HP Certified Professional
Planning and Designing ProLiant Solutions for the Enterprise HP0-S15
Exam Preparation Guide

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 and self-study maximizes the likelihood of passing the exam on the first attempt.

Audience

This exam is for system engineers or technicians who require an in-depth understanding of the technologies deployed in HP ProLiant servers and computer professionals pursuing an HP Accredited Systems Engineer (ASE) certification. Examples of job roles:

- HP Authorized Partner Systems Engineer (Pre or post-sales)
- HP Solution Architect
- HP Technical Client Consultant

General competency areas include: Recognize and describe industry standard architecture, products, technologies and solutions; explain the ProLiant products and technical competitive positioning; identify the customer's requirements; and design a solution.

Certification Requirements

This exam, Planning and Designing ProLiant Solutions for the Enterprise HP0-S15, is one of the core requirements to be certified as Accredited Presales Consultant.

This level of certification measures the competencies required for hands-on planning and design of ProLiant Server based solutions in enterprise 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 designs enterprise class solutions based on HP technologies.

Prerequisites

HP strongly recommends that students taking this course have the following credentials. The instructor will deliver this course under the assumption that students have attained this level of experience.

- APP certification (HP Enterprise Solutions, HP0-D01)

Exam Details

At the beginning of the exam, you will be asked to answer several survey questions. The survey questions are designed to assist the exam development team in accurately profiling test results and to improve future exams.

The following are details about the exam:

- Number of items: 73
- Item types: multiple choice, drag-and-drop
- Time commitment: 105 minutes
- Passing Score: 70%
- Reference Material: No on-line or hard copy reference material will be allowed at the testing site.

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.
### S15.1 Industry Standard Server Architecture

- List the types of processor technology used in HP industry standard servers
- List the storage technologies used in HP industry standard servers
- List and explain the types of memory protection technology used in HP industry standard servers
- List the HP rack products and available options

### S15.2 Planning, Sizing, and Configuration Tools for HP ProLiant Servers

- Explain how to choose ProLiant servers that meet customer requirements
- Explain the ProLiant setup process
- Explain how to conduct a needs analysis and site survey
- List components of a scope of work

### S15.3 ProLiant High-Availability Solutions

- Describe the basics of a high-availability design
- List the requirements for high-availability clusters
- Define the industry standard in availability

### S15.4 HP BladeSystem Introduction

- Identify the products in the BladeSystem portfolio
- Identify the basic infrastructure components and server blades of the BladeSystem c-Class
- Explain the storage blade option available for the BladeSystem c-Class
- Name the tools that you can use to manage the BladeSystem c-Class

### S15.5 HP BladeSystem c-Class Enclosures

- Describe the features and components of the HP BladeSystem c-Class enclosures
- Explain the numbering schemes for device bays, interconnect bays, and fans
- Describe the purpose of the Onboard Administrator modules and their initial setup feature
- Use the c3000 enclosure-based DVD-ROM

### S15.6 HP BladeSystem c-Class Server Blades and Options

- Describe the HP BladeSystem c-Class server blades
- Describe the HP BladeSystem c-Class Ethernet connectivity options
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S15.7</td>
<td>Describe the HP BladeSystem c-Class storage options. List the HP StorageWorks Storage Blade products for the c-Class BladeSystem. Describe the features, benefits, and components of the HP StorageWorks SB40c Storage Blade. Describe the features, benefits, and components of the HP StorageWorks SB600c All-in-One Blade.</td>
</tr>
<tr>
<td>S15.8</td>
<td>Virtual Connect modules. Describe the benefits provided from the HP Virtual Connect architecture. Describe the features and benefits of the HP 1:10Gb Virtual Connect module and components. Describe the Virtual Connect Manager.</td>
</tr>
<tr>
<td>S15.9</td>
<td>HP BladeSystem p-Class Solutions. Describe the HP BladeSystem p-Class enclosure. Describe the HP BladeSystem p-Class server blades. Describe the HP BladeSystem p-Class network connectivity options. Describe the HP BladeSystem p-Class power infrastructure. Describe the HP BladeSystem p-Class power distribution system. Describe the HP BladeSystem p-Class storage connectivity options.</td>
</tr>
<tr>
<td>S15.11</td>
<td>Introducing RDP WE. Describe other HP server deployment tools and how they differ from RDP. Name the components of RDP. Identify the new features in RDP WE 3.70. List the features and benefits of RDP WE.</td>
</tr>
<tr>
<td>S15.12</td>
<td>HP Insight Control Management. Describe the HP Insight Control Management portfolio.</td>
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</table>
### Planning and Designing ProLiant Solutions for the Enterprise Exam Preparation Guide

- Describe the features of the Insight Control management software suites

<table>
<thead>
<tr>
<th>S15.13</th>
<th>Local System Management</th>
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<tbody>
<tr>
<td>•</td>
<td>Describe the functionality of the HP System Management Homepage</td>
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</table>

- Identify and describe HP Lights-Out products
- List several different ways to configure and access Lights-Out devices
- Identify and describe the features of Lights-Out products
- Discuss HP Lights-Out remote management technology and its advantages

<table>
<thead>
<tr>
<th>S15.14</th>
<th>HP Lights-Out Remote Management</th>
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<tbody>
<tr>
<td>•</td>
<td>Describe the features of HP SIM and how each feature can be used to manage remote systems</td>
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<tr>
<th>S15.15</th>
<th>HP Systems Insight Manager Overview</th>
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<tbody>
<tr>
<td>•</td>
<td>Describe the HP SIM architecture</td>
</tr>
<tr>
<td>•</td>
<td>Explain how infrastructure services enable the Central Management Server (CMS) to manage systems</td>
</tr>
</tbody>
</table>

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<tr>
<th>S15.16</th>
<th>Design a Solution Basic HP SIM Concepts</th>
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<tbody>
<tr>
<td>•</td>
<td>Explain how to use the HP BladeSystem Integrated Manager</td>
</tr>
<tr>
<td>•</td>
<td>Describe the features and benefits of HP BladeSystem Integrated Manager</td>
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</tbody>
</table>

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<tr>
<th>S15.17</th>
<th>BladeSystem Integrated Manager</th>
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<tr>
<td>•</td>
<td>Describe HP storage area network (SAN) solutions</td>
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<td>•</td>
<td>Describe HP data storage technologies</td>
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<td>•</td>
<td>Explain how to build a scalable disaster recovery solution</td>
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</table>

### 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.

<table>
<thead>
<tr>
<th>Title</th>
<th>Course Number</th>
<th>How to Enroll</th>
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<tbody>
<tr>
<td>Planning &amp; Designing ProLiant Solutions for the Enterprise</td>
<td>ELMS: #32796</td>
<td>Refer to your regional websites for local training information</td>
</tr>
</tbody>
</table>

Web-Based Training

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

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>ProLiant Server Basics</td>
<td>ELMS: #209WBT</td>
<td>Refer to your regional websites for local training information</td>
</tr>
<tr>
<td>ISS Sales Specialist Portfolio, ProLiant Family</td>
<td>ELMS: #205WBT</td>
<td>Refer to your regional websites for local training information</td>
</tr>
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</table>

Exam Registration

This exam is available at Prometric at http://www.2test.com/

Sample Test Items

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

1. Which planet is closest to the Earth?
   A. Mars
   B. Pluto
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.

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.