Compaq ProLiant/Linux Integration and Performance
Exam Preparation Guide

Training Requirements for Compaq ProLiant/Linux Integration and Performance

To get the maximum benefit from the Compaq ProLiant/Linux Integration and Performance course, it is **highly recommended** that the students complete the following prerequisites:

1. **Compaq ProLiant Systems Technologies** *(completed as self study web based)*, **Test ID #010-397**
2. Obtain professional certification from SAIR Linux (LCA) or Redhat (RHCE).
3. Have a minimum of one year experience configuring and installing Compaq servers in a Linux environment. You should additionally have one year experience in supporting clients in a Linux environment.

**COMPAQ ProLiant/Linux Integration and Performance Test Prerequisite**

The Compaq ProLiant/Linux Integration and Performance Test (Test Series #HP-032), is designed for the experienced network professionals who have been servicing and supporting Compaq general-purpose and high-availability servers and server options for a minimum of 2 years in a Linux server environment. In addition, it is **highly recommended** that students attended the class, participate in the labs, and then review all classroom documentation, materials and labs before attempting this test.

**Compaq ProLiant/Linux Integration and Performance Exam**

The Compaq ProLiant/Linux Integration and Performance Exam (Test #HP0-032), is a closed book, 50 question multiple choice test, that must be completed within a **1 hour time frame**. In order to achieve a passing score, you must **answer 42 of the 50 questions correctly** (84% is considered as a passing score).

**Test Registration**

The Compaq tests are delivered at Prometric Centers. Prometric is the world’s largest provider of testing to the IT industry.

**How To Register**

To register for the Compaq ProLiant/Linux Integration and Performance Exam (Test Series #HP0-032):

1. **Call** *(800) 366-EXAM (3926)* or
2. **Register online at** [Prometric Web Registration](#)

Due to high call volume on Mondays, Sylvan Prometric recommends scheduling test appointments on Tuesday through Friday.

**Please Note:** Online registration cannot calculate discounted tests and is not available in all regions. To register for Beta tests or to take advantage of discounts, you must register over the phone.
Please have the following information ready when you register:

1. Your name
2. Social Security # or SSI # (*or your assigned Compaq testing identification number)
3. Compaq Student or ASE ID# **
4. Company/Organization
5. Mailing Address (Street, City, State, Country, ZIP)
6. Test Series ID# HP0-032
7. Method of Payment (Visa, MasterCard, American Express, or company check. Payment is due prior to scheduling a test).

*Note: If you cannot provide a Social Security # or SSI #, Sylvan Prometric will assign a unique Compaq testing identification number to you. You are responsible for using this number in all future Sylvan Prometric testing transactions.

** If Student ID # is unknown or has never been assigned, please call Compaq Registration. In the U.S. call 800-732-5741 or in Canada call 800-392-7024.

Testing Procedures

- Sylvan Prometric provides registration and scheduling services Monday through Friday, 7:00 A.M. to 7:00 P.M. Central Time, excluding holidays observed by Sylvan Prometric.
- Upon registration, Sylvan Prometric will provide you with instructions regarding your appointment, cancellation procedures, ID requirements, and a choice of testing center locations.
- To change or cancel an appointment, you must notify the Sylvan Prometric Registrar at least one (1) business day prior to your scheduled appointment by 7p.m. CST.

Preparing for an ASE Level Test

Test analysis conducted by Compaq and Sylvan Prometric clearly show that a comprehensive course of class attendance and self-study is required to successfully pass the exam on the first attempt. Courseware for the ASE program has been designed for skilled professionals with a high degree of industry knowledge, years of associated experience, and demonstrated expertise in a network environment. Therefore, it is essential that students:

- Take adequate time to review all the information presented in class
- Review all reference documentation and support materials
- Answer all Progress Reviews contained in the student training materials
- Complete all written and “hands-on” lab assignments

If these measures are not adhered to, chances of successfully passing any ASE level exam are very limited.
Recommended Time for Testing

Testing statistics prove that 70% of all ASE level tests are passed when students take their test 3 to 7 days after class attendance. This amount of time typically provides adequate study time and allows testing to take place while the information is still fresh. On the converse, the same statistics show over an 80% failure rate for students attempting their exam immediately after a class or if they wait more than 2 weeks after class completion.

Compaq ProLiant/Linux Integration and Performance Recommended Areas of Self-Study

All of the answers and areas of study for the questions below can be found in the Student Guide, Lab Guide, Resource Guide, and accompanying materials received in the Compaq ProLiant/Linux integration and Performance Course as taught by Authorized Compaq Instructors. To register for the class, you may call (800) 732-5741 and register for course code # 800. If you cannot register for the class, you may want to order our Compaq ProLiant/Linux Integration and Performance Technical Resource Kit CD. This gives you most of the materials received in the instructor led class. You may purchase the CD at our website: [http://www.compaq.com/training/ss-trk.html](http://www.compaq.com/training/ss-trk.html)

Linux Software Components and Hardware Requirements

1. Describe and list the components that make up a Linux distribution.
2. Define daemon.
3. List four daemons and their functions.
4. Describe the function of X Windows.
5. Describe the differences between KDE and Gnome.
6. What configuration steps must be taken to use Apache?
7. What mail service options are available in Linux?
8. Describe how to configure a Linux system to interface with Microsoft Windows Network Neighborhood.
9. List three different ways to configure Linux runlevels.
10. Describe the difference between a Linux workstation and a Linux server.
11. Describe the clustering options available for Linux systems.
12. What are the minimum capacity requirements for a Linux server.
System Administration and Software Maintenance

13. Compare and contrast Red Hat linuxconf and SuSE YaST.
14. How can linuxconf be access by a remote machine?
15. What type of network printers does Linux support?
16. Describe the differences between Red Hat Xconfigurator and SuSE SaX.
17. What is the X Windows configuration file named?
18. Why are RPMs easier to maintain than source-only software packages?
19. What tools are required to compile a source-only software packages?
20. Describe how to create a Linux boot disk.
21. List the syntax order for a crontab file.
22. In what situations would a Linux system administrator need to boot in single user mode?
23. Describe how to repair a corrupt ext2 file system.

Linux Configuration for Compaq System Architecture

24. Why does Linux have device drivers?
25. What is unique about Linux device drivers compared to device drivers of other Unix-like systems?
26. In what directory are compiled Linux device drivers located?
27. What tape drives are supported in Linux?
28. What two modules do the Compaq Netelligent 10/100 and Compaq Netelligent 10/100 Intel network cards use?
29. Compare and contrast configuring the network in Red Hat linuxconf and SuSE YaST.
30. What is device name of the first network interface card in Linux?
31. What special precautions must be made while installing to retain the Compaq System (F10) Partition?
32. Describe how to configure LILO to boot the F10 partition.
33. Does Linux support multi-processor Compaq servers?
34. Does Linux support the SMART/2 array controller?
System Tuning

35. Describe how to configure RAID 0, 1, 4, and 5 for use with Linux.
36. Compare and contrast RAID 0, 1, 4, and 5.
37. List two types of Linux swap space.
38. What is the maximum amount of swap space that Linux can use?
39. List several factors that affect the performance of a Linux server.
40. List two command line utilities that can be used to monitor memory and processes.
41. Describe how to monitor network activity in Linux?
42. What are the advantages and disadvantages of automated monitoring in Linux?
43. Describe the pros and cons of recompiling the Linux kernel?
44. Does the Linux kernel have to be recompiled every time a device is added?
45. Where is the source for the Linux kernel located on the system (name the directory)?