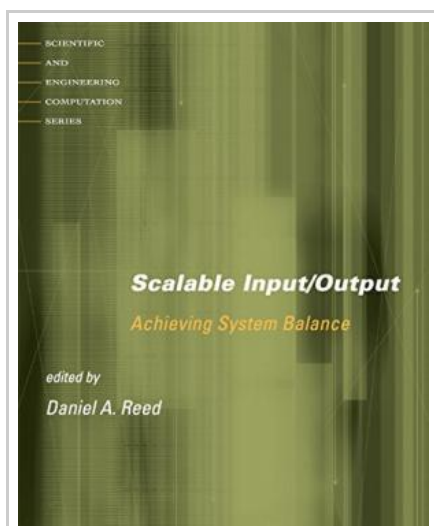




Scalable Input/Output: Achieving System Balance (Paperback)

By -

MIT Press Ltd, United States, 2004. Paperback. Book Condition: New. New.. 228 x 177 mm. Language: English . Brand New Book. As we enter the decade of data, the disparity between the vast amount of data storage capacity (measurable in terabytes and petabytes) and the bandwidth available for accessing it has created an input/output bottleneck that is proving to be a major constraint on the effective use of scientific data for research. Scalable Input/Output is a summary of the major research results of the Scalable I/O Initiative, launched by Paul Messina, then Director of the Center for Advanced Computing Research at the California Institute of Technology, to explore software and algorithmic solutions to the I/O imbalance. The contributors explore techniques for I/O optimization, including: I/O characterization to understand application and system I/O patterns; system checkpointing strategies; collective I/O and parallel database support for scientific applications; parallel I/O libraries and strategies for file striping, prefetching, and write behind; compilation strategies for out-of-core data access; scheduling and shared virtual memory alternatives; network support for low-latency data transfer; and parallel I/O application programming interfaces.

DOWNLOAD



READ ONLINE
[3.32 MB]

Reviews

A must buy book if you need to adding benefit. I am quite late in start reading this one, but better then never. You may like just how the article writer compose this ebook.

-- **Prof. Elliott Dickinson**

This book is fantastic. It really is packed with wisdom and knowledge I am pleased to explain how this is the greatest ebook i actually have go through in my personal daily life and can be he greatest ebook for at any time.

-- **Mr. Zachariah O'Hara**