Purpose of the exam preparation 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 Integrity servers and computer professionals pursuing an HP Accredited Integration Specialist (AIS) certification.

Certification requirements

This exam, Planning and Design of HP Integrity Entry-Level Server Solutions (HP0-380) is one of the core requirements to be certified as an Accredited Integration Specialist (AIS).

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 solutions that integrate platform, operating system, storage, network and option components to solve business needs. The ideal candidate is anyone who plans and designs enterprise-class solutions based on HP technologies.

Prerequisites

AIS candidates are required to have attained at least one of the following credentials before taking the HP0-380 exam:

- SAIR LCA
- Linux Professional Institute (LPI) Level 1
- Red Hat RHCT Certification
- Novell Certified Linux Professional
- HP CSA – HP-UXv11
In addition, AIS candidates are expected to have taken the following exam before taking the HP0-380 exam:

- HP Integrity Server Multi-OS Installation and Deployment (HP0-517)

Exam details

- Number of items: 70
- Item types: Multiple choice, drag and drop, exhibits
- Time commitment: 90 minutes
- Passing Score: 70% (49 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 (e.g., 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 and Design of HP Integrity Entry-Level Server Solutions (HP0-380)

1.0 Recognize, describe, and apply knowledge of fundamental architectures and technologies related to Itanium server solutions.
   - 1.1 Describe and apply knowledge of memory subsystem architecture and components.
   - 1.2 Describe, compare and contrast processor architectures.
   - 1.3 Describe, compare and contrast Integrity operating environments.

2.0 Recognize, describe, and competitively position HP Integrity servers, server configurations, and solution components.
   - 2.1 Describe and apply knowledge of HP integrated technologies and processes.
   - 2.2 Describe and apply knowledge of HP Integrity solutions.
2.3 Locate, describe and use tools and resources.
2.4 Competitively position Integrity server solutions and components.

3.0 Plan and design a deployable HP Integrity server solution.
3.1 Gather customer requirements.
3.2 Analyze customer requirements.
3.3 Define the initial solution design.
3.4 Validate the solution design.
3.5 Finalize the solution design.

4.0 Install, configure, integrate and upgrade HP Integrity server systems and options.
4.1 Develop and review implementation plans.
4.2 Install applications.

5.0 Manage HP Integrity server systems using HP management and serviceability tools and resources.
5.1 Integrate operating environment into management framework.
5.2 Explain management and maintenance processes.

6.0 Perform administrative and operational tasks
6.1 Document administrative and operational tasks.
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 (ILT) course, “Planning and Design of HP Integrity Entry-Level Server Solutions” – Course code: 27515
  
  After completing this course, you should be able to do the following:
  
  1. List the steps used to identify Integrity solution requirements
  2. Describe the HP Adaptive Enterprise strategy and how it is implemented in entry-level HP Integrity solutions
  3. List the technologies supported in the entry-level HP Integrity solutions
  4. Identify the tools used to design an entry-level Integrity solution
  5. Discuss the design guidelines and configuration rules used to design an entry-level Integrity sever solution
  6. Explain how business continuity practices can be implemented in an entry-level HP Integrity solution

  Note: The instructor will deliver this course under the assumption that students have attained at least one year of experience planning and designing server solutions.

- HP instructor-led training (ILT) course, “HP Integrity Multi-OS Installation and Deployment” (Core) – Catalog Code: 24936

- HP Web-based training (WBT) course, “PA-RISC to Integrity Evolution Technical Resource Kit (TRK)” – Catalog code: 20847

- CompTIA Server+ certification study guide
Sample test items

For answers please refer to the Answer Key at the end of this document.

1. Which statement is true regarding the Itanium CPU technology?
   A. It is HP proprietary.
   B. It is an IEEE standard.
   C. It was co-developed by HP and Intel.
   D. It was co-developed by HP, IBM and Intel.

2. What are the components in the HP zx1 chipset? Select THREE.
   A. mx2
   B. MIO
   C. IOA
   D. SME
   E. XPO

3. How does memory interleaving reduce bottlenecks?
   A. by sharing memory DIMMs among controllers
   B. by compacting data before memory DIMMs get written to
   C. by spreading usage to multiple memory DIMMs
   D. by enabling writes only to idle memory DIMMs

4. Which key elements do you need to identify when helping the customer choose the correct HP Itanium server solution? Select THREE.
   A. processing power requirements
   B. business operating hours of the applications
   C. IA64 application memory requirements
   D. environmental requirements
   E. customer's scalability needs (memory, CPU)
5. During the analysis phase of developing a proposal, which areas should be given the most attention in relation to the applications? Select TWO.

A. number of users for each application
B. disk connectivity
C. electrical and power requirements
D. application programming interface (API) library
E. applications that can be consolidated

6. LAN administrator is asked to implement Windows Server 2003 Enterprise Edition on an rx1600 server. The server is configured with two CPUs, 8GB RAM and 2x36G 15K drives.

Which problem might the administrator encounter with the installation?

A. The installation will work without problems.
B. The installation cannot be completed because there is not enough memory.
C. The installation cannot be completed because it is not supported on the rx1600 server.
D. The installation cannot be completed because there is not enough disk space.

Conclusion

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

*Answers are indicated by an asterisk (*).

1. Which statement is true regarding the Itanium CPU technology?
   A. It is HP proprietary.
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   C. IA64 application memory requirements*
   D. environmental requirements
   E. customer's scalability needs (memory, CPU)*
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