Designing Green Networks and Network Operations: Saving Run-the-Engine Costs

By Daniel Minoli

Designing Green Networks and Network Operations: Saving Run-the-Engine Costs By Daniel Minoli

In recent years, socio-political trends toward environmental responsibility and the pressing need to reduce Run-the-Engine (RTE) costs have resulted in the concept of Green IT. Although a significant amount of energy is used to operate routing, switching, and transmission equipment, comparatively less attention has been paid to Green Networking. A clear and concise introduction to green networks and green network operations, **Designing Green Networks and Network Operations: Saving Run-the-Engine Costs** guides you through the techniques available to achieve efficiency goals for corporate and carrier networks, including deploying more efficient hardware, blade form-factor routers and switches, and pursuing consolidation, virtualization, and network and cloud computing.

The book:

- Delineates techniques to minimize network power, cooling, floor space, and online storage while optimizing service performance, capacity, and availability
- Discusses virtualization, network computing, and Web services as approaches for green data centers and networks
- Emphasizes best practices and compliance with international standards for green operations
- Extends the green data center techniques to the networking environment
- Incorporates green principles in the intranet, extranet, and the entire IT infrastructures
- Reviews networking, power management, HVAC and CRAC basics
- Presents methodical steps toward a seamless migration to Green IT and Green Networking

[⬇ **Download** Designing Green Networks and Network Operations: S ...pdf](#)

Designing Green Networks and Network Operations: Saving Run-the-Engine Costs

By Daniel Minoli

Designing Green Networks and Network Operations: Saving Run-the-Engine Costs By Daniel Minoli

In recent years, socio-political trends toward environmental responsibility and the pressing need to reduce Run-the-Engine (RTE) costs have resulted in the concept of Green IT. Although a significant amount of energy is used to operate routing, switching, and transmission equipment, comparatively less attention has been paid to Green Networking. A clear and concise introduction to green networks and green network operations, **Designing Green Networks and Network Operations: Saving Run-the-Engine Costs** guides you through the techniques available to achieve efficiency goals for corporate and carrier networks, including deploying more efficient hardware, blade form-factor routers and switches, and pursuing consolidation, virtualization, and network and cloud computing.

The book:

- Delineates techniques to minimize network power, cooling, floor space, and online storage while optimizing service performance, capacity, and availability
- Discusses virtualization, network computing, and Web services as approaches for green data centers and networks
- Emphasizes best practices and compliance with international standards for green operations
- Extends the green data center techniques to the networking environment
- Incorporates green principles in the intranet, extranet, and the entire IT infrastructures
- Reviews networking, power management, HVAC and CRAC basics
- Presents methodical steps toward a seamless migration to Green IT and Green Networking

Designing Green Networks and Network Operations: Saving Run-the-Engine Costs By Daniel Minoli Bibliography

- Sales Rank: #10446731 in Books
- Published on: 2011-04-25
- Original language: English
- Number of items: 1
- Dimensions: 9.30" h x 1.20" w x 6.40" l, 1.65 pounds
- Binding: Hardcover
- 455 pages

⬇ **Download** Designing Green Networks and Network Operations: S ...pdf

📄 **Read Online** Designing Green Networks and Network Operations: ...pdf

Editorial Review

Review

"This overview should appeal to operational personnel who want to estimate cost and investment impacts or consider systems engineering options affecting the latter. … the book is a time saver, and it may help contributors to greener designs see their specific work in a broader context."
? *Computing Reviews*, June 2012

About the Author
Daniel Minoli is one of the most popular authors on the telecom and networking technology shelf, with more than a dozen well-received guides to his credit. The newly appointed CTO of a startup wi-fi ISP, he is the former President and CEO of InfoPort Communications Group; former Director of Engineering and Development at cable giant Teleport Communications Group, now part of AT&T; and a former Senior Member of the Technical Staff at AT&T. His books include the first handbook in the industry, "Telecommunications Technology Handbook." Among his recent works are the highly rated "Web Commerce Technology Handbook; SONET-Based Metro Area Networks;" and "Ethernet-Based Metro Area Networks, " written with Peter Johnson.

Users Review

From reader reviews:

Nancy Dabney:

This Designing Green Networks and Network Operations: Saving Run-the-Engine Costs book is absolutely not ordinary book, you have after that it the world is in your hands. The benefit you get by reading this book is actually information inside this book incredible fresh, you will get details which is getting deeper anyone read a lot of information you will get. This particular Designing Green Networks and Network Operations: Saving Run-the-Engine Costs without we recognize teach the one who reading through it become critical in considering and analyzing. Don't always be worry Designing Green Networks and Network Operations: Saving Run-the-Engine Costs can bring when you are and not make your case space or bookshelves' become full because you can have it inside your lovely laptop even cell phone. This Designing Green Networks and Network Operations: Saving Run-the-Engine Costs having great arrangement in word and layout, so you will not experience uninterested in reading.

Cheryl Burnett:

Why? Because this Designing Green Networks and Network Operations: Saving Run-the-Engine Costs is an unordinary book that the inside of the reserve waiting for you to snap the item but latter it will zap you with the secret it inside. Reading this book next to it was fantastic author who else write the book in such remarkable way makes the content on the inside easier to understand, entertaining technique but still convey the meaning fully. So , it is good for you for not hesitating having this nowadays or you going to regret it. This amazing book will give you a lot of positive aspects than the other book include such as help improving

your ability and your critical thinking technique. So , still want to postpone having that book? If I were being you I will go to the publication store hurriedly.

Jill Weber:

Your reading sixth sense will not betray a person, why because this Designing Green Networks and Network Operations: Saving Run-the-Engine Costs publication written by well-known writer we are excited for well how to make book which might be understand by anyone who have read the book. Written throughout good manner for you, still dripping wet every ideas and writing skill only for eliminate your hunger then you still uncertainty Designing Green Networks and Network Operations: Saving Run-the-Engine Costs as good book not simply by the cover but also by the content. This is one guide that can break don't ascertain book by its cover, so do you still needing another sixth sense to pick this particular!? Oh come on your studying sixth sense already said so why you have to listening to one more sixth sense.

Susan Woods:

Do you like reading a e-book? Confuse to looking for your favorite book? Or your book had been rare? Why so many question for the book? But any kind of people feel that they enjoy intended for reading. Some people likes examining, not only science book but also novel and Designing Green Networks and Network Operations: Saving Run-the-Engine Costs as well as others sources were given knowledge for you. After you know how the great a book, you feel desire to read more and more. Science book was created for teacher or students especially. Those publications are helping them to put their knowledge. In various other case, beside science guide, any other book likes Designing Green Networks and Network Operations: Saving Run-the-Engine Costs to make your spare time much more colorful. Many types of book like this.

Download and Read Online Designing Green Networks and Network Operations: Saving Run-the-Engine Costs By Daniel Minoli #AXDVJ3NUR0W

Read Designing Green Networks and Network Operations: Saving Run-the-Engine Costs By Daniel Minoli for online ebook

Designing Green Networks and Network Operations: Saving Run-the-Engine Costs By Daniel Minoli 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 Designing Green Networks and Network Operations: Saving Run-the-Engine Costs By Daniel Minoli books to read online.

Online Designing Green Networks and Network Operations: Saving Run-the-Engine Costs By Daniel Minoli ebook PDF download

Designing Green Networks and Network Operations: Saving Run-the-Engine Costs By Daniel Minoli Doc

Designing Green Networks and Network Operations: Saving Run-the-Engine Costs By Daniel Minoli Mobipocket

Designing Green Networks and Network Operations: Saving Run-the-Engine Costs By Daniel Minoli EPub