



Announcing E20-895 Expert – Implementation Engineer, Avamar Exam retirement

The **E20-895 exam** that supports the Expert – Implementation Engineer, Avamar Version 8.0 certification **will retire on July 31, 2020.**

How will this impact me?

If you have taken or plan to take the *Avamar Integration and Performance Management* course, please plan to take the **E20-895** exam before **July 31, 2020.**

Your credential 'Expert – Implementation Engineer, Avamar Version 8.0' once achieved, will not expire. As a certified Dell Technologies Proven Professional, you will continue to gain access to exclusive program benefits.

Expert - Implementation Engineer, Avamar Version 8.0

Certification Description



[Proven Professional Website](#)

[Educational Services Community](#)

Certification Overview

This exam will benefit any Storage Administrator and/or Avamar professional implementing or managing the Avamar product. The learning path focuses on the Operational Best Practices, Management, and Integration with other Dell EMC products as well as the integration of databases and applications. This exam also covers the tape out solution and the Data Domain integration solution with Avamar.

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
 - Associate - Backup Recovery
 - Associate - Data Protection and Management Version 1.0
2. Achieve the following Specialist level certification
 - Specialist - Implementation Engineer, Avamar Version 7.0
 - Specialist - Implementation Engineer, Avamar Version 8.0
3. Pass the following Expert exam on or after July 21, 2017:
 - [E20-895 Avamar Expert Exam for Implementation Engineers](#)

Note: These details reflect certification requirements as of July 21, 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.

Other Certification Recommendations

Once you have achieved this Certification you may be interested in:

- [Specialist – Implementation Engineer, Data Domain Version 2.0](#)
- [Specialist – Implementation Engineer, NetWorker Version 7.0](#)
- [Expert – Implementation Engineer, NetWorker Version 7.0](#)

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

E20-895 Avamar Expert Exam for Implementation Engineers

Exam Description



Duration

90 Minutes
(60 Questions)

Pass Score: 60

Practice Test

Exam - [E20-895](#)

Dell Inc.
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Overview

This exam is a qualifying exam for the **Expert - Implementation Engineer, Avamar (DCE-IE)** track.

This exam focuses on ensuring that individuals are knowledgeable in implementing Avamar in various environments. The exam requires the successful candidate to demonstrate the ability to implement Avamar best practices, optimize Avamar performance, configure and perform backups and restores of various clients, and integrate Avamar with other Dell EMC products.

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.

Products

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

- Avamar v7.4.1 software
- EMC Avamar Data Store Gen4T
- Data Domain
- Avamar Virtual Edition
- Avamar NDMP Accelerator

Exam Topics

Topics likely to be covered on this exam include:

Configuring Avamar Operational Best Practices (10%)

- Dell EMC Avamar best practices for the backup environment
- Avamar security options including authentication, encryption, and secure deletion

Dell EMC Avamar Performance Management (17%)

- Avamar performance rates and factors, client performance, cache file tuning, and network bandwidth considerations and tuning
- Managing the capacity of an Avamar server

Integrating Dell EMC Avamar with Dell EMC Data Domain (12%)

- Configuring and using Data Domain with Avamar
- Troubleshooting integration issues

Integrating Dell EMC Avamar with Microsoft Applications (20%)

- Configuring, backing up, and restoring MS Exchange VSS in an Avamar integration environment
- Configuring, backing up, and restoring Microsoft SQL Server in an



- Avamar integration environment
- Configuring, backing up, and restoring Microsoft SharePoint VSS in an Avamar integration environment

Configuring, backing up, and restoring Microsoft SharePoint VSS in an Avamar integration environment (15%)

- Configuring, backing up, and restoring an Oracle database
- Configuring, backing up, and restoring a DB2 database

Integrating Dell EMC Avamar with NDMP (5%)

- Integrating Avamar with NDMP

Integrating Dell EMC Avamar with Virtual Environments (16%)

- Backing up virtual machines using Dell EMC Avamar
- Configuring, backing up, and restoring VMware virtual machines using VADP
- Configuring, backing up, and restoring Microsoft Hyper-V

Dell EMC Avamar Tape Out Solutions (5%)

- Nature and use of Avamar Data Migration Enabler

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 one of the following courses.

Course Title	Course Number	Mode	Available
Avamar Integration and Performance Management	MR-1CP-AVAIPM	Instructor-Led	6/12/17
Avamar Integration and Performance Management – Online ILT	MR-1LP-AVAIPM	Online ILT	6/12/17
Avamar Integration and Performance Management - Video ILT	MR-1TP-AVAIPM-1707	Video ILT-Stream	8/14/17

Note: These exam description details reflect contents as of **July 21, 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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