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   Collana   Community Experience Distilled

   Disciplina   005.114

   Soggetti   Scala (Computer program language)
                       Multiparadigm programming (Computer science)

   Lingua di pubblicazione   Inglese

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   Note generali   Includes index.

   Nota di contenuto   Cover; Copyright; Credits; Foreword; About the Author;
                       Acknowledgments; About the Reviewers; www.PacktPub.com; Preface;
                       Chapter 1: Programming Interactively within Your Project; Advantages
                       of using Scala for Java projects; More concise and expressive; Increased
                       productivity; Natural evolution from Java; Better fit for asynchronous
                       and concurrent code; Learning Scala through the REPL; Declaring
                       val/var variables; Defining classes; Explaining case classes; Operations
                       on collections; Transforming collections containing primitive types;
                       Collections of more complex objects; Filter and partition
                       Dealing with tuplesIntroducing Map; Introducing the Option construct;
                       A glimpse at pattern matching; The map method; Looking at String
                       Interpolation; The groupBy method; The foldLeft method; Summary;
                       Chapter 2: Code Integration; Creating a REST API from an existing
                       database; The sample database; Setting up a Maven project; Creating
                       JPA entities and REST web service; Running and testing the project;
                       Adding a test in Scala; Setting up Scala within a Java Maven project;
                       Scala and Java collaboration; Converting between collection types;
                       JavaBean-style properties; Scala and Java object orientation
                       Scala traits as enhanced Java interfacesDeclaring objects; Introducing
                       companion objects; Handling exceptions; Differences in style between
                       Java and Scala code; Adjusting the code layout; Naming conventions;

Sommario/riassunto	This step-by-step guide is full of easy-to-follow code taken from real-world examples explaining the migration and integration of Scala in a Java project. If you are a Java developer or a Java architect, working in Java EE-based solutions and want to start using Scala in your daily programming, this book is ideal for you. This book will get you up and running quickly by adopting a pragmatic approach with real-world code samples. No prior knowledge of Scala is required.