

# HP-UX System Administrator's Guide: Logical Volume Management

## HP-UX 11i Version 3

### Abstract

This document describes how to configure, administer, and troubleshoot the Logical Volume Manager (LVM) product on the HP-UX Version 3 platform.

The *HP-UX System Administrator's Guide* is written for administrators of HP-UX systems of all skill levels needing to administer HP-UX systems beginning with HP-UX Release 11i Version 3.

While many topics in this set apply to previous releases, much has changed in HP-UX 11i Version 3. Therefore, for information about prior releases, see *Managing Systems and Workgroups: A Guide for System Administrators*.



# Hp Ux System Administrators Guide Logical Volume Management

**S Ashworth**



## **Hp Ux System Administrators Guide Logical Volume Management:**

**HP-UX 11i Systems Administration Handbook and Toolkit** Marty Poniatowski, 2003 HP UX 11i System Administration Handbook and Toolkit second edition is your single source for everything HP UX administrators need to know. Now updated to cover new HP UX 11i and partitioning enhancements plus every essential UNIX command. Covers installation, boot, kernel, devices, users, groups, SAM, Veritas, VM, LVM, optimization, networking, GNOME, auditing, UNIX file types and commands, vi and shell programming. Includes extensive new disk partitioning coverage, vPars, PRM, nPartitions and MC ServiceGuard CD ROM, new HP UX performance management, trialware, sysadmin Cheat Sheets and more. *HP-UX: HP Certification Systems Administrator, Exam HP0-A01 - Training Guide and Administrator's Reference, 3rd Edition* Asghar Ghorji, 2008-08-15. This book contains 36 chapters and is structured to facilitate readers to grasp concepts, understand implementation procedures, learn command syntax, configuration files and daemons involved and understand basic troubleshooting. The 36 chapters are divided into three key areas: UNIX Fundamentals, HP UX System Administration and HP UX Network Administration. These chapters cover topics that are on HP's recommended certification courses: UNIX Fundamentals, System and Network Administration I, System and Network Administration II and HP UX for Experienced UNIX System Administrators, as well as on official exam objectives list 1. UNIX Fundamentals chapters 1 to 6 and 22 covers the basics of UNIX and HP UX. Most information is not specific to a particular UNIX flavor; rather, it includes general UNIX concepts, file manipulation and security techniques, vi editor, shell and awk programming, basic commands and other essential topics. Unlike many other similar books, a chapter on shell scripting is presented after covering HP UX System Administration area. This is done purposely to provide readers with practical examples based on the knowledge they gain from UNIX Fundamentals and HP UX System Administration chapters. 2. HP UX System Administration chapters 7 to 21 covers the HP UX specific system administration concepts and topics including server hardware information and mass storage, stack virtualization technologies and HP UX installation software and patch management, user and group administration, LVM and file system administration, EVFS and swap management, system shutdown and startup procedures, kernel configuration and management techniques, backup and restore functions, printer and print request management, job automation and process control and system logging and performance monitoring. 3. HP UX Network Administration chapters 23 to 36 covers HP UX network and security administration concepts and topics such as OSI and TCP/IP reference models, network hardware overview and LAN interface administration, IP subnetting and routing techniques, basic network testing and troubleshooting, internet services and sendmail, time synchronization, NTP and resource sharing, NFS, AutoFS and CIFS services, naming, DNS, NIS and LDAP services and automated installation techniques and high availability concepts and system security tools and practices. Throughout the book, figures, tables, screen shots and examples are given for explanation purposes. The book includes 863 exam review questions with answers. **The HP-UX System Administration Handbook and Toolkit** Marty

Poniatowski,1998 Here are great ideas and tools for smarter more effective HP UX system administration The book is a thorough guide for system administrators from the basics of system set up to the most advanced tips n tricks for maximizing performance and troubleshooting The two CD ROMS contain an unprecedented collection of trial software for HP UX administration development and interoperability with NT systems UNIX System Administration Handbook Evi Nemeth,Garth Snyder,Scott Seebass,Trent Hein,2000-08-29 Now covers Red Hat Linux Written by Evi Nemeth Garth Snyder Scott Seebass and Trent R Hein with Adam Boggs Rob Braun Ned McClain Dan Crawl Lynda McGinley and Todd Miller This is not a nice neat book for a nice clean world It s a nasty book for a nasty world This is a book for the rest of us Eric Allman and Marshall Kirk McKusick I am pleased to welcome Linux to the UNIX System Administration Handbook Linus Torvalds Transmeta This book is most welcome Dennis Ritchie AT T Bell Laboratories This new edition of the world s most comprehensive guide to UNIX system administration is an ideal tutorial for those new to administration and an invaluable reference for experienced professionals The third edition has been expanded to include direct from the frontlines coverage of Red Hat Linux UNIX System Administration Handbook describes every aspect of system administration from basic topics to UNIX esoterica and provides explicit coverage of four popular UNIX systems This book stresses a practical approach to system administration It s packed with war stories and pragmatic advice not just theory and watered down restatements of the manuals Difficult subjects such as sendmail kernel building and DNS configuration are tackled head on Examples are provided for all four versions of UNIX and are drawn from real life systems warts and all This book is where I turn first when I have system administration questions It is truly a wonderful resource and always within reach of my terminal W Richard Stevens author of numerous books on UNIX and TCP IP This is a comprehensive guide to the care and feeding of UNIX systems The authors present the facts along with seasoned advice and numerous real world examples Their perspective on the variations among systems is valuable for anyone who runs a heterogeneous computing facility Pat Parseghian Transmeta We noticed your book on the staff recommendations shelf at our local bookstore Very clear a masterful interpretation of the subject We were most impressed until we noticed that the same staff member had also recommended Aunt Bea s Mayberry Cookbook Shannon Bloomstran history teacher **IBM System Storage DS8000: Host Attachment and Interoperability** Axel Westphal,Bertrand Dufrasne,Juan Brandenburg,Jana Jamsek,Kai Jehnen,Steven Joseph,Massimo Olivieri,Ulrich Rendels,Mario Rodriguez,IBM Redbooks,2013-02-14 This IBM Redbooks publication addresses host attachment and interoperability considerations for the IBM System Storage DS8000 series Within this book you can find information about the most popular host operating systems platforms including Windows IBM AIX VIOS Linux Solaris HP UX VMware Apple and IBM z OS The topics covered in this book target administrators or other technical personnel with a working knowledge of storage systems and a general understanding of open systems You can use this book as guidance when installing attaching and configuring System Storage DS8000 The practical usage oriented guidance provided in this book

complements the IBM System Storage DS8000 Host Systems Attachment Guide SC26 7917      **IBM XIV Storage System: Host Attachment and Interoperability** Bertrand Dufrasne, Bruce Allworth, Desire Brival, Mark Kremkus, Markus Oscheka, Thomas Peralto, IBM Redbooks, 2014-04-14 This IBM Redbooks publication provides information for attaching the IBM XIV Storage System to various host operating system platforms including IBM i The book provides information and references for combining the XIV Storage System with other storage platforms host servers or gateways including IBM N Series and IBM ProtecTIER It is intended for administrators and architects of enterprise storage systems The book also addresses using the XIV storage with databases and other storage oriented application software that include IBM DB2 VMware ESX Microsoft HyperV SAP The goal is to give an overview of the versatility and compatibility of the XIV Storage System with various platforms and environments The information that is presented here is not meant as a replacement or substitute for the Host Attachment kit publications It is meant as a complement and to provide readers with usage guidance and practical illustrations      **UNIX Administration** Bozidar Levi, 2002-05-29 To configure and maintain an operating system is serious business With UNIX and its wide variety of flavors it can be especially difficult and frustrating and networking with UNIX adds still more challenges UNIX Administration A Comprehensive Sourcebook for Effective Systems Network Management is a one stop handbook      **PC Mag** , 1994-05-31 PCMag com is a leading authority on technology delivering Labs based independent reviews of the latest products and services Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology      *Virtualization , UNIX and Linux System Administration Handbook* Evi Nemeth, 2011 This fourth edition covers Red Hat Enterprise Linux openSUSE Ubuntu Solaris Opensolaris 11 and AIX 6 1      **Capacity Management - A Practitioner Guide** Annelies van der Veen, Jan van Bon, 2020-06-11 Capacity Management is described in most key ITSM frameworks ITIL ISO 20000 Microsoft Operations Framework MOF and the Application Service Library ASL all note the importance of Capacity Management This major title meets the need for an in depth practical guide to this critical process Written and reviewed by some of the world s most respected experts in this field it shows how Capacity Management best practice can support provision of a consistent acceptable service level at a known and controlled cost Practical advice covers the essential control of two balances Supply versus demand and resources versus cost In times of mean frugal economic measures it is essential to focus on those practices that are effective and yield practical results In enlightened times of sustainability it is also a requirement to find solutions that satisfy the criteria for greenness This excellent title shows how Capacity Management works not only within an IT environment but also why it is pivotal in meeting high profile business demands Aligns with ISO IEC 20000 and ITIL ISO IEC lists a set of required capacity management deliverables ITIL outlines what should be done in capacity management this book starts to describe how to do it Covers details of what capacity management is all about what is capacity management why do it benefits and cost benefit analysis how to do it data flows and activities who does it roles and perspectives

implementation maintenance improvement tools Provides comprehensive templates and checklists objectives interfaces and data flows sub practices and activities metrics application sizing parameters data for modelling deliverables reports CMMI levels KPIs risk matrix sample capacity plan *HP-UX Virtual Partitions* Marty Poniatowski,2002 This book provides essential information on setup and use of vPars on HP UX This is both a system administration and user book Sys Admin,2001 Optimizing NFS Performance David Olker,Dave Olker,2002 In this comprehensive guide that details behind the scenes tuning secrets and explains many previously undocumented features there are real world performance examples that illustrate how widely available tools can be used to troubleshoot and tune an NFS environment **Disk and File Management Tasks on HP-UX** Thomas Madell,Tom Madell,Hewlett-Packard,1997 Focusing on the mainstream everyday system administration tasks with emphasis on step by step examples this manual covers the difficult and newly introduced features of HP UX It covers HP UX 9 0 and HP UX 10 1 **DS8800 Performance Monitoring and Tuning** Gero Schmidt,Bertrand Dufrasne,Jana Jamsek,Peter Kimmel,Hiroaki Matsuno,Flavio Morais,Lindsay Oxenham,Antonio Rainero,Denis Senin,IBM Redbooks,2012-09-14 This IBM Redbooks publication provides guidance about how to configure monitor and manage your IBM System Storage DS8800 and DS8700 storage systems to achieve optimum performance It describes the DS8800 and DS8700 performance features and characteristics including IBM System Storage Easy Tier and DS8000 I O Priority Manager It also describes how they can be used with the various server platforms that attach to the storage system Then in separate chapters we detail specific performance recommendations and discussions that apply for each server environment as well as for database and DS8000 Copy Services environments We also outline the various tools available for monitoring and measuring I O performance for different server environments as well as describe how to monitor the performance of the entire DS8000 storage system This book is intended for individuals who want to maximize the performance of their DS8800 and DS8700 storage systems and investigate the planning and monitoring tools that are available The IBM System Storage DS8800 and DS8700 storage system features as described in this book are available for the DS8700 with Licensed Machine Code LMC level 6 6 2x xxx or higher and the DS8800 with Licensed Machine Code LMC level 7 6 2x xxx or higher For information about optimizing performance with the previous DS8000 models DS8100 and DS8300 see the following IBM Redbooks publication DS8000 Performance Monitoring and Tuning SG24 7146 *Mastering Unix Shell Scripting* Randal K. Michael,2011-09-14 UNIX expert Randal K Michael guides you through every detail of writing shell scripts to automate specific tasks Each chapter begins with a typical everyday UNIX challenge then shows you how to take basic syntax and turn it into a shell scripting solution Covering Bash Bourne and Korn shell scripting this updated edition provides complete shell scripts plus detailed descriptions of each part UNIX programmers and system administrators can tailor these to build tools that monitor for specific system events and situations building solid UNIX shell scripting skills to solve real world system administration problems **Certification Guide Series: Tivoli Storage Productivity Center**

**V4.1** Mary Lovelace, Paolo D'Angelo, Markus Standau, IBM Redbooks, 2010-01-30 This IBM Redbooks publication is a study guide for IBM Tivoli Storage Productivity Center Version 4.1. It is targeted for professionals who want to obtain certification as an IBM Certified Deployment Professional Tivoli Storage Productivity Center V4.1. This Certification offered through the Professional Certification Program from IBM is designed to validate the skills required of technical professionals who perform installation, configuration, administration, and problem determination of IBM Tivoli Storage Productivity Center V4.1 and demonstrates the features and functions of this product to the end user. This book provides a combination of theory and practical experience necessary for a general understanding of the subject matter. It also provides links to questions that can help in the evaluation of personal progress and provide familiarity with the types of questions that will be encountered in the exam. This book does not replace practical experience nor is it designed to be a stand-alone guide for any subject. Instead, it is an effective tool that when combined with educational activities and experience can be a useful preparation guide for the exam.

National Guide to Educational Credit for Training Programs 2004-2005 Jo Ann Robinson, Troy Polite, Nancy Musick, 2004 For more than 25 years this guide has been the trusted source of information on thousands of educational courses offered by business, labor unions, schools, training suppliers, professional and voluntary associations, and government agencies. These courses provide academic credit to students for learning acquired at such organizations as AT&T, Citigroup, Delta Air Lines, General Motors, University of NETg, and Walt Disney World Resort. Each entry in the comprehensive INational Guide R provides L L DBL Course title L DBL Location of all sites where the course is offered L DBL Length in hours, days, or weeks L DBL Period during which the credit recommendation applies L DBL Purpose for which the credit was designed L DBL Learning outcomes L DBL Teaching methods, materials, and major subject areas covered L DBL College credit recommendations offered in four categories by level of degrees and expressed in semester hours and subject areas s in which credit is applicable L L The introductory section includes ACE Transcript Service information. For more than 25 years this guide has been the trusted source of information on thousands of educational courses offered by business, labor unions, schools, training suppliers, professional and voluntary associations, and government agencies. These courses provide academic credit to students for learning acquired at such organizations as AT&T, Citigroup, Delta Air Lines, General Motors, University of NETg, and Walt Disney World Resort. Each entry in the comprehensive INational Guide R provides L L DBL Course title L DBL Location of all sites where the course is offered L DBL Length in hours, days, or weeks L DBL Period during which the credit recommendation applies L DBL Purpose for which the credit was designed L DBL Learning outcomes L DBL Teaching methods, materials, and major subject areas covered L DBL College credit recommendations offered in four categories by level of degrees and expressed in semester hours and subject areas s in which credit is applicable L L The introductory section includes ACE Transcript Service information.

**Windows NT and HP-UX System Administrator's "How To" Book** Marty Poniatowski, Martin Poniatowski, 1997 This is the first book that shows system administrators how to make sure their

Windows NT and HP UX systems interoperate with maximum efficiency and effectiveness



## Reviewing **Hp Ux System Administrators Guide Logical Volume Management**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Hp Ux System Administrators Guide Logical Volume Management**," an enthralling opus penned by a very acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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