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"Designing BSD Rootkits" introduces the fundamentals of programming and developing rootkits under the FreeBSD operating system. Written in a friendly, accessible style and sprinkled with geek humor and pop culture references, the author favors a "learn by example" approach that assumes no prior kernel hacking experience.

Gain in-depth knowledge of Premiere Pro, and learn how the software "thinks." You'll acquire new skills that will help you choose the best workflow for your project, and simplify and accelerate your video editing process. Learn how you can edit a lot faster with smarter workflows that automate several steps in the editing process. You'll also see how custom settings, presets, keyboard shortcuts and templates saves hours of work. By tailoring the software to your needs you save clicks on just about every task. With many traditional jobs now being done by one person, its important to understand audio smoothing, color grading, motion graphics, and advanced editing techniques. You'll learn these skills and disciplines and see how they'll enhance your project's workflow. All the authors are professional editors and want to know exactly how to cut your film as fast as possible with top quality output. There is invaluable information in The Cool Stuff in Premiere Pro that's not available anywhere else – not even in Adobe's own manuals. What You'll Learn Edit faster, no matter what the project Understand the technical stuff, like timeline settings, render codecs, color subsampling, export settings, effect controls and monitor settings Know when to send your clips to other Adobe software, and how to treat them there. Master the Premiere Pro timeline, even stacks of timelines, and edit, trim and adjust with ease Who This Book Is For Video journalists (and

everyone else) will learn how to edit faster and get home in time for dinner. Bloggers will learn how to make their online video and audio "pop". Film cutters will learn how to organize, rough cut and fine tune huge amounts of material effectively and how to output for digital cinema. Experienced video editors will learn how to deal with multi-track audio and to work faster in every step of the edit. Marketing people who edit video for social media and web pages will learn simpler ways to make a faster cut. Teachers in media studies will understand the logic in Premiere Pro, and be better prepared for teaching video editing.

In today's hyper-connected society, understanding the mechanisms of trust is crucial. Issues of trust are critical to solving problems as diverse as corporate responsibility, global warming, and the political system. In this insightful and entertaining book, Schneier weaves together ideas from across the social and biological sciences to explain how society induces trust. He shows the unique role of trust in facilitating and stabilizing human society. He discusses why and how trust has evolved, why it works the way it does, and the ways the information society is changing everything.

Author and Samba Team Member Gerald Carter dedicates most of this book to the processes of installing and configuring Samba, distinguishing between both Linux/Windows, and Unix/Windows-based systems. He discusses the mechanics of file sharing across the dual platforms and expertly outlines the means necessary to remedy common problems, including helping to identify which version of Samba you are running and where to look for the patch or bug fix you will need to resolve it. He also assists in locating utilities like autoconf that automatically compiles a system configuration file with common default settings. Finally, he discusses security and password issues, as well as peripheral support for server printers.

A guide to the features of Samba-3 provides step-by-step installation instructions on integrating Samba into a Windows or UNIX environment.

Be more productive and make your life easier. That's what LDAP System Administration is all about.System administrators often spend a great deal of time managing configuration information located on many different machines: usernames, passwords, printer configurations, email client configurations, and network filesystem configurations, to name a few. LDAPv3 provides tools for centralizing all of the configuration information and placing it under your control. Rather than maintaining several administrative databases (NIS, Active Directory, Samba, and NFS configuration files), you can make changes in only one place and have all your systems immediately "see" the updated information.Practically platform independent, this book uses the widely available, open source OpenLDAP 2 directory server as a premise for examples, showing you how to use it to help you manage your configuration information effectively and securely. OpenLDAP 2 ships with most Linux® distributions and Mac OS® X, and can be easily downloaded for most Unix-based systems. After introducing the workings of a directory service and the LDAP protocol, all aspects of building and installing OpenLDAP, plus key ancillary packages like SASL and OpenSSL, this book discusses: Configuration and access control Distributed directories; replication and referral Using OpenLDAP to replace NIS Using OpenLDAP to manage email configurations Using LDAP for abstraction with FTP and HTTP servers, Samba, and Radius Interoperating with different LDAP servers, including Active Directory Programming using Net::LDAP If you want to be a master of your domain, LDAP System Administration will help you get up and running quickly regardless of which LDAP version you use. After reading this book, even with no previous LDAP experience, you'll be

able to integrate a directory server into essential network services such as mail, DNS, HTTP, and SMB/CIFS.

Representing more than a decade of research, this book is the first account of the history and development of Waldorf education in America. Looking at the past and present with an eye to how the understanding of the term Waldorf education has changed over time, the author identifies key trends in education, both Waldorf and general education, to imagine the direction in which Waldorf education may move in the future. Part one shows how the number of Waldorf schools grew slowly and steadily and how they have evolved through four generations, changing gradually from "experiments" to "alternatives" and, in the process, forging and re-forging Waldorf education itself. Part two examines the methods and myths of Waldorf education, showing what is essential and what is extraneous. Peeling away layers of convention and even misunderstanding, the author reveals Waldorf education as what many believe Rudolf Steiner, its founder, intended it to be: a living method of education that may be employed by any teacher or any school. As Waldorf education comes increasingly into public view and into public schools, primarily through charter schools, questions about what Waldorf education is (and is not) are becoming increasingly relevant. The author concludes that Waldorf education is not a method that can be packaged

and sold, but a living method that depends on insight for continual renewal. The Story of Waldorf Education in America is a fresh, insightful, analytical, and valuable resource for parents, teachers, and educators who would like to know more about Waldorf education--whether they have extensive experience in the Waldorf education or have only just heard of it.

Originally published in 1966 the author challenges the accepted theories of group conflict of the time, such as frustration and maladjustment. For him conflict and its accompanying aggressiveness are features of interaction between groups and he supports this theory with a detailed experimental study of controlled groups. At the time of publication, Dr Otto Klineberg, Director of the International Centre for Intergroup Relations at the Sorbonne wrote: 'Social scientists everywhere owe a great debt of gratitude to Professor Sherif. The distinguished series of publications for which he and his co-workers are responsible have an honoured place in our libraries. In particular, his contributions to the field of intergroup relations are outstanding; his concept of "superordinate goals", based on a combination of theoretical insight and brilliant experimentation, has become a household word for those concerned with this significant problem. In his new volume, Group Conflict and Co-operation, he carries his analysis much further, not only describing the results of several original investigations, but also building

a theoretical appraisal of an extensive research literature. The author has made still another significant contribution toward a better understanding of one of the most complex and disturbing phenomena of our time.'

The first guide to building and using one of the most powerful tools ever invented for building corporate intellectual capital Using many real-world examples and case studies, Rick Tanler describes methods developed by database managers and Webmasters at leading corporations for combining the power of data warehouses with the advanced distributed computing capabilities of corporate intranets. He provides guidelines for designing data warehouses that work well with Web browsers on an intranet and for linking existing data warehouses to corporate intranets. And he explores the competitive strategies developed by corporate managers for cashing in on the vast potential of their intranet data warehouses. Tanler begins with an exploration of the interrelationships among data warehousing, online analytic processing, and intranet technologies. He then explores the key issues surrounding the planning and implementation of an intranet data warehouse and provides technical guidelines for developers. Key topics include: * Optimal data warehouse architectures for intranet access * Development tools, including CGI, JDBC, CORBA, and ActiveX object messaging * Database query techniques for online access to data warehouses *

Development of OLAP-based decision support applications * GUI design with Web browser tools * Scalability and performance optimization * Security techniques and push technologies The first technical guide to one of today's most exciting new developments in corporate computing, The Intranet Data Warehouse is a must read for IT managers and administrators, database managers, and corporate Webmasters. Visit our Web site at www.wiley.com/compbooks/

A resource for information executives, the online version of CIO offers executive programs, research centers, general discussion forums, online information technology links, and reports on information technology issues.

WALL STREET JOURNAL BESTSELLER From Michael Dell, renowned founder and chief executive of one of America's largest technology companies, the inside story of the battles that defined him as a leader In 1984, soon-to-be college dropout Michael Dell hid signs of his fledgling PC business in the bathroom of his University of Texas dorm room. Almost 30 years later, at the pinnacle of his success as founder and leader of Dell Technologies, he found himself embroiled in a battle for his company's survival. What he'd do next could ensure its legacy—or destroy it completely. Play Nice But Win is a riveting account of the three battles waged for Dell Technologies: one to launch it, one to keep it, and

one to transform it. For the first time, Dell reveals the highs and lows of the company's evolution amidst a rapidly changing industry—and his own, as he matured into the CEO it needed. With humor and humility, he recalls the mentors who showed him how to turn his passion into a business; the competitors who became friends, foes, or both; and the sharks that circled, looking for weakness. What emerges is the long-term vision underpinning his success: that technology is ultimately about people and their potential. More than an honest portrait of a leader at a crossroads, Play Nice But Win is a survival story proving that while anyone with technological insight and entrepreneurial zeal might build something great—it takes a leader to build something that lasts.

An informative handbook for network administrators and professionals who use Linux offers practical guidelines on how to test, hack, and find security holes and secure them, explaining how to assess one's system, shut down unnecessary services and access, install filters and firewalls, eliminate unnecessary software, enhance authentication and user identity protocols, monitor network systems, and other important topics. Original. (Intermediate)

Device drivers make it possible for your software to communicate with your hardware, and because every operating system has specific requirements, driver writing is nontrivial. When developing for FreeBSD, you've probably had to scour the Internet and dig through the kernel

sources to figure out how to write the drivers you need. Thankfully, that stops now. In FreeBSD Device Drivers, Joseph Kong will teach you how to master everything from the basics of building and running loadable kernel modules to more complicated topics like thread synchronization. After a crash course in the different FreeBSD driver frameworks, extensive tutorial sections dissect real-world drivers like the parallel port printer driver. You'll learn: –All about Newbus, the infrastructure used by FreeBSD to manage the hardware devices on your system –How to work with ISA, PCI, USB, and other buses –The best ways to control and communicate with the hardware devices from user space –How to use Direct Memory Access (DMA) for maximum system performance –The inner workings of the virtual null modem terminal driver, the USB printer driver, the Intel PCI Gigabit Ethernet adapter driver, and other important drivers –How to use Common Access Method (CAM) to manage host bus adapters (HBAs) Concise descriptions and extensive annotations walk you through the many code examples. Don't waste time searching man pages or digging through the kernel sources to figure out how to make that arcane bit of hardware work with your system. FreeBSD Device Drivers gives you the framework that you need to write any driver you want, now. Today, many businesses and corporations are moving their on premises IT Infrastructure to the Cloud. There are numerous advantages to do doing so, including on-demand service, scalability, and fixed pricing. As a result, the Cloud has become a popular target of cyber-based attacks. Although an ISP is often charged with keeping virtual infrastructure secure, it is not safe to assume this. Back-up measures must be taken. This book explains how to guard against cyber-attacks by adding another layer of protection to the most valuable data in the Cloud: customer information and trade secrets.

A girl abandoned by her parents. A disabled princess who fights all odds to become the most feared warrior queen. A woman almost forced into sati by her trusted prime minister. A mother whose son brands her as a witch. This is the story of Rani Didda, the forgotten Hindu queen of undivided Kashmir. History is often unkind and cruel to women, especially women who wield power. Trampled by wars and religious crusades, lies hidden the story of a glorious woman who was considered a harbinger of bad times when she was born but went on to become a legendary warriorthe saviour of Srinagaram, the capital city of Kashmir. Didda: The Warrior Queen of Kashmir is the untold story of a womans rise to power during the tenth century. The legend of Didda is entwined with a life of solitary struggles against prejudice and patriarchy. She eventually went on to rule the unified Kashmir encompassing the Lohar Kingdom and Kashmir for a period of forty-four years, taking it to glorious heights and making it the most powerful kingdom in mediaeval Asia. The foundation laid by Didda helped Kashmir defeat the dreaded warlord Mahmud of Ghaznavi twice.

This book is the comprehensive guide to Samba administration, officially adopted by the Samba Team. Wondering how to integrate Samba's authentication with that of a Windows domain? How to get Samba to serve Microsoft Dfs shares? How to share files on Mac OS X? These and a dozen other issues of interest to system administrators are covered. A whole chapter is dedicated to troubleshooting! The range of this book knows few bounds. Using Samba takes you from basic installation and configuration -- on both the client and server side, for a wide range of systems -- to subtle details of security, cross-platform compatibility, and resource discovery that make the difference between whether users see the folder they expect or a cryptic error message. The current edition covers such advanced 3.x features as:

Integration with Active Directory and OpenLDAP Migrating from Windows NT 4.0 domains to Samba Delegating administrative tasks to non-root users Central printer management Advanced file serving features, such as making use of Virtual File System (VFS) plugins. Samba is a cross-platform triumph: robust, flexible and fast, it turns a Unix or Linux system into a file and print server for Microsoft Windows network clients. This book will help you make your file and print sharing as powerful and efficient as possible. The authors delve into the internals of the Windows activities and protocols to an unprecedented degree, explaining the strengths and weaknesses of each feature in Windows domains and in Samba itself. Whether you're playing on your personal computer or an enterprise network, on one note or a full three-octave range, Using Samba will give you an efficient and secure server.

This is Rod Laver's first-hand account of his historic 1969 Grand Slam sweep of all four major tennis titles. In this memoir, the four-time Wimbledon champion and the only player in tennis history to win two Grand Slams details his childhood, early career and his most important matches. Laver also sprinkles in tips and lessons on how players of all levels can improve their game and shares some of the strategies that helped him to achieve unparalleled success on the tennis court. Originally published in 1971, "The Education of a Tennis Player" was updated in 2009 on the 40th anniversary of his historic second Grand Slam with new content, including his recovery from a near-fatal stroke in 1998. Bud Collins, the legendary tennis personality and historian, serves as the book's co-author.

This principal source for company identification is indexed by Standard Industrial Classification Code, geographical location, and by executive and directors' names.

Every Ornament Has Its Place is a story that celebrates our love of our favorite

Christmas ornaments and explores what happens when an eight-year-old boy, Matt, can't find his the night the Christmas tree is brought into his home. What Matt learns is that he believes in Christmas spirit and that it is better to give than to receive. "Then the big moment finally arrives. My dad says 'I believe that's the last box, boys. You can start now.' My brothers quickly and enthusiastically open the boxes, and they reveal beautiful and homemade and new and old and odd and favorite ornaments. The boys quickly grab the ornaments, except no one notices me searching frantically for the mouse in the rocket ship. Where is he? Where is he? Where is he? Where is he? I think over and over as I frantically search."

Digital technology has transformed business and management methodology in the modern era. As technologies continue to evolve and change, designing a platform for business architecture requires flexibility and practicality. Organizational Leadership for the Fourth Industrial Revolution: Emerging Research and Opportunities provides the latest research on the approaches to dealing successfully with newly emerging digital technologies and the dynamic complexity leaders are facing now and in the future. While highlighting topics such as business architecture, interactive planning, and strategic capital, this book explores the implications of technologies on business and leadership as well as the development of leadership methods and applications. This book is an important resource for professionals, practitioners, upper-level students, and managers seeking current research on leadership and business advancement in the

digital era.

The ColdFusion Web Application Construction Kit is the best-selling ColdFusion series of all time—used by more ColdFusion developers to learn the product than any other books. Volume 3, Advanced Application Development introduces advanced ColdFusion features and technologies, including ensuring high availability, security and access control implementations, Java and .NET integration, using feeds and web services, connecting to IM networks, and server OS integration. Complete coverage of ColdFusion 8 starts in Volume 1, Getting Started (ISBN 0-321-51548-X) and Volume 2 Application Development (ISBN 0-321-51546-3).

The new edition of a bestseller, now revised and update throughout! This new edition of the unparalleled bestseller serves as a full training course all in one and as the world's largest data storage company, EMC is the ideal author for such a critical resource. They cover the components of a storage system and the different storage system models while also offering essential new material that explores the advances in existing technologies and the emergence of the "Cloud" as well as updates and vital information on new technologies. Features a separate section on emerging area of cloud computing Covers new technologies such as: data de-duplication, unified storage, continuous data protection technology, virtual provisioning, FCoE, flash drives, storage tiering, big data, and more Details storage models such as Network Attached Storage (NAS), Storage Area Network (SAN), Object Based Storage along with virtualization at

various infrastructure components Explores Business Continuity and Security in physical and virtualized environment Includes an enhanced Appendix for additional information This authoritative guide is essential for getting up to speed on the newest advances in information storage and management.

The Predictive Retailer is a retail company that utilizes the latest technological developments to deliver an exceptional personalized experience to each and every customer. Today, technology such as AI, Machine Learning, Augmented Reality, IoT, Real-time stream processing, social media, and wearables are altering the Customer Experience (CX) landscape and retailers need to jump aboard this fast moving technology or run the risk of being left out in the cold. The Predictive Retailer reveals how these and other technologies can help shape the customer journey. The book details how the five types of analytics-descriptive, diagnostic, predictive, prescriptive, and edge analytics-affect not only the customer journey, but also just about every operating function of the retailer. An IoT connected retailer can make its operations smart. Connected devices can help with inventory optimization, supply chain management, labor management, waste management, as well as keep the retailer's data centers green and its energy use smart. Social media is no longer a vanity platform, but rather it is a place to both connect with current customers as well as court new ones. It is also a powerful branding channel that can be utilized to both understand a retailer's position in the market, as well as a place to benchmark its position against

its competitors. Today, technology moves at break-neck speed and it can offer the potential of anticipatory capabilities, but it also comes with a confusing variety of technological terms--Big Data, Cognitive Computing, CX, Data Lakes, Hadoop, Kafka, Personalization, Spark, etc., etc. The Predictive Retailer will help make sense of it all, so that a retail executive can cut through the confusing technological jargon and understand why a Spark-based real-time stream processing data stream might be preferable to a TIBCO Streambase one, or an IBM Streaming Analytics one. This book will help retail executives break through the technological clutter so that they can deliver an unrivaled customer experience to each and every patron that comes through their doors.

Investors and technology gurus have called big data one of the most important trends to come along in decades. Big Data Bootcamp explains what big data is and how you can use it in your company to become one of tomorrow's market leaders. Along the way, it explains the very latest technologies, companies, and advancements. Big data holds the keys to delivering better customer service, offering more attractive products, and unlocking innovation. That's why, to remain competitive, every organization should become a big data company. It's also why every manager and technology professional should become knowledgeable about big data and how it is transforming not just their own industries but the global economy. And that knowledge is just what this book delivers. It explains components of big data like Hadoop and NoSQL databases; how

big data is compiled, queried, and analyzed; how to create a big data application; and the business sectors ripe for big data-inspired products and services like retail, healthcare, finance, and education. Best of all, your guide is David Feinleib, renowned entrepreneur, venture capitalist, and author of Why Startups Fail. Feinleib's Big Data Landscape, a market map featured and explained in the book, is an industry benchmark that has been viewed more than 150,000 times and is used as a reference by VMWare, Dell, Intel, the U.S. Government Accountability Office, and many other organizations. Feinleib also explains: • Why every businessperson needs to understand the fundamentals of big data or get run over by those who do • How big data differs from traditional database management systems • How to create and run a big data project • The technical details powering the big data revolution Whether you're a Fortune 500 executive or the proprietor of a restaurant or web design studio, Big Data Bootcamp will explain how you can take full advantage of new technologies to transform your company and your career.

This is the fundamental truth about data protection: backup is dead. Or rather, backup and recovery, as a standalone topic, no longer has relevance in IT. As a standalone topic, it's been killed off by seemingly exponential growth in storage and data, by the cloud, and by virtualization. So what is data protection? This book takes a holistic, business-based approach to data protection. It explains how data protection is a mix of proactive and reactive planning, technology and

activities that allow for data continuity. It shows how truly effective data protection comes from a holistic approach considering the entire data lifecycle and all required SLAs. Data protection is neither RAID nor is it continuous availability, replication, snapshots or backups—it is all of them, combined in a considered and measured approach to suit the criticality of the data and meet all the requirements of the business. The book also discusses how businesses seeking to creatively leverage their IT investments and to drive through cost optimization are increasingly looking at data protection as a mechanism to achieve those goals. In addition to being a type of insurance policy, data protection is becoming an enabler for new processes around data movement and data processing. This book arms readers with information critical for making decisions on how data can be protected against loss in the cloud, on-premises, or in a mix of the two. It explains the changing face of recovery in a highly virtualized data center and techniques for dealing with big data. Moreover, it presents a model for where data recovery processes can be integrated with IT governance and management in order to achieve the right focus on recoverability across the business. Johnny Long's last book sold 12,000 units worldwide. Kevin Mitnick's last book sold 40,000 units in North America. As the cliché goes, information is power. In this age of technology, an increasing majority of the world's information is stored

electronically. It makes sense then that we rely on high-tech electronic protection systems to guard that information. As professional hackers, Johnny Long and Kevin Mitnick get paid to uncover weaknesses in those systems and exploit them. Whether breaking into buildings or slipping past industrial-grade firewalls, their goal has always been the same: extract the information using any means necessary. After hundreds of jobs, they have discovered the secrets to bypassing every conceivable high-tech security system. This book reveals those secrets; as the title suggests, it has nothing to do with high technology. • Dumpster Diving Be a good sport and don't read the two "D" words written in big bold letters above, and act surprised when I tell you hackers can accomplish this without relying on a single bit of technology (punny). • Tailgating Hackers and ninja both like wearing black, and they do share the ability to slip inside a building and blend with the shadows. • Shoulder Surfing If you like having a screen on your laptop so you can see what you're working on, don't read this chapter. • Physical Security Locks are serious business and lock technicians are true engineers, most backed with years of hands-on experience. But what happens when you take the age-old respected profession of the locksmith and sprinkle it with hacker ingenuity? • Social Engineering with Jack Wiles Jack has trained hundreds of federal agents, corporate attorneys, CEOs and internal auditors on computer

crime and security-related topics. His unforgettable presentations are filled with three decades of personal "war stories" from the trenches of Information Security and Physical Security. • Google Hacking A hacker doesn't even need his own computer to do the necessary research. If he can make it to a public library, Kinko's or Internet cafe, he can use Google to process all that data into something useful. • P2P Hacking Let's assume a guy has no budget, no commercial hacking software, no support from organized crime and no fancy gear. With all those restrictions, is this guy still a threat to you? Have a look at this chapter and judge for yourself. • People Watching Skilled people watchers can learn a whole lot in just a few quick glances. In this chapter we'll take a look at a few examples of the types of things that draws a no-tech hacker's eye. • Kiosks What happens when a kiosk is more than a kiosk? What happens when the kiosk holds airline passenger information? What if the kiosk holds confidential patient information? What if the kiosk holds cash? • Vehicle Surveillance Most people don't realize that some of the most thrilling vehicular espionage happens when the cars aren't moving at all!

With increased life expectancy, the aged population has grown markedly throughout the world, but there is a shortage of experienced nurses with expertise in the holistic care of the elderly. This book is written to inspire and

empower such nurses. Care of the aged has a long and noble history within the nursing profession. Respect for the dignity of the elderly and a commitment to their well-being have inspired generations of nurses. But it is only in more recent times that aged-care nursing has really 'come of age' with the provision of sound evidence-based nursing practice. The traditional ethical approach to aged-care nursing has thus become combined with sound scientific knowledge in a modern holistic model of care. Aged Care Nursing: A Guide to Practice is written by clinicians for clinicians. Each chapter describes contemporary nursing practice in a specific area of aged care. The inclusion of evidence-based and outcome-based practices throughout the book ensures that all readers, be they novices or experts, will have a reliable and beneficial reference to guide their practice. The chapter authors are from several countries, and the content of each chapter is presented generically to ensure international applicability. Each author is a recognised expert in his or her subject area, and all present their topics with a focus that is practical, rather than academic.

Special Black April Issue Contributors U Sam Oeur Morgan Grayce Willow Lee Henschel Jr. Thuy Pham-Remmele Kathryn Kysar Ken McCullough Phan Thanh Tam Dan Coffey Paul Pederson Emilio De Grazia J.P. Johnson Thuy Da Lam Beadrin Youngdahl Jon Welsh Robbie Orr J. Michael Orange Kieu Ngan Doan

Dante DeGrazia Tom Driscoll

Explores SAN technology, examining design, integration, maintenance, and security issues to cover such topics as component selection, management tools, performance monitoring, and application integration.

One of the biggest challenges for companies today continues to be the cost of data storage, which is a large and rapidly growing IT expense. IBM® System Storage® N series incorporates a variety of storage efficiency technologies to help organizations lower this cost. This IBM Redbooks® publication focuses on two key components: N series deduplication and data compression. In this book we describe in detail how to implement and use both technologies and provide information on preferred practices, operational considerations, and troubleshooting. N series data compression and deduplication technologies can work independently or together to achieve optimal savings. We explain how N series data compression and deduplication work with Data ONTAP 8.1 operating in 7-Mode. We help you decide when to use compression and deduplication based on applications and data types to balance space saving against potential overhead. Optimization and usage considerations are included to help you determine your space savings.