JAVA™ Threads

2nd Edition Java™ 2

O'REILLY®

Scott Oaks & Henry Wong

Java Threads, 2nd edition

Scott Oaks & Henry Wong

2nd Edition January 1999
ISBN: 1-56592-418-5, 332 pages

Revised and expanded to cover Java 2, Java Threads shows you how to take full advantage of Java's thread facilities: where to use threads to increase efficiency, how to use them effectively, and how to avoid common mistakes.

It thoroughly covers the Thread and ThreadGroup classes, the Runnable interface, and the language's synchronized operator.

The book pays special attention to threading issues with Swing, as well as problems like deadlock, race condition, and starvation to help you write code without hidden bugs.

Table of Contents

Table of Contents (cont...)

Description

Threads aren't a new idea: many operating systems and languages support them. But despite widespread support, threads tend to be something that everyone talks about, but few use. Programming with threads has a reputation for being tricky and nonportable.

Not so with Java. Java's thread facilities are easy to use, and - like everything else in Java - are completely portable between platforms. And that's a good thing, because it's impossible to write anything but the simplest applet without encountering threads. If you want to work with Java, you have to learn about threads.

This new edition shows you how to take full advantage of Java's thread facilities: where to use threads to increase efficiency, how to use them effectively, and how to avoid common mistakes.

Java Threads discusses problems like deadlock, race condition, and starvation in detail, helping you to write code without hidden bugs. It brings you up to date with the latest changes in the thread interface for JDK 1.2.

The book offers a thorough discussion of the Thread and ThreadGroup classes, the Runnable interface, the language's synchronized operator. It explains thread scheduling ends by developing a CPUSchedule class, showing you how to implement your own scheduling policy. In addition, *Java Threads* shows you how to extend Java's thread primitives. Other extended examples include classes that implement reader/writer locks, general locks, locks at arbitrary scope, and asynchronous I/O. This edition also adds extensive examples on thread pools, advanced synchronization technique, like condition variables, barriers, and daemon locks. It shows how to work with classes that are not thread safe, and pays special attention to threading issues with Swing. A new chapter shows you how to write parallel code for multiprocessor machines.

In short, *Java Threads* covers everything you need to know about threads, from the simplest animation applet to the most complex applications. If you plan to do any serious work in Java, you will find this book invaluable. Examples available online. Covers Java 2.

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS
Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS
Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS
Sync your system to PACER to automate legal marketing.