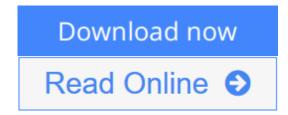# RFID Essentials (Theory in Practice (O'Reilly))

By Bill Glover, Himanshu Bhatt

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Radio Frequency Identification (RFID) or Near Field Communication (NFC) are rapidly changing the way businesses track inventory and assets. From Wal-Mart and Tesco to the U.S. Department of Defense, early efforts are already showing benefits, but software, integration, and data processing for RFID still present a challenge. If you are a developer or an architect charged with developing an RFID system, this book is for you. Drawing on extensive experience, Bill Glover and Himanshu Bhatt provide you with essential information on this emerging technology.

With the knowledge you gain in these pages, you will possess the information and understanding you need to start designing, building, or integrating with RFID systems.

In *RFID Essentials* you will find information on:

- Tags and tag protocols, including the Electronic Product Code (EPC)
- Readers and reader protocols
- RFID middleware
- Security and privacy
- Managing RFID devices
- RFID's impact on your architecture

"The Information Age is over. We're entering an era where network connectivity is almost ubiquitous - it's participate or perish." --Jonathan Schwartz, President and COO, Sun Microsystems, Inc. "Unique competitive advantage erupts from enterprises that couple the RFID technologies laid out in RFID Essentials with modern business integration using service-oriented architectures. This is the book to read in order to understand this new landscape."

--Mark Bauhaus, Senior Vice President, Sun Microsystems, Inc.

"This is a must read for RFID Software and Solution architects and is highly recommended for anyone needing to gain more insight into the myriad of components, standards and technologies that make up an RFID solutions environment."

--Bryan Tracey, Chief Architect, GlobeRanger Corporation

"The authors have done a commendable job of covering a lot of ground in the RFID space, including the infrastructure needed to share the volumes of data RFID will likely generate."

--Graham Gillen, Senior Product Manager, VeriSign

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Editorial Review

Review
The Information Age is over. We're entering an era where network connectivity is almost ubiquitous - it's participate or perish. -- *Jonathan Schwartz, President and COO, Sun Microsystems, Inc.*

About the Author
Himanshu Bhatt heads the U.S. RFID Practice and Software Technology Lab for Sun Microsystems, Inc. Prior to assuming this role, Himanshu was responsible for business development and consulting in emerging areas of technology. Himanshu has over 16 years of experience in the architecture and development of distributed, multitier systems using a host of technologies for Fortune 1000 companies. Himanshu has spoken at industry conferences such as JavaOne and the LoneStar Symposium and has published articles on Java/J2EE technologies.

Bill Glover has been writing software since 1981 and has worked as a programmer, lead developer, or architect on systems of all sizes, from small, automated systems controlling dams and feedmills up to a complete redesign and reimplementation of one of the world's busiest travel web sites. Bill first worked with RFID in 1995, tracking individual cattle using ear tags. He is currently a Senior Java Architect with Sun Microsystems, Inc., and works with Sun's RFID consulting practice and the RFID Test Center.

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