

[PDF] C++ Concurrency In Action: Practical Multithreading

Anthony Williams - pdf download free book



Books Details:

Title: C++ Concurrency in Action: Pr
Author: Anthony Williams
Released:
Language:
Pages: 528
ISBN: 1933988770
ISBN13: 9781933988771
ASIN: 1933988770

[CLICK HERE FOR DOWNLOAD](#)

pdf, mobi, epub, azw, kindle

Description:

Summary

C++ *Concurrency in Action* is a reference and guide to the new C++ 11 Standard for experienced C++ programmers as well as those who have never written multithreaded code. This book will show

you how to write robust multithreaded applications in C++ while avoiding many common pitfalls.

About the Technology

Multiple processors with multiple cores are the norm these days. The C++11 version of the C++ language offers beefed-up support for multithreaded applications, and requires that you master the principles, techniques, and new language features of concurrency to stay ahead of the curve.

About the Book

Without assuming you have a background in the subject, *CC++ Concurrency in Action* gradually enables you to write robust and elegant multithreaded applications in C++11. You'll explore the threading memory model, the new multithreading support library, and basic thread launching and synchronization facilities. Along the way, you'll learn how to navigate the trickier bits of programming for concurrency.

Written for C++ programmers who are new to concurrency and others who may have written multithreaded code using other languages, APIs, or platforms.

Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

What's Inside

- Written for the new C++11 Standard
- Programming for multiple cores and processors
- Small examples for learning, big examples for practice

=====

Table of Contents

1. Hello, world of concurrency in C++!
2. Managing threads
3. Sharing data between threads
4. Synchronizing concurrent operations
5. The C++ memory model and operations on atomic types
6. Designing lock-based concurrent data structures
7. Designing lock-free concurrent data structures
8. Designing concurrent code
9. Advanced thread management
10. Testing and debugging multithreaded applications

-
- Title: C++ Concurrency in Action: Practical Multithreading
 - Author: Anthony Williams
 - Released:

- Language:
 - Pages: 528
 - ISBN: 1933988770
 - ISBN13: 9781933988771
 - ASIN: 1933988770
-