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The 11 Most Essential Books for Data Center Directors

Posted on September 16, 2020 by Tess Hanna in Best Practices

Solutions Review compiles the 11 essential books that data center directors or managers need to add to their reading lists.

Data center directors are sidled with a large responsibility. Knowing how to keep your data center secure and operating smoothly is critical. Books, whether hardcover or digital, are an excellent source for professionals looking to learn about a specific field of technology, and data center directors are no exception. We've listed the top 11 books that data center directors should add to their reading lists. These books are intended for beginners and experts alike and are written by authors with proficiency and/or recognition in the field of data centers.

Be sure to also consult our Backup and Disaster Recovery Buyer's Guide for information on the top data center backup and disaster recovery solution providers. It's the perfect resource if you don't want your organization to fall victim to any data protection mistakes.

*Note: Titles are listed in no particular order.*

The Complete VMware vSphere Guide: Design a Virtualized Data Center with VMware vSphere 6.7
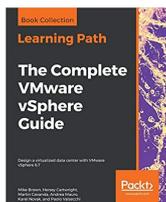
By Mike Brown, Hersey Cartwright, Martin Gavanda, Andrea Mauro, Karel Novak, and Paolo Valsecchi

"vSphere 6.7 is the latest release of VMware's industry-leading virtual cloud platform. By understanding how to manage, secure, and scale apps with vSphere 6.7, you can easily run even the most demanding of workloads. This Learning Path begins with an overview of the features of the vSphere 6.7 suite. You'll learn how to plan and design a virtual infrastructure. You'll also gain insights into best practices to efficiently configure, manage, and secure apps."

Cloud Native Data Center Networking: Architecture, Protocols, and Tools
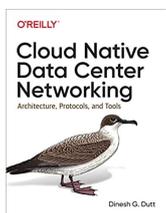
By Dinesh G. Dutt

"Ideal for network architects, data center operators, and network and containerized application developers, this book mixes theory with practice to guide you through the architecture and protocols you need to create and operate a robust, scalable network infrastructure. The book offers a vendor-neutral way to look at network design. For those interested in open networking, this book is chock-full of examples using open source software, from FRR to Ansible."

Data Center for Beginners: A Beginner's Guide Towards Understanding Data Center Design

By B.A. Ayomaya

"Data Centers are the drivers of the digital economy. Understanding how data centers are designed, how they work and how they interact with the services we use is key towards building a great career in a digital world. This book will provide the reader with a firm foundation for understanding Data Center design."

Data Center Handbook
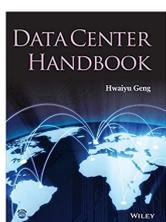
By Hwaiyu Geng

"Organizations in need of high-speed connectivity and nonstop systems operations depend upon data centers for a range of deployment solutions. A data center is a facility used to house computer systems and associated components, such as telecommunications and storage systems. It generally includes multiple power

# The Data Center Builder's Bible — Book 1: Defining Your Data Center Requirements: Specifying, Designing, Building, and Migrating to New Data Centers
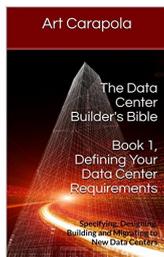
By Art Carapola

"This book is part of a five-book series called The Data Center Builder's Bible. The series will take you from the first moment you learn (or decide) that a new Data Center project is necessary, all the way through the completion of relocating all the essential technology and applications to the new site and returning your old site to the landlord. This Book 1 of the Series, "Defining the Requirements of your Data Center," is a 200+ page (print version) deep dive into two aspects of the overall project."

Cloud Data Centers and Cost Modeling: A Complete Guide to Planning, Designing, and Building a Cloud Data Center
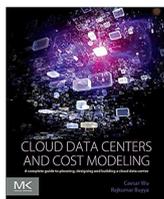
By Caesar Wu and Rajkumar Buyya

"Cloud Data Centers and Cost Modeling establishes a framework for strategic decision-makers to facilitate the development of cloud data centers. Just as building a house requires a clear understanding of the blueprints, architecture, and costs of the project; building a cloud-based data center requires similar knowledge. The authors take a theoretical and practical approach, starting with the key questions to help uncover needs and clarify project scope. They then demonstrate probability tools to test and support decisions, and provide processes that resolve key issues. After laying a foundation of cloud concepts and definitions, the book addresses data center creation, infrastructure development, cost modeling, and simulations in decision-making, each part building on the previous."

# Enterprise Data Center Design and Methodology
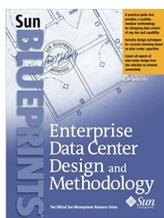
By Rob Snevely

"Enterprise Data Center Design and Methodology is a practical guide to designing a data center from inception through construction. The fundamental design principles take a simple, flexible, and modular approach based on accurate, real-world requirements and capacities. This approach contradicts the conventional (but totally inadequate) method of using square footage to determine basic capacities like power and cooling requirements…If you are building a new data center, are retrofitting an existing one, or are working in a data center and simply want a better understanding of these complex environments, you will find this book to be a valuable resource."
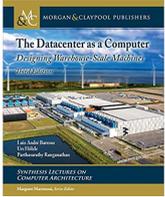
By Luiz Andre Barroso, Urs Holzle, and Parthasarathy Ranganathan

"This book describes warehouse-scale computers (WSCs), the computing platforms that power cloud computing and all the great web services we use every day. It discusses how these new systems treat the datacenter itself as one massive computer designed at warehouse scale, with hardware and software working in concert to deliver good levels of internet service performance. The book details the architecture of WSCs and covers the main factors influencing their design, operation, and cost structure, and the characteristics of their software base."

Hyperconverged Infrastructure Data Centers: Demystifying HCI (Networking Technology)
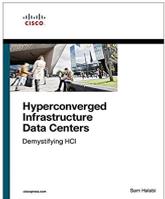
By Sam Halabi

"In Hyperconverged Infrastructure Data Centers, best-selling author Sam Halabi demystifies HCI technology, outlines its use cases, and compares solutions from a vendor-neutral perspective. He guides you through evaluation, planning, implementation, and management, helping you decide where HCI makes sense, and how to migrate legacy data centers without disrupting production systems."


Building a Modern Data Center: Principles and Strategies of Design

By Scott D. Lowe, David M. Davis, and James Green

"The data center has become a complex morass of wires, maintenance contracts and complexity. As organizations seek to bring agility to their IT function, and hence to their business, new ways of handling data center services are required. The crux point of this transformation has proven to be the storage element of the datacenter. Businesses seeking to implement Agile IT principles are now turning to emerging services including software-defined storage and hyperconverged infrastructure. In this book, readers will learn about these critical emerging datacenter architectural opportunities, while also being provided clear context for why these services will play an increasingly important role in the data center of tomorrow."

Data Center Infrastructure & Organization
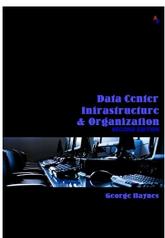
By George Haynes

"This précis covers data center planning, design, building, operations, and management to their evaluations of existing and proposed facilities. The business model implied is oriented toward sustainable development, and translate that commitment into concrete results as it attempts to help clients achieve cost savings while supporting their corporate social responsibility plan. It applies the necessary expertise in building and managing

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Tess Hanna is an editor and writer at Solutions Review covering Backup and Disaster Recovery, Business Process Management, and Talent Management. She aims to simplify the research process for IT professionals. You can contact her at thanna@solutionsreview.com

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