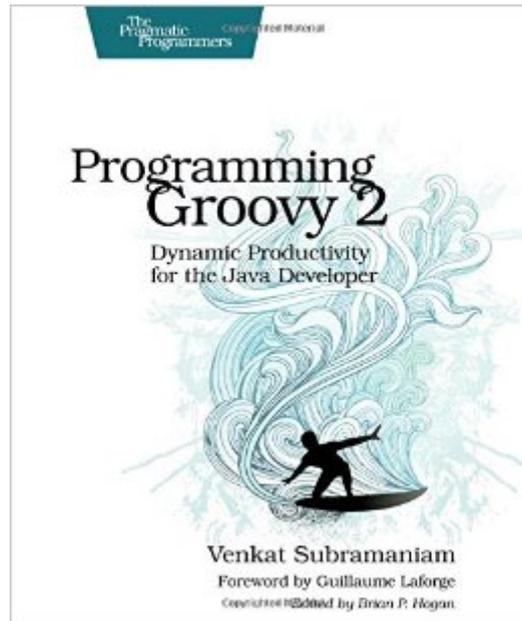# Programming Groovy 2: Dynamic Productivity For The Java Developer (Pragmatic Programmers)

Synopsis

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

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Customer Reviews

I'm new to Groovy but an experienced J2EE developer. The reason I bought this book was to address the lack of unit testing in our organization and the author highlights the benefits of unit testing with Groovy. The author says if nothing else write all your unit tests with Groovy just to stay sharp and well practiced, but leave Java for your main application if you have to.I really enjoyed the humor in the book and the analogies by the author. At times I busted out laughing while reading this book. For example did you know an XML document is like a puppy. It's cute and fun to play with when its little, but when it grows up and gets bigger, its annoying. That's spot on and the authors humor is laced throughout the book.Very good read and I know enough about Groovy from this book to get started.

I've been coding in Groovy for ~4 years. At first i thought this book wouldn't have a lot of new stuff to me, but it probably had some good practices and patterns, helping me polishing my code.The result is i was very impressed. The book is not only high quality material, but it covers a lot of stuff i wanted to learn. I couldn't recommend more the AST, Tests, Metaprogramming and DSL chapters, and the rest of the book is very good, providing a lot of info on common Groovy practices and gotchas.Highly recommended.

I came across learning groovy in August 2013.I decided to read this book, because I was not having any other choice(it was the only book covering Groovy 2 that time).I started reading this book and couldn't put it down, I am thoroughly impressed and do not regret my decision.This book is perfectly written, is divided into 4 parts.-- Beginning Groovy: Covering complete overview of Groovy. Closures are nicely explained.-- Using Groovy : I found this part most useful to be used in side projects.-- MOPping Groovy and ---Using MetaProgramming : These parts cover the advanced concepts of Groovy Mop,Method injection,how ExpandoMetaclass works,intercepting methods ,compile time metaprogramming and much more.Metaprogramming is covered in a good great depth. This is kind of practical book,explained thoroughly with nice working examples.It actually helped me in

understanding Groovy from scratch to depth and becoming productive.I would strongly recommend it to anyone who is interested in Groovy.

I've seen Venkat speak, and he is not only an excellent speaker, but an excellent writer as well, and this book is no exception.As a disclaimer, I have tweeted directly with him, as we have a difference of opinion regarding the viability of functional languages.However the last time I tried to tweet Venkat, I found he had unsubscribed from my tweet account, or did something that made it impossible to tweet him. Probably for a good reason.However this book is excellent, and since Groovy is the fastest growing general purpose programming language, I highly recommend it. If you've been stuck coding in C# or Java, you're going to love Groovy.And if you are a member of a local user group, see if you can get Venkat to give a talk. I saw both Venkat and Oracle give a "Java next version" talk, and Venkat's was 100% better.

This book is a bit dated but it does a very good job of explaining the Groovy language. It is very well written and the examples are clear and easy to follow. As with any book on programming, you can't just read it. You need to go through the examples and write them out and run them to get the most out of it.

Typical language reference touching on many features of the language. Well organized and well written. I keep it in reach while programming. Groovy is having a resurgance since, with version 2, the performance issues have been resolved. If your looking for a language with closures, and you need to live in the java eco system this reference is for you. Get a free community copy of IntelliJ IDEA 13 and you have everything you need to try it out. If you know java, groovy will feel like java on steroids. More problem solving, less boilerplate.

My initial expectation to buy this book is just finding a little book about Groovy 2, which there is only this one at the time. The content in the book is in suitable size, but a lot of comprehensive and practical examples. After reading this book, you will be encouraged to use Groovy in your existing Java projects or the initiative projects with Groovy in real works.

I rejected Groovy for years. Sorry. I did not know all things a programmer can do with it!I'm tired of POJO, looking for something else can improve my Java programs. Dynamic programming is one of them!

Programming Groovy: Dynamic Productivity for the Java Developer (Pragmatic Programmers) Programming Groovy 2: Dynamic Productivity for the Java Developer (Pragmatic Programmers) Java: The Ultimate Guide to Learn Java and Python Programming (Programming, Java, Database, Java for dummies, coding books, java programming) (HTML, ... Developers, Coding, CSS, PHP) (Volume 3) Java: The Simple Guide to Learn Java Programming In No Time (Programming,Database, Java for dummies, coding books, java programming) (HTML,Javascript,Programming,Developers,Coding,CSS,PHP) (Volume 2) JAVA: JAVA in 8 Hours, For Beginners, Learn Java Fast! A Smart Way to Learn Java, Plain & Simple, Learn JAVA Programming Language in Easy Steps, A Beginner's Guide, Start Coding Today! Groovy Joe: Ice Cream & Dinosaurs (Groovy Joe #1) 3D Game Programming for Kids: Create Interactive Worlds with JavaScript (Pragmatic Programmers) Programming Clojure (Pragmatic Programmers) Programming Ruby 1.9 & 2.0: The Pragmatic Programmers' Guide (The Facets of Ruby) Practical Programming: An Introduction to Computer Science Using Python 3 (Pragmatic Programmers) Pragmatic Guide to Git (Pragmatic Guides) The iOS 5 Developer's Cookbook: Core Concepts and Essential Recipes for iOS Programmers (3rd Edition) (Developer's Library) Java Programming for Kids: Learn Java Step By Step and Build Your Own Interactive Calculator for Fun! (Java for Beginners) Web Design for Developers: A Programmer's Guide to Design Tools and Techniques (Pragmatic Programmers) Seven Concurrency Models in Seven Weeks: When Threads Unravel (The Pragmatic Programmers) The Agile Samurai: How Agile Masters Deliver Great Software (Pragmatic Programmers) The Cucumber Book: Behaviour-Driven Development for Testers and Developers (Pragmatic Programmers) Java in a Nutshell: A Desktop Quick Reference for Java Programmers (In a Nutshell (O'Reilly)) Java in a Nutshell: A Desktop Quick Reference for Java Programmers (Nutshell Handbooks) Java Artificial Intelligence: Made Easy, w/ Java Programming; Learn to Create your * Problem Solving * Algorithms! TODAY! w/ Machine Learning & Data ... engineering, r programming, iOS development)