Purpose of the exam prep guide

The intent of this guide is to set expectations about the content and the context of the exam and to help candidates prepare for the exam. In this guide, you will find recommended HP training courses, reference and study material to help you achieve a successful passing score.

Studies conducted by HP and Prometric show that a combination of course attendance, self-study and on-the-job training maximizes the likelihood of passing the exam on the first attempt.

Audience

This exam is for technical presales personnel who design, deploy, configure and integrate SAN-based storage solutions based on MSA1000, MSA1500cs, and MSA1510i technologies.

Examples of job roles:

- SAN Architect
- Storage SA

General areas of content include:

- Benefits of a SAN
- MSA 1000, 1500cs, 1510i
  - Solutions,
  - Components and Configurations
  - Installation
  - SAN Management
  - Service Support
Certification requirements

The Implementing MSA Storage Solutions Exam, number HP0-823, is one of the core requirements to be certified as an Accredited Integration Specialist (AIS) HP StorageWorks.

This level of certification measures the competencies required for hands-on planning and the integration and support of technical solutions in business-class, networked environments. Given a set of customer business requirements, this individual is expected to be able to design, support and integrate platform, operating system, storage, network and option components to solve business needs. The ideal candidate is anyone who deploys business-class solutions based on HP technologies.

Prerequisites for AIS – StorageWorks (any one of the following):

Any ONE of the following HP credentials:

- CSA – HP OpenVMS v7
- CSA – HP OpenVMS v8
- CSA – HP-UX
- CSA – Tru64 UNIX

OR any ONE of the following third-party vendor credentials:

- SAIR LCA
- Linux Professional Institute (LPI) Level 1
- Red Hat RHCT Certification

NOTE: If you have completed the requirements for any of these credentials, you have fulfilled this requirement:

- Novell NetWare 5 CNE
- Novell NetWare 6 CNE
- Microsoft Windows NT 4.0 MCSE
- Microsoft Windows 2000 MCSE
- MCSE on Microsoft Windows Server 2003

OR any ONE of the following third-party vendor exams:

Novell:
- Foundations of Novell Networking (v6) exam #50-677
• Or any of the following retired Novell exams: #050-639, #050-645, #050-653

Microsoft:
• Managing and Maintaining a Microsoft Windows Server 2003 Environment Exam #70-290
• Installing, Configuring and Administering Microsoft Windows 2000 Server exam #70-215
• Or any of the following retired Microsoft exams: #70-067, #70-240

Sun:
• One of the following Sun Certified System Administrator for Solaris 7, 8, 9 or 10 exams:
  • Exam #CX-310-200 (v10)
  • Exam #CX-310-014 (v9)
  • Exam #CX-310-011 (v8)
  • Exam #CX-310-009 (v7) Retired but still accepted for certification.

IBM:
• IBM Certified Specialist - pSeries Administration and Support for AIX 5L V5.2 exam #232

Recommended Introductory Training:
• HP StorageWorks Full Line Technical WBT
• Storage Technologies WBT
• SAN Fundamentals WBT –or- Introduction to SANs WBT
• HP Storage Software and Solutions Full-Line Technical Training WBT

Exam details
• Number of items: 60
• Passing score: 75%
• Item types: multiple choice, drag and drop
• Time commitment: 75 minutes
Reference Material: No on-line or hard copy reference material will be allowed at the testing site.

Exam Registration
For information about exam registration, click here.

Comments on the exam
During the exam, participants can make specific comments about the items (i.e., accuracy, appropriateness to audience, etc). HP welcomes these comments as part of our continuous improvement process.

Exam content
The following testing objectives represent the specific areas of content covered in the exam. Use this outline to guide your study and to check your readiness for the exam. The exam measures your understanding of these areas.

**Implementing MSA Storage Solutions**

- Explain and recognize fundamental Storage technologies
- Given a storage requirement, compare and contrast the various storage technologies that will meet customer needs
- Recognize and describe HP storage products and solution sets
- Describe the MSA products, components, and configurations
- Correctly position HP Modular SMART Array products
- Install, configure, setup, or upgrade a solution
- Implement the solution - Given the final design, implement the solution to match the customer requirements
- Demonstrate the ability to manage customer expectations during the implementation
- Demonstrate the ability to recognize opportunities
- Demonstrate the ability to provide knowledge transfer and customer orientation
- Perform administrative and operational tasks
- Demonstrate the ability to manage and administer the MSA solution - Given an operational environment, manage and administer the solutions
Recommended Training and Study References

This section lists training courses and documents that can help you acquire a majority of the knowledge and skills needed to pass the exam. You must also gain the practical experience outlined in this guide.

You are not required to take the courses listed in this section. However, HP strongly recommends that you attend the classes, participate in class labs, and thoroughly review all course material and documents before taking the exam, even if you believe you have sufficient on-the-job experience.

Instructor-Led Training

Use the information in this guide and the practical experience you have gained to determine your need for the instructor-led training.

- Implementing HP MSA Storage Solutions Rev. 6.21 (eLMS 20736)

Web-based Training

Self-paced training and technical documentation may provide appropriate learning alternatives to instructor-led training for more experienced candidates.

<table>
<thead>
<tr>
<th>Title</th>
<th>How to Order/Obtain</th>
</tr>
</thead>
<tbody>
<tr>
<td>N / A</td>
<td>N / A</td>
</tr>
</tbody>
</table>
## Documentation

<table>
<thead>
<tr>
<th>Title</th>
<th>Section Title</th>
<th>Source/Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP Modular SMART Array 1000 Quick Installation Guide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HP StorageWorks Modular Smart Array 1000 User Guide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HP StorageWorks Modular Smart Array 1000 (MSA1000) Reference Guide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HP StorageWorks Modular Smart Array 1000 Controller User Guide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HP Smart Array Multipath Software User Guide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIS Data Migration to the MSA1000 • Microsoft Environments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Configuring the StorageWorks MSA1000 for external boot with Windows</td>
<td>New Installations</td>
<td></td>
</tr>
<tr>
<td>Upgrading the MSA1000 for Enhanced Features</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td><strong>Section Title</strong></td>
<td><strong>Source/ Order Number</strong></td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>--------------------------------</td>
<td>----------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>HP Array Configuration Utility User Guide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HP StorageWorks MSA1000 Controller and Components Replacement Instructions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HP StorageWorks Modular Smart Array 1000/1500 cs Command Line Interface User Guide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compatibility Guide MSA1000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Read Me First</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Release Notes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Other Reference Material**

<table>
<thead>
<tr>
<th><strong>Title</strong></th>
<th><strong>Source</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>MSA1000 Technical Documentation</td>
<td><a href="http://h20000.www2.hp.com/bizsupport/TechSupport/DocumentIndex.jsp?contentType=SupportManual&amp;locale=en_US&amp;docIndexId=179911&amp;taskId=101&amp;prodTypeId=12169&amp;prodSeriesId=377751">http://h20000.www2.hp.com/bizsupport/TechSupport/DocumentIndex.jsp?contentType=SupportManual&amp;locale=en_US&amp;docIndexId=179911&amp;taskId=101&amp;prodTypeId=12169&amp;prodSeriesId=377751</a></td>
</tr>
<tr>
<td>MSA 1500 Technical Documentation</td>
<td><a href="http://h20000.www2.hp.com/bizsupport/TechSupport/DocumentIndex.jsp?contentType=SupportManual&amp;locale=en_US&amp;docIndexId=179911&amp;taskId=101&amp;prodTypeId=12169&amp;prodSeriesId=415598">http://h20000.www2.hp.com/bizsupport/TechSupport/DocumentIndex.jsp?contentType=SupportManual&amp;locale=en_US&amp;docIndexId=179911&amp;taskId=101&amp;prodTypeId=12169&amp;prodSeriesId=415598</a></td>
</tr>
</tbody>
</table>
Sample Test Questions:

The sample test items give you a preview of what the actual test items will look like. It is important to note that these items WILL NOT be on the exam itself. However, they are representative of the actual items, and they should help you become familiar with the format and complexity of the test items. These sample test items are not a check for readiness.

The following items represent the types of items and question formats that you could see on the exam. These are generic examples and do not reflect the content being tested.

1. Which planet is closest to the Earth?
   A. Mars
   B. Pluto
   C. Venus
   D. Saturn

2. Which planets are “inner planets” — planets found within the asteroid belt?
   Select TWO.
   A. Pluto
   B. Earth
   C. Neptune
   D. Mercury
   E. Venus
3. Click the Exhibit button. What is this constellation called?
   A. Leo
   B. Aries
   C. Orion
   D. Taurus
   E. Gemini
   F. Pleiades
   G. Ursa Minor
   H. Ursa Major
   I. Andromeda
4. Click the Task button.

Place the planets in order of closest to farthest from the planet Earth.

1- closest (place here)  Neptune
2   (place here)         Uranus
3   (place here)         Pluto
4- farthest (place here) Saturn

5. Click the Task button.

Review the picture of the planets and click on Saturn.

Conclusion

HP wishes you success in the HP Certified Professional Program and in passing the exam for which you are preparing.