Linux File Systems

By Moshe Bar

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Publishing Rationale - New Technology - The Linux 2.4 kernal adds a new dimension to Linux - multiple file systems. Up until this point, for each server there was one file system. With the new technology, one file system can span multiple servers. - Benefits - This new technology will increase both the flexibility of Linux as well as decrease the difficulty in administrating Linux systems and servers. This book is essential to gain knowledge necessary to benefit from the new technology. - No competition - No other book on Linux covers file systems in detail - it's an untapped and important market.

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Editorial Review

From the Back Cover

Implement the versatile file systems in Linux 2.4

Take full advantage of the new enterprise-class file systems available with the Linux 2.4 kernel. Written by Linux expert Moshe Bar, this book discusses all the important file systems available for Linux, examines their strengths and weaknesses, and explains how to use them effectively. Learn to configure the file systems for secure, efficient data management and increase system throughput significantly by tuning the file systems properly. You'll also get details on how file systems impact applications. This authoritative resource is a must-have for system and network administrators, developers, and capacity planning managers working with Linux.

- Install and compile a kernel for use with various file systems, including ext2FS, UFS, UDF, HFS, and more
- Take advantage of the robust Second Extended File System, ext2
- Patch directories necessary for file systems not included in your distribution
- Configure file systems for optimized storage and access to data
- Get the most out of the Virtual File System's ability to handle system calls
- Manage multiple disks and partitions with the Logical Volume Manager (LVM)
- Set up a RAID array using the PCI SCSI RAID controller, SCSI to SCSI RAID controller, or any supported block drive
- Maximize system reliability and minimize restore time using the Journaling File System (JFS)

CD contains source code for file systems covered in the book

About the Author
Moshe Bar (Milan, Italy) is the Linux columnist for Byte.com and one of the creators of Kha0s, a secure version of Linux. He is also a regular columnist for Linux Journal and contributes to Dr. Dobbs. His first book, Linux Internals, will be published in July of 2000 by Osborne/McGraw-Hill.

Users Review

From reader reviews:

Alberto Redden:

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