiences:**

##### **Please complete one of the following courses**

<b>Course Title</b>	<b>Course Number</b>	<b>Mode</b>	<b>Available</b>
Unity Learning Center	MR-1TP-UNILC	Video ILT-Stream	5/5/2017
Unity Deep Dive – Online ILT	MR-1LP-UNIDD	Online ILT	5/5/2017
Unity Deep Dive	MR-1CP-UNIDD	Instructor-Led	5/5/2017

Note: These exam description details reflect contents as of **June 2, 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.



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Dell EMC believes the information in this document is accurate as of its publication date.  
The information is subject to change without notice.