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# Getting Started with SBT for Scala

Equip yourself with a high-productivity work environment using SBT, a build tool for Scala

Shiti Saxena

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# Getting Started With Sbt For Scala Saxena Shiti

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Development Richard Johnson, 2025-06-20 Practical SBT for Modern Scala Development Practical SBT for Modern Scala Development is a comprehensive guide that empowers Scala developers to master every facet of the Simple Build Tool SBT the backbone of modern Scala project builds Starting with a foundational overview of SBT's architecture internal model and core abstractions the book gradually unfolds the intricacies of project scoping advanced build definitions and the essential principles of incremental builds Through detailed explanations and practical examples readers gain both a solid theoretical grounding and actionable techniques for configuring interacting with and automating SBT in real world scenarios Designed for both individual practitioners and large engineering teams the book delves deep into advanced topics such as multi project layouts cross compilation strategies high efficiency build performance and sophisticated dependency management including security and supply chain resilience It covers the art of creating reusable build modules integrating with external tools and CI/CD pipelines and extending SBT with custom tasks AutoPlugins and dynamic task composition The chapters on testing and quality assurance ensure teams can maintain rigorous standards leveraging modern frameworks static analysis and automated quality gates Bringing a production ready perspective Practical SBT for Modern Scala Development leads readers through best practices for packaging artifact publishing and enterprise grade build promotion supported by in depth explorations of performance engineering and incremental compilation The book's closing sections tackle real world troubleshooting effective migration strategies ecosystem integration and emerging trends in Scala's build tool landscape equipping readers to adapt innovate and excel amidst the evolving challenges of contemporary Scala development

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comfortable reading Scala code No experience with sbt required About the Authors Josh Suereth is an engineer at Typesafe and the author of Manning s Scala in Depth Matthew Farwell is a senior developer and the author of the Scalastyle style checker Table of Contents PART 1 WHY SBT Why sbt Getting started PART 2 UNDERSTANDING SBT S CORE CONCEPTS Core concepts The default build PART 3 WORKING WITH SBT Testing The IO and Process libraries Accepting user input Using plugins and external libraries Debugging your build PART 4 EXTENDING SBT Automating workflows with commands Defining a plugin PART 5 DEPLOYING YOUR PROJECTS Distributing your projects     Sbt in Action Josh Farwell,2015 A tutorial about effectively building Scala projects this book introduces the sbt tool with a simple project that establishes the fundamentals of running commands and tasks Next it shows you how to use the peripheral libraries in sbt to make common tasks simpler Finally it covers how to deploy software effectively You ll learn to appreciate how sbt improves the process of developing software not just running builds About the Technology sbt is a build tool native to Scala that can transform any build scenario into a streamlined automated and repeatable process Its interactive shell lets you customize your builds on the fly and with sbt s unique incremental compilation feature you can update only the parts of your project that change without having to rebuild everything Mastering sbt along with the right patterns and best practices is guaranteed to save you time and trouble on every project About the Book sbt in Action first and foremost teaches you how to build Scala projects effectively It introduces the sbt tool with a simple project that establishes the fundamentals of running commands and tasks Next it shows you how to use the peripheral libraries in sbt to make common tasks simpler Along the way you ll work through real projects that demonstrate how to build and deploy your projects regardless of development methodology or process What s Inside Master sbt s loosely coupled libraries Effectively manage dependencies Automate and simplify your builds Customize builds and tasks About the Reader Readers should be comfortable reading Scala code No experience with sbt required About the Authors Josh Suereth is an engineer at Typesafe and the author of Manning s Scala in Depth Matthew Farwell is a senior developer and the author of the Scalastyle style checker

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