# Pro Java 7 NIO.2 (Expert's Voice in Java)

*Anghel Leonard*

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**Pro Java 7 NIO.2 (Expert's Voice in Java)** Anghel Leonard

*Pro Java 7 NIO.2* addresses the three primary elements that offer new input/output (I/O) APIs in Java 7, giving you the skills to write robust, scalable Java applications:

- An extensive file I/O API system addresses feature requests that developers have sought since the inception of the JDK

- A socket channel API addresses multicasting, socket binding associated with channels, and related issues

- An asynchronous I/O API enables mapping to I/O facilities, completion ports, and various I/O event port mechanisms to enhance scalability

NIO.2 for the Java platform, known as JSR 203, is a major feature of the new Java JDK 7 under the leadership of Alan Bateman as an OpenJDK project. Take advantage of these exciting new developments with *Pro Java 7 NIO.2*.

## What you'll learn

- How to carry out Path class operations

- How to get/set file metadata through the java.nio file attribute API (including POSIX)

- How to manage symbolic and hard links (including create, delete, and find target)

- How to deal with files and directories through the new java.nio.file.Files API

- How to use the FileVisitor API to develop file recursive operations

- How to explore the Watch Service API and file change notification

- How to use the new SeekableByteChannel API for Random Access File

- How to develop blocking/non-blocking socket-based applications

- How to explore the jewel of NIO.2: the Asynchronous Channel API

- How to use the Zip File System Provider and write a custom file system provider

- How to refactor java.io.File code

## Who this book is for

This book is for experienced Java programmers new to Java 7 and those with some experience with Java 7.

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