



as how to use big data and cloud computing to drive efficiencies and establish a framework for sustainability in the information technology infrastructure. Written by recognized experts in both academia and industry, *Green Information Technology: A Sustainable Approach* is a must-have guide for researchers, computer architects, computer engineers and IT professionals with an interest in greater efficiency with less environmental impact. Introduces the concept of using green procurement and supply chain programs in the IT infrastructure. Discusses how to use big data to drive efficiencies and establish a framework for sustainability in the information technology infrastructure. Explains how cloud computing can be used to consolidate corporate IT environments using large-scale shared infrastructure reducing the overall environmental impact and unlocking new efficiencies. Provides specific use cases for Green IT such as data center energy efficiency and cloud computing sustainability and risk.

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.

Describes contemporary conditions in different industrial categories and suggests what developments can be expected in each field under current international economic circumstances.

Migrate to a dynamic, on-demand data delivery platform "If you're looking to hit the ground running with any virtualization project, large or small, this book is going to give you the start you need, and along the way will offer you some cautionary tales that will even take some seasoned virtualization veterans by surprise." --From the foreword by Chris Wolf, Senior Analyst, Burton Group

Transform your IT infrastructure into a leaner, greener datacenter with expert guidance from a pair of industry professionals. Through clear explanations, examples, and a five-step deployment plan, *Virtualization: A Beginner's Guide* shows you how to maximize the latest technologies from Citrix, Microsoft, and VMware. Consolidate your servers, set up virtual machines and applications, and manage virtual desktop environments. You'll also learn how to implement reliable security, monitoring, and backup procedures. Select a virtualization platform and develop rollout plans Perform pre-deployment network and workstation tests Configure virtual machines, storage devices, and workloads Set up and secure a fully virtualized and highly available server environment Manage a centralized, on-demand application delivery framework Handle volatile and persistent desktop virtualization Use hypervisors to facilitate workload delivery Implement failsafe system backup and recovery strategies

This book constitutes the thoroughly refereed post-conference proceedings of the Second International Conference on Networks for Grid Applications, GridNets 2008, held in Beijing, China in October 2008. The 19 revised full papers presented together with 4 invited presentations were carefully reviewed and selected from 37 submissions. The papers address the whole spectrum of grid networks, ranging from formal approaches for grid management to case studies in optical switching.

High-Performance Computing (HPC) delivers higher computational performance to solve problems in science, engineering and finance. There are various HPC resources available for different needs, ranging from cloud computing— that can be used without much expertise and expense – to more tailored hardware, such as Field-Programmable Gate Arrays (FPGAs) or D-Wave's quantum computer systems. *High-Performance Computing in Finance* is the first book that provides a state-of-the-art introduction to HPC for finance, capturing both academically and practically relevant problems.

Did you know that most of the biggest indie filmmakers, screenwriters, and producers working today each made the same avoidable mistakes early on in their careers? *The Reel Truth* details the pitfalls, snares, and roadblocks that aspiring filmmakers encounter. Reed Martin interviewed more than one hundred luminaries from the independent film world to discuss the near misses that almost derailed their first and second films and identify the close shaves that could have cut their careers short. Other books may tell you the best way to make your independent film or online short, but no other book describes so candidly how to spot and avoid such issues and obstacles as equipment problems, shooting-day snafus, postproduction myths, theatrical distribution deal breakers, and dozens of other commonly made missteps, including the top fifty mistakes every filmmaker makes. From personal experience and his years as a freelance reporter covering independent film for USA Today and *Filmmaker* magazine, Martin uncovers the truth about the risks and potential rewards that go with chasing celluloid glory. Whether you're writing a screenplay, looking for financing, about to start shooting, or thinking about investing time and money (or someone else's money) in an independent film, *The Reel Truth* is a must-read.

The amount of data being generated, processed, and stored has reached unprecedented levels. Even during the recent economic crisis, there has been no slow down or information recession. Instead, the need to process, move, and store data has only increased. Consequently, IT organizations are looking to do more with what they have while supporting gr

The American edition of the revelatory Swedish book *Spotify Untold*, the basis of the new Netflix Original series slated for 2022! "Two excellent Swedish journalists recount the historic rise of the company that changed modern music not just as a riveting business tale, but as a lesson in tech geopolitics. Spotify's Daniel Ek shows why Silicon Valley does not always win."—David Kirkpatrick, New York Times bestselling author of *The Facebook Effect* Steve Jobs tried to stop this moment from ever happening. Google and Microsoft made bids to preempt it. The music industry blocked it time and again. Yet, on a summer's eve in 2011, the whiz kid CEO of a Swedish start-up celebrated his company's US launch. In the midst of the Apple-Android tech war and a music label crusade against piracy and illegal downloading, Spotify withdrew the battle lines, sent shockwaves through Silicon Valley, and got the hardline executives at Universal, Sony, and Warner to sign with its "free-mium" platform. In *The Spotify Play*, now adapted into an upcoming Netflix Original series, Swedish investigative tech journalists Sven Carlsson and Jonas Leijonhufvud, who covered the company from its inception, draw upon hundreds of interviews, previously untapped sources, and in-depth reporting on figures like Mark Zuckerberg, Sean Parker, Steve Jobs, Taylor Swift, Jay-Z, Pony Ma Huateng, and Jimmy Iovine. They have captured the riveting David vs. Goliath story of a disruptive innovator who played the industry giants in a quest to

