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Multithreading In C# 5.0 Cookbook



Synopsis

In Detail Processing power is at an ever-higher premium when developing applications. Simple applications written today cost ten-fold what they did a few years ago. Learning how to harness the power provided by multi-core technology, in a professional and efficient manner is becoming increasingly integral to developers. Multithreading in C# 5.0 Cookbook provides you with practical-first recipes that provides professional guidance in multithreaded and asynchronous programming. Starting with basic threads, the book quickly builds on this knowledge to cover ever more advanced and important topics, such as concurrent collections, I/O threads and parallel programming patterns. Approach Cookbook Who this book is for Multithreading in C# 5.0 Cookbook is written for existing C# developers who want a complete, professional, and authoritative guide to multithreading. You don't need any experience with multithreaded programming to use this book.

Book Information

File Size: 3874 KB

Print Length: 270 pages

Publisher: Packt Publishing (November 25, 2013)

Publication Date: November 25, 2013

Sold by: Digital Services LLC

Language: English

ASIN: B00GX9HM5S

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #892,240 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #131

in Books > Computers & Technology > Programming > Parallel Programming #567 in Kindle Store > Kindle eBooks > Computers & Technology > Programming > C & C++ #634 in Books > Computers & Technology > Programming > Languages & Tools > C#

Customer Reviews

First of all, this is a Cookbook and as such its main purpose is to serve as reference for specific usages and future needs. I wouldn't recommend reading it straight through, just use it for consulting

specific things you need to do. If you do read it from start to finish though i will tell that the first few chapters introduce you to the basics of threading (which hasn't changed much since C# 2.0 as far as i know) and the complexity of the code scales in a very nice pace. All recipes follow the format of first "Getting ready" then "How to do it" and finally "How it works". The thing i liked the most is the "How it works" sections since most Cookbooks don't contain a very deep explanation on how the code works but this one is less shallow than most. I won't say it explains in excruciating details every single part of the code but at least it does transmit the idea behind every code snippet well enough so you can come up with your own variations. If you are taking a degree in computer sciences or if you work with C# in a regular basis i would totally recommend to get this book into your library so you can have it for future references.

This is a great book to learn multithreading while practicing with the code. Each section has an example that you can use to help you learn, but I think it would have been an awesome book if the author describes the topics as well as explaining the code. For example, in section for CountdownEvent, we have code example on how to use the CountdownEvent, but there's no information about what it is and when to use it.

All main topics are covered. There are some very cool tricks like awaiting a dynamic object and windows 8 background tasks.

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