



hp services

education

course description

hp Tru64 UNIX v5.1 LSM and RAID configuration and management u3699s

course overview

This 3 day course is designed for system administrators and support personnel who support hp Tru64 UNIX storage options such as RAID and LSM. Specifically, it is designed for system management and support people who have experience managing an hp Tru64 UNIX environment and require instruction in advanced system management topics associated with configuring and maintaining an LSM or RAID environment.

audience

System administrators and support personnel.

benefits to you

This course describes tasks that support personnel and system administrators must perform to install, configure, and manage the Logical Storage Manager and the Redundant Array of Independent Disks technology.

pre-requisites

Before taking this course, the student should be able to:

- Install and manage an hp Tru64 UNIX system
- Install layered products and register license PAKs
- Troubleshoot the operating system and make adjustments to improve performance
- Manage traditional UNIX disk partitioning
- Perform typical UNIX system management tasks (Eg. backup and adding user accounts)
- Use the hp Tru64 UNIX kernel configuration tools

course objectives

After taking this course, the student should be able to:

- Determine hardware and software needs for LSM and RAID
- Configure the hardware necessary to support hardware RAID
- Install the software necessary to support LSM and/or RAID
- Set up and manage LSM and RAID using the command line or graphical user interface
- Describe the benefits and drawbacks of using LSM or RAID

next steps

- TruCluster Configuration & Management u3702
- AdvFS Internals and Troubleshooting u3704

to order

You can order this course online at <http://education.hp.com>. At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form.

why hp education?

- Experienced and best-in-the-field HP instructors
- Comprehensive student materials
- State-of-the-art classroom facilities
- Hands-on practice
- Focus on job-specific skills
- More than 120 locations worldwide
- Customized on-site delivery
- Online instructor-led and self-paced training at <http://itresourcecenter.hp.com>

detailed course outline: hp Tru64 UNIX v5.1 LSM and RAID configuration and management u3699s

module	key topics
introducing LSM and RAID	<ul style="list-style-type: none">• managing data storage subsystems•
introducing RAID concepts	<ul style="list-style-type: none">• defining RAID fundamentals• describing RAID levels• determining RAID solutions for TruCluster server•
introducing storage area networks	<ul style="list-style-type: none">• SAN basics• introducing hp Tru64 UNIX San solutions•
configuring an HSG controller on fibre channel	<ul style="list-style-type: none">• describing HSG controllers• introducing fibre channel• controllers in transparent and multi-bus failover modes• zoning and cascaded switches• installing fibre channel hardware• using fibre channel storage in an hp Tru64 UNIX configuration•
configuring and managing the logical storage manager	<ul style="list-style-type: none">• introducing LSM concepts• setting up LSM• setting up subdisks, plexes, and volumes with the command line interface• removing LSM from the system• mirroring the root, swap, and /usr partitions with LSM• using the volassist command for advanced volume operations• introducing block-change logging• dirty-region logging• hot-sparing•

for more information

For more information on HP Education Services, contact any of our worldwide offices or visit our worldwide web site on the internet at <http://education.hp.com>

Technical information in this document is subject to change without notice.

Microsoft®, Windows®, MS Windows®, and Windows NT® are U.S. registered trademarks of Microsoft Corporation. UNIX® is a registered trademark of the Open Group.

©Copyright Hewlett-Packard Company 2000. All Rights Reserved. Reproduction, adaptation, or translation without prior written permission is prohibited except as allowed under the copyright laws.

7/02 rev. a U3699

