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, and sample test items to help you achieve a 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 BladeSystem solutions and computer professionals pursuing an HP Accredited Systems Engineer (ASE) certification.

Certification requirements

This exam, Planning & Deployment of HP BladeSystem Solutions (HP0-390), is one of the electives available to fulfill the requirements to be certified as an Accredited Systems Engineer (ASE).

This level of certification measures the competencies required for hands-on planning and the integration and support of technical 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 deploys enterprise class solutions based on HP technologies.

Prerequisites

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

- AIS certification (Implementing HP ProLiant servers, HP0-645)
- Enterprise Integration and Management of HP ProLiant Servers, HP0-725
- Three years experience configuring and installing server products
Exam details

At the beginning of the exam, you will be asked to answer several survey questions. The survey has been designed to help the exam development team define the final exam forms and set the passing score. Your honest responses will assist the exam team in properly tailoring this exam to the appropriate audience.

Details about the exam include:

- Number of items: 60
- Item types: Multiple choice
- Time commitment: 90 minutes
- Passing Score: 73% (44 items to pass)
- Reference material: No online or hardcopy 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.

Planning & Deployment of HP BladeSystem Solutions (HPO 390) Exam Content

1.0 Introduction to HP BladeSystem Portfolio
   1.1 Define server blade and server blade enclosure
   1.2 Describe the HP BladeSystem product line
   1.3 Identify the deployment and management tools available for the HP BladeSystem solutions
   1.4 Discuss the benefits of server blades and HP BladeSystem solutions TCO

2.0 ProLiant BL p-Class Server Blades and Infrastructure
   2.1 Discuss the HP ProLiant BL p-Class system anatomy
   2.2 Describe the server blade enclosure
2.3 Compare the differences among the ProLiant BL20p G2, BL20p G3, BL30p, and BL40p server blades
2.4 List and describe the server blade options
2.5 Design the ProLiant BL p-Class power infrastructure

3.0 Site Planning and Infrastructure Design
3.1 Plan a deployment site for HP BladeSystem solutions
3.2 Determine the maximum rack density
3.3 Identify the HP BladeSystem components
3.4 Install the power supplies in the power enclosure
3.5 Install the interconnects
3.6 Cable and power on the system

4.0 ProLiant BL p-Class Network Connectivity Options
4.1 Discuss general networking concepts
4.2 Discuss ProLiant BL p-Class server blade signal routing
4.3 Identify the available HP BladeSystem interconnect options
4.4 Choose the appropriate interconnect options for HP BladeSystem servers
4.5 Describe GbE Interconnect Switch best practices
4.6 Access the switch console interface
4.7 Access the HP integrated Lights-Out (iLO) of your server blade
4.8 Configure the iLO with the BladeSystem Configuration Wizard
4.9 Troubleshoot the iLO

5.0 Deploying ProLiant BL p-Class Server Blades
5.1 Deploy an HP BladeSystem server using RDP, iLO and Systems Insight Manager
5.2 Prepare a deployment server
5.3 Use RDP and iLO to manage an HP BladeSystem solution
5.4 Create a Red Hat Enterprise Linux AS 3 Reference Server

6.0 ProLiant BL p-Class Storage Connectivity Options
6.1 Identify the storage solutions supported by the HP BladeSystem
6.2 Describe HP BladeSystem SAN support
6.3 Explain how to connect an HP ProLiant BL p-Class server to an HP SAN
6.4 Discuss the process of booting from a SAN

7.0 ProLiant BL p-Class Server Blade Management
7.1 Identify functions and components of Systems Insight Manager
7.2 Discuss how OVO for Windows provides management services for HP BladeSystems
7.3 Explain how Systems Insight Manager integrates with OVO for Windows to manage HP BladeSystems
7.4 Describe how to manage HP BladeSystems using iLO technology
7.5 Install and configure HP SIM 4.2 and discover the blade infrastructure with the BladeSystem Integrated Management

8.0 ProLiant BL p-Class Service and Troubleshooting
8.1 Use the ProLiant BL p-Class Diagnostic Station to communicate with an HP BladeSystem solution
8.2 Discuss the service and troubleshooting procedures for HP BladeSystems
8.3 List the HP warranty and support options for HP BladeSystem servers

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.

- HP instructor led training course: # 21230 - HP BladeSystem Solution I – Planning and Deployment
- ProLiant AIS certification course ‘Implementing HP ProLiant servers’
- ProLiant ASE certification course ‘Integrating and Managing HP ProLiant Servers in the Enterprise’
Sample test items

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.

1. You use iLO Advanced and its Virtual CD capability to boot a ProLiant BL20p G3 server blade from a SmartStart 7.0 CD. The SmartStart CD fails to boot. What is the likely cause?
   A. iLO Advanced is not properly licensed
   B. SmartStart 7.0 does not support HP BladeSystem servers
   C. SmartStart is not properly licensed
   D. ProLiant Integration Module is not installed
   E. SmartStart Scripting Toolkit is not installed

2. Which ProLiant server blade has 4 integrated NICs and iLO?
   A. ProLiant BL40p
   B. ProLiant BL30p
   C. ProLiant BL20p G3
   D. ProLiant BL20p G2

3. You are designing an HP BladeSystem infrastructure for a customer. The customer requires a manageable interconnect solution with network cable reduction, Gigabit Ethernet speed to the server blade NICs, and Fibre Channel connectivity. What is the correct solution?
   A. RJ-45 Patch Panel 2
   B. GbE2 Interconnect Switch
   C. RJ-45 Patch Panel
   D. GbE Interconnect Switch

4. What is the correct HP blade to use for the compute tier in the Consolidated Client Infrastructure (CCI)?
   A. BL30p
   B. BL20p
   C. bc1000 blade PC
   D. BL40p
5. You installed and configured the Altiris Deployment Solution from the HP RDP 1.60 CD on a supported ProLiant server running Microsoft Windows Server 2003. When you open the Deployment Server Console and attempt to deploy Red Hat Enterprise Linux AS 3 to a ProLiant BL30p server blade, you cannot find a corresponding RDP job. Why?
   A. RDP 1.60 does not support deployment of Red Hat Enterprise Linux AS 3
   B. RDP 1.60 Linux Edition is not installed on a Linux server
   C. ProLiant Integration Module is not installed and the corresponding Linux deployment jobs are not imported
   D. Deployment Server for Linux Web Console is not installed and configured

6. You are connecting an enhanced server blade enclosure populated with ProLiant BL30p server blades to a SAN fabric. You used all required hardware components and latest drivers, but none of the server blades can connect to the fabric. Why?
   A. ProLiant BL30p server blades require Fibre Channel arbitrated loop with public loop login
   B. ProLiant BL30p server blades require SAN support to be enabled in the ROM Based System Utility (RBSU)
   C. the host bus adapter BIOS in each ProLiant BL30p must be enabled using QLogic Fast!UTIL
   D. the BIOS of the host bus adapters in each ProLiant BL30p must be configured for the SAN fabric
   E. the ProLiant BL30p server blade SAN support must be licensed and enabled in iLO Advanced

7. You recently added several ProLiant BL20p G3 server blades to your existing HP BladeSystem infrastructure. After a manual HP SIM discovery, HP SIM lists these server blades as disabled. Why?
   A. the server blade enclosure management module firmware version is older than 2.10
   B. the server blades are discovered through iLO and do not have an operating system
   C. the server blades are not licensed in the HP SIM license manager
   D. the server blades must be discovered using automatic discovery

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

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   * B. GbE2 Interconnect Switch
   C. RJ-45 Patch Panel
   D. GbE Interconnect Switch

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