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Programming With UNIX Threads



Synopsis

Now that multithreaded programming has brought concurrent processing within the reach of a far greater number of businesses and academic institutions, experienced UNIX C programmers need a comprehensive reference to help them take full advantage of this exciting new development. Programming with UNIX Threads is the book to fill that need. The most complete book available on the practical applications of UNIX Threads, this invaluable guide is packed with useful, concise examples that both clarify complex information and help you develop a glossary of practical functions that can be easily reused. Charles J. Northrup supplements his detailed, step-by-step presentation with numerous illustrations and code segments as he examines all important aspects of UNIX Threads programming, including:

- * An overview of multiprocessing and multithreaded programming
- * Practical programming problems associated with synchronization, including mutex locks, condition variables, Reader-Writer locks, and more
- * Thread signal management in the extended process model
- * Scheduling and priorities

The book concludes with the creation of ADAM (a dynamic atom manager), a multithreaded software utility in which all concepts previously discussed are unified to provide a higher level view of parallelism within applications.

Book Information

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Source code for the examples is NOT available via the Internet, as the book states. Publisher/Author acknowledges this. This book is geared more toward systems/low-level programming use of UNIX threads rather than application level use of threads. This book is written on an advanced level. It

does provide thorough explanations of the principles of threads programming.

Despite the fact that this book covered the subject at a level I found to be appropriate, the lack of source code availability severely restricts the usefulness of this book. In this day and age, not providing the source code is inexcusable. There are other equally good sources of information on this subject, source code included.

Well written book with lot of details. If a CD was included or if a web site was given to find the source code it would have been better.

very good book on Thread programming for beginners as well as advance developers. But without the online software its doing a dis-service to the book !The book gives the web site which has the software but that's incorrect.

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