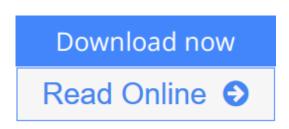# Java Security: Writing and Deploying Secure Applications (Java Series)

By Scott Oaks

Java Security: Writing and Deploying Secure Applications (Java Series) By Scott Oaks

One of Java's most striking claims is that it provides a secure programming environment. Yet despite endless discussion, few people understand precisely what Java's claims mean and how it backs up those claims. If you're a developer, network administrator or anyone else who must understand or work with Java's security mechanisms, Java Security is the in-depth exploration you need.*Java Security,* 2nd Edition, focuses on the basic platform features of Java that provide security--the class loader, the bytecode verifier, and the security manager--and recent additions to Java that enhance this security model: digital signatures, security providers, and the access controller. The book covers the security model of Java 2, Version 1.3, which is significantly different from that of Java 1.1. It has extensive coverage of the two new important security APIs: JAAS (Java Authentication and Authorization Service) and JSSE (Java Secure Sockets Extension). *Java Security,* 2nd Edition, will give you a clear understanding of the architecture of Java's security model and how to use that model in both programming and administration.The book is intended primarily for programmers who want to write secure Java applications. However, it is also an excellent resource for system and network administrators who are interested in Java security, particularly those who are interested in assessing the risk of using Java and need to understand how the security model works in order to assess whether or not Java meets their security needs.

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Editorial Review

Amazon.com Review
Scott Oakes' *Java Security* is extraordinary both for its technical depth and its readability. It provides the Java programmer with a complete overview of the Java security architecture and security classes, plus a wealth of detailed information and code examples for specific implementations. The book opens with a clear discussion of what Java security is, how the various Java sandbox models work, and how Java applications and applets execute within the security model. The following chapters look in depth at the elements of the Java security architecture: language rules, class loaders, the security manager, the access controller, and permission objects. All these chapters provide detailed information on implementation, as well as an excellent explanation of the role of each feature within the entire security picture. The second half of the book covers cryptographic features in the Java security package (much enhanced in Java 1.2) and how Java programs work with code that performs authentication and encryption. Here, you'll find detailed chapters on message digests, keys and certificates, key management, digital signatures, and the Java Cryptography Extensions. Anyone who needs to understand Java security, but especially those who will implement security features in Java applications, will want to own this book.

Review
'This is a great book about Java Security. If you are a Java programmer who want to write secure applications or a system administrator, you should read this book'. Evgeny Gesin, JavaDesk, Israel.

About the Author

Scott Oaks is a Java Technologist at Sun Microsystems, where he has worked since 1987. While at Sun, he has specialized in many disparate technologies, from the SunOS kernel to network programming and RPCs. Since 1995, hes focused primarily on Java and bringing Java technology to end-users. Scott also authored OReillys Java Security, Java Threads and Jini in a Nutshell titles.

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