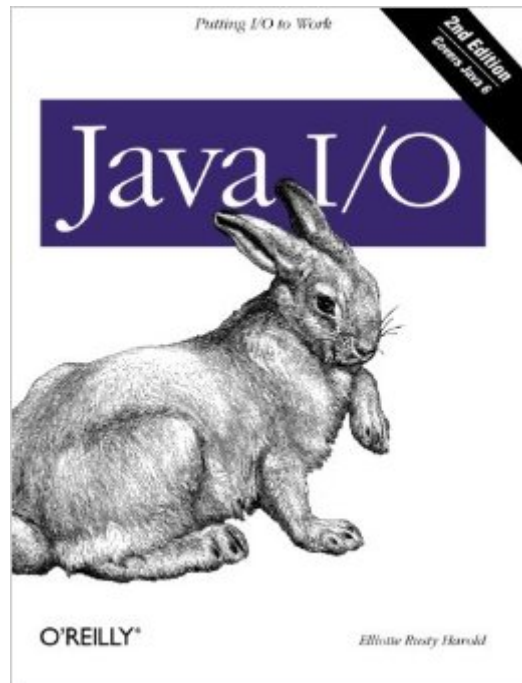# The book was found

Java I/O

Synopsis

All of Java's Input/Output (I/O) facilities are based on streams, which provide simple ways to read and write data of different types. Java provides many different kinds of streams, each with its own application. The universe of streams is divided into four largecategories: input streams and output streams, for reading and writing binary data; and readers and writers, for reading and writing textual (character) data. You're almost certainly familiar with the basic kinds of streams--but did you know that there's a CipherInputStream for reading encrypted data? And a ZipOutputStream for automaticallycompressing data? Do you know how to use buffered streams effectively to make your I/O operations more efficient? Java I/O, 2nd Edition has been updated for Java 5.0 APIs and tells you all you ever need to know about streams--and probably more. A discussion of I/O wouldn't be complete without treatment of character sets and formatting. Java supports the Unicode standard, which provides definitions for the character sets of most written languages. Consequently, Java is the first programming language that lets you do I/O in virtually any language. Java also provides a sophisticated model for formatting textual and numeric data. Java I/O, 2nd Edition shows you how to control number formatting, use characters aside from the standard (but outdated) ASCII character set, and get a head start on writing truly multilingual software. Java I/O, 2nd Edition includes: Coverage of all I/O classes and related classesIn-depth coverage of Java's number formatting facilities and its support for international character sets

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Customer Reviews

The first edition of Java I/O is now seven years old, and it is definitely time for a second edition considering all that has transpired. Note that the second edition was released in May 2006, so all reviews older than that are referring to the first edition. In this second edition there are basically eight entirely new chapters added to the original seventeen. It is probably worth the price of an upgrade especially if you are interested in Java I/O as it pertains to devices. I review this second edition in the context of comparing it to the first edition.Chapters 1 through 5 are virtually the same.Chapter six, "Filter Streams", has had one section - Print Streams - removed and had another section on the ProgressMonitorInputStream class added. ProgressMonitorInputStream is a unique filter stream hiding in the javax.swing package that displays progress bars that indicate how much of a stream has been read and how much remains to be read, and this book shows how to use it when reading unusually large files. The section on Print Streams that was removed from chapter six now has an entire chapter dedicated to it. This is because, starting in Java 5, the familiar PrintStream class has become a lot more powerful and interesting. Besides basic console output, it now provides extensive capabilities for formatting numbers and dates in a straightforward and easy fashion.The chapters on data streams, streams in memory, and compressing streams are virtually unchanged from the first edition. However, the "Jar Files" section from the "compressing streams" chapter has been removed and now has an entire chapter dedicated to it.

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