



Energy Efficient Servers: Blueprints for Data Center Optimization

Corey Gough, Ian Steiner, Winston A. Saunders

Download now

[Click here](#) if your download doesn't start automatically

Energy Efficient Servers: Blueprints for Data Center Optimization

Corey Gough, Ian Steiner, Winston A. Saunders

Energy Efficient Servers: Blueprints for Data Center Optimization Corey Gough, Ian Steiner, Winston A. Saunders

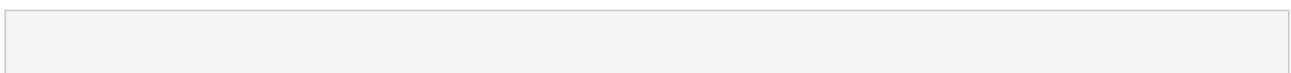
Energy Efficient Servers: Blueprints for Data Center Optimization introduces engineers and IT professionals to the power management technologies and techniques used in energy efficient servers. The book includes a deep examination of different features used in processors, memory, interconnects, I/O devices, and other platform components. It outlines the power and performance impact of these features and the role firmware and software play in initialization and control. Using examples from cloud, HPC, and enterprise environments, the book demonstrates how various power management technologies are utilized across a range of server utilization. It teaches the reader how to monitor, analyze, and optimize their environment to best suit their needs. It shares optimization techniques used by data center administrators and system optimization experts at the world's most advanced data centers.

What you'll learn

- Develop a deep understanding of power management in modern servers – from data center and systems software to low-level processor technologies – and all the pieces in-between.
- Build an understanding of technologies used in cores, caches, memory, system agents, processor interconnects, and PCI-E to manage power.
- Learn techniques for monitoring and characterizing server power management technologies including component and system level impact.
- Develop strategies to improve infrastructure utilization and cost-effectiveness, to guide configuration and purchasing decisions, and to enhance application deployment.
- Learn new techniques to optimize a server for energy efficiency while still meeting the service level requirements of software, related systems in the data center, and end customers.

Who this book is for

Primarily: Engineers and IT professionals. More broadly, the book appeals to a wide technologist audience – anyone who designs or relies on a server to run services and applications – from software engineers, to system administrators, to equipment and system manufacturers, to data center operators.



 [Download Energy Efficient Servers: Blueprints for Data Cent ...pdf](#)

 [Read Online Energy Efficient Servers: Blueprints for Data Ce ...pdf](#)

Download and Read Free Online Energy Efficient Servers: Blueprints for Data Center Optimization Corey Gough, Ian Steiner, Winston A. Saunders

From reader reviews:

William Phillips:

Why don't make it to become your habit? Right now, try to prepare your time to do the important take action, like looking for your favorite book and reading a e-book. Beside you can solve your short lived problem; you can add your knowledge by the reserve entitled Energy Efficient Servers: Blueprints for Data Center Optimization. Try to the actual book Energy Efficient Servers: Blueprints for Data Center Optimization as your buddy. It means that it can to become your friend when you really feel alone and beside regarding course make you smarter than ever. Yeah, it is very fortunated for you. The book makes you a lot more confidence because you can know every little thing by the book. So , let's make new experience as well as knowledge with this book.

Robert Black:

The book Energy Efficient Servers: Blueprints for Data Center Optimization can give more knowledge and information about everything you want. Why must we leave the great thing like a book Energy Efficient Servers: Blueprints for Data Center Optimization? Wide variety you have a different opinion about e-book. But one aim in which book can give many facts for us. It is absolutely suitable. Right now, try to closer with the book. Knowledge or information that you take for that, you may give for each other; you are able to share all of these. Book Energy Efficient Servers: Blueprints for Data Center Optimization has simple shape but you know: it has great and massive function for you. You can appearance the enormous world by open and read a reserve. So it is very wonderful.

Corey Ison:

The reserve untitled Energy Efficient Servers: Blueprints for Data Center Optimization is the reserve that recommended to you to learn. You can see the quality of the e-book content that will be shown to an individual. The language that author use to explained their ideas are easily to understand. The article author was did a lot of study when write the book, so the information that they share to you is absolutely accurate. You also might get the e-book of Energy Efficient Servers: Blueprints for Data Center Optimization from the publisher to make you considerably more enjoy free time.

Wayne Kong:

A lot of people always spent their very own free time to vacation or even go to the outside with them family or their friend. Were you aware? Many a lot of people spent they will free time just watching TV, or perhaps playing video games all day long. If you need to try to find a new activity honestly, that is look different you can read the book. It is really fun for yourself. If you enjoy the book that you just read you can spent all day long to reading a book. The book Energy Efficient Servers: Blueprints for Data Center Optimization it is extremely good to read. There are a lot of people who recommended this book. They were enjoying reading this book. Should you did not have enough space to develop this book you can buy the actual e-book. You

can more easily to read this book from a smart phone. The price is not to cover but this book possesses high quality.

Download and Read Online Energy Efficient Servers: Blueprints for Data Center Optimization Corey Gough, Ian Steiner, Winston A. Saunders #TLEUR72GAK8

Read Energy Efficient Servers: Blueprints for Data Center Optimization by Corey Gough, Ian Steiner, Winston A. Saunders for online ebook

Energy Efficient Servers: Blueprints for Data Center Optimization by Corey Gough, Ian Steiner, Winston A. Saunders Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Energy Efficient Servers: Blueprints for Data Center Optimization by Corey Gough, Ian Steiner, Winston A. Saunders books to read online.

Online Energy Efficient Servers: Blueprints for Data Center Optimization by Corey Gough, Ian Steiner, Winston A. Saunders ebook PDF download

Energy Efficient Servers: Blueprints for Data Center Optimization by Corey Gough, Ian Steiner, Winston A. Saunders Doc

Energy Efficient Servers: Blueprints for Data Center Optimization by Corey Gough, Ian Steiner, Winston A. Saunders Mobipocket

Energy Efficient Servers: Blueprints for Data Center Optimization by Corey Gough, Ian Steiner, Winston A. Saunders EPub