Announcing E20-594 Specialist – Implementation Engineer, Avamar Exam update

The E20-594 exam that supports the Specialist – Implementation Engineer, Avamar Version 8.0 certification will be updated on July 31, 2020. This update will include a revision of the Specialist-level credential version from 8.0 to 9.0.

The updated exam and certification cover Avamar Concepts, Avamar Implementation, and Avamar Administration including the Cloud Tier solution, the Avamar Fitness Analyzer, and integration of Avamar with Data Domain and NDMP.

How will this impact me?
If you have taken the Avamar Management, Installation and Configuration course before May 15, 2020 please plan to take the E20-594 exam before July 31, 2020.

- View the E20-594 exam description and practice test (effective until July 30, 2020) »
- View the E20-594 exam description and practice test (effective on or after July 31, 2020) »

Your credential 'Specialist – 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.
Specialist - Implementation Engineer, Avamar Version 8.0

Certification Description

Certification Overview
This exam will benefit any Implementation Engineer and/or Avamar professional implementing or managing the Avamar product. The learning path focuses on fundamental Avamar concepts, Avamar Data Store installation and configuration, the Avamar Virtual Edition solution and the Avamar NDMP. This exam also covers the Avamar integration with EMC Data Domain, database/email/clustered applications, NDMP, 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
   - Associate - Backup Recovery
   - Associate - Data Protection and Management Version 1.0

2. Pass the following Specialist exam on or after June 28, 2019:
   - E20-594 Specialist - Implementation Engineers, Avamar Exam

Note: These details reflect certification requirements as of June 28, 2019.

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 – Implementation Engineer, Avamar Expert Version 8.0
- Specialist – Implementation Engineer, NetWorker Version 7.0
- Specialist – Implementation Engineer Data Domain Version 2.0
E20-594 Specialist – Implementation Engineer, Avamar Exam will be updated on July 30, 2020

Exam Description

Overview
This exam is a qualifying exam for the Specialist - Implementation Engineer, Avamar (DCS-IE) track.

This exam focuses on ensuring individuals are knowledgeable in Avamar concepts and terminology. The exam requires the successful candidate to demonstrate the knowledge required to implement and configure an Avamar backup solution in single and multi-node environments. This exam covers supported Avamar configurations and editions, including Avamar Data Store and Avamar Virtual Edition. In addition, Avamar integration with database applications, NDMP and clustered environments are covered in the exam.

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 v18.2 software
- Avamar Data Store Gen4T
- Avamar Virtual Edition v18.2
- Avamar NMDP Accelerator

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

**Avamar Fundamentals (15%)**
- List Avamar features and functionality
- Illustrate Avamar system architecture, components and processes
- Describe Avamar server daily maintenance activities (for example: HFS checks, checkpoints, and garbage collection)

**Avamar Virtual Edition (10%)**
- Explain Avamar Virtual Edition solutions

**Avamar Data Store Hardware Installation (10%)**
- Describe Dell EMC Data Store solutions
- Install Avamar Data Store hardware
Avamar Installation and Configuration (27%)
- Demonstrate considerations for building an Avamar server (for example: hardware requirements, sizing, and utilities)
- Install Avamar systems (for example: RAIN, non-RAIN)
- Demonstrate the Avamar system migration process
- Conduct the node replacement and node addition processes

Avamar Management (38%)
- Identify Avamar tools for system monitoring, maintenance, and capacity management
- Configure and perform backups and restores
- Configure and run Avamar replication solutions
- Identify best practices for configuring an Avamar backup environment (for example: scheduling)
- Explain and conduct Avamar server daily maintenance activities (for example: HFS checks, checkpoints, and garbage collection)
- Integrate Avamar with Data Domain, database/e-mail/clustersed applications, NDMP, and Virtual environments

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

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Number</th>
<th>Mode</th>
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<tbody>
<tr>
<td>Avamar Data Store Hardware Installation</td>
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<td>eLearning</td>
<td>04/04/17</td>
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<td>Avamar Virtual Edition Overview</td>
<td>MR-1WN-AVAM136</td>
<td>eLearning</td>
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The following courses are not a formal part of this exam but are recommended for practical experience and application of the design concepts covered in the curriculum:

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<td>On-Demand Lab</td>
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<td>Avamar Installation and Configuration On-Demand Lab</td>
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Note: These exam description details reflect contents as of June 28, 2019.
The Proven Professional Program periodically updates exams to reflect technical currency and relevance. Please check the Proven Professional website regularly for the latest information.
Specialist - Implementation Engineer, Avamar Version 9.0 effective as of July 30, 2020

Certification Description

Certification Overview
This certification will benefit any Implementation Engineer and/or Avamar professional implementing or managing the Avamar product. The learning path focuses on Avamar Concepts, Avamar Implementation, and Avamar Administration. Topics include use cases, system architecture, components, monitoring, maintenance, capacity management, backup, restore, replication, AVE and ADS installation, implementation, maintenance, and best practices. The exam also covers the Cloud Tier solution, the Avamar Fitness Analyzer, and integration of Avamar with Data Domain and NDMP.

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 2.0
   - Associate - Information Storage and Management Version 3.0
   - Associate - Information Storage and Management Version 4.0
   - Associate - Data Protection and Management Version 1.0

2. Pass the following Specialist exam on or after July 30, 2020:
   - E20-594 Specialist - Implementation Engineers, Avamar Exam

Note: These details reflect certification requirements as of July 30, 2020.

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 – Implementation Engineer, Avamar Expert Version 8.0
- Specialist – Implementation Engineer, NetWorker Version 7.0
- Specialist – Implementation Engineer Data Domain Version 2.0

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E20-594 Specialist – Implementation Engineer, Avamar Exam

Exam Description

Overview
This exam is a qualifying exam for the Specialist - Implementation Engineer, Avamar (DCS-IE) track.

This exam focuses on ensuring individuals are knowledgeable in Avamar concepts and terminology. The exam requires the successful candidate to demonstrate the knowledge required to implement and configure an Avamar backup solution in single and multi-node environments. This exam covers Avamar Concepts, Avamar Implementation, and Avamar Administration. The exam also covers the Cloud Tier solution, the Avamar Fitness Analyzer, and integration of Avamar with Data Domain and NDMP.

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.

Pass Score: 63

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

- Avamar v19.2 software
- Avamar Data Store Gen4T
- Avamar Virtual Edition v19.2
- Avamar NMDP Accelerator

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

**Avamar Concepts (18%)**
- Identify use cases where Avamar can be used
- Give examples of how to use Avamar to address the use cases
- List Avamar features and capabilities
- Describe Avamar system architecture and components
- Explain the key concepts required to administer and use Avamar

**Avamar Implementation (13%)**
- Explain Avamar Virtual Edition solution
- Understand the prerequisites for Avamar Installation and Upgrade
- Explain Avamar Installation procedures, best practices, and understand licensing options
- Explain Avamar Upgrade procedures and best practices

**Avamar Installation and Maintenance (24%)**
- Describe Avamar Data Store (ADS) solution
- Install Avamar Data Store hardware
- Explain the node replacement and node addition processes
- Summarize how to connect Avamar Data Store to the customer network

**Avamar Administration (45%)**
- Identify Avamar tools for system monitoring, maintenance, and capacity management
- Navigate through the Avamar Web User Interface (AUI)
- Configure and perform backups and restores
- Configure and run Avamar replication solutions
- Configure and run Cloud Tier solution
- Identify best practices for configuring an Avamar backup environment
- Explain and conduct Avamar server daily maintenance activities
- Explain Avamar Fitness Analyzer and its functionalities
- Integrate Avamar with Data Domain and NDMP

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

**Recommended Training**
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<td>Avamar Concepts</td>
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