Programming Groovy 2: Dynamic Productivity for the Java Developer (Pragmatic Programmers)

By Venkat Subramaniam

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Groovy brings you the best of both worlds: a flexible, highly productive, agile, dynamic language that runs on the rich framework of the Java Platform. Groovy preserves the Java semantics and extends the JDK to give you true dynamic language capabilities. *Programming Groovy 2* will help you, the experienced Java developer, learn and take advantage of the latest version of this rich dynamic language. You'll go from the basics of Groovy to the latest advances in the language, including options for type checking, tail-call and memoization optimizations, compile time metaprogramming, and fluent interfaces to create DSLs.

You don't have to leave the rich Java Platform to take advantage of Groovy. Groovy preserves Java's semantics and extends the JDK, so programming in Groovy feels like the Java language has been augmented; it's like working with a lighter, more elegant Java. If you're an experienced Java developer who wants to learn how Groovy works, you'll find exactly what you need in this book.

You'll start with the fundamentals of programming in Groovy and how it works with Java, and then you'll explore advanced concepts such as unit testing with mock objects, using Builders, working with databases and XML, and creating DSLs. You'll master Groovy's powerful yet complex run-time and compile-time metaprogramming features.

Much has evolved in the Groovy language since the publication of the first edition of *Programming Groovy*. *Programming Groovy 2* will help you learn and apply Groovy's new features. Creating DSLs is easier now, and Groovy's already-powerful metaprogramming facilities have improved even more. You'll see how to work with closures, including tail call optimization and memoization. The book also covers Groovy's new static compilation feature.

Whether you're learning the basics of the language or interested in getting proficient with the new features, *Programming Groovy 2* has you covered.

What You Need

To work on the examples in the book you need Groovy 2.0.5 and Java JDK 5 or higher.

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Editorial Review

About the Author

Dr. Venkat Subramaniam is an award-winning author, founder of Agile Developer, Inc., and an adjunct faculty at the University of Houston. He has trained and mentored thousands of software developers in the US, Canada, Europe, and Asia, and is a regularly invited speaker at several international conferences. He's (co)author of multiple books, including the 2007 Jolt Productivity award winning book Practices of an Agile Developer.

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