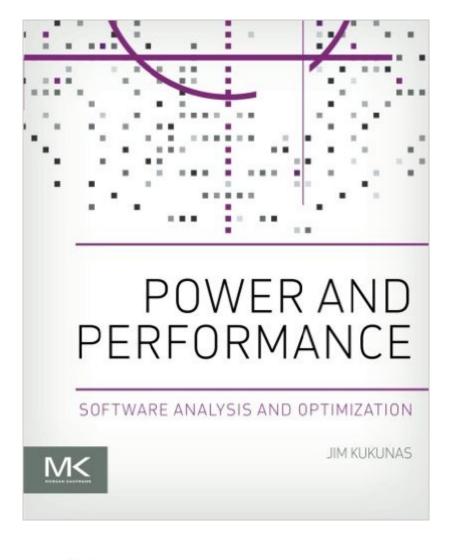
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# Power And Performance: Software Analysis And Optimization





## Synopsis

Power and Performance: Software Analysis and Optimization is a guide to solving performance problems in modern Linux systems. Power-efficient chips are no help if the software those chips run on is inefficient. Starting with the necessary architectural background as a foundation, the book demonstrates the proper usage of performance analysis tools in order to pinpoint the cause of performance problems, and includes best practices for handling common performance issues those tools identify.Provides expert perspective from a key member of Intelâ <sup>™</sup>s optimization team on how processors and memory systems influence performancePresents ideas to improve architectures running mobile, desktop, or enterprise platformsDemonstrates best practices for designing experiments and benchmarking throughout the software lifecycleExplains the importance of profiling and measurement to determine the source of performance issues

### **Book Information**

Paperback: 300 pages Publisher: Morgan Kaufmann; 1 edition (April 16, 2015) Language: English ISBN-10: 0128007265 ISBN-13: 978-0128007266 Product Dimensions: 7.5 x 0.7 x 9.2 inches Shipping Weight: 1.4 pounds (View shipping rates and policies) Average Customer Review: 5.0 out of 5 stars Â See all reviews (1 customer review) Best Sellers Rank: #2,496,015 in Books (See Top 100 in Books) #88 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Performance Optimization #216 in Books > Computers & Technology > Computer Science > AI & Machine Learning > Expert Systems #776 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Testing

### **Customer Reviews**

Excellent book! It bridges the gap between the CPU registers and the programmer's head. Chapter 5 is where real action begins. Very clear explanations and hands-on practical examples. It's going to be a classic!

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