

Table of Contents

sbt

3

sbt

<https://www.scala-sbt.org/>

The interactive build tool. Define your tasks in [Scala](#). Run them in parallel from sbt's interactive shell.

Snippet from [Wikipedia: Sbt \(software\)](#)

sbt (originally **Simple Build Tool**, nowadays often believed to stand for **Scala Build Tool** or used as its own proper name) is an open-source build tool created explicitly for Scala and Java projects. It aims to streamline the procedure of constructing, compiling, testing, and packaging applications, libraries, and frameworks. **sbt** is highly adaptable, permitting developers to customize the build process according to their project's specific needs.

sbt provides a wide range of features to make the process of building and managing Scala projects easy and efficient. Some of the key features include:

- **Dependency management:** Through its capacity to automatically download and handle project dependencies, **sbt** facilitates the usage of external libraries and frameworks.
- **Incremental compilation:** **sbt** can recompile only parts of the code that have changed, resulting in significant time-saving during the development cycle.
- **Customizable build process:** **sbt** is highly customizable, allowing developers to define custom build settings and configure the build process to align with the unique requirements of their projects.
- **Plugin ecosystem:** **sbt** boasts a plugin ecosystem that enhances its functionality, incorporating extra features such as code quality checks, deployment automation, and test coverage reports. The development and integration of new plugins is fully supported and encouraged.
- **Continuous compilation and testing:** With **sbt**, developers can set the system to automatically recompile and rerun tests whenever a source file is altered.
- **Multi-project builds:** For developers working on multiple Scala projects, **sbt** offers helpful features to manage them within a single build.
- **Interactive shell:** **sbt** comes equipped with an interactive shell, providing developers with a convenient method to execute tasks and commands throughout the development process.
- **Parallel task execution:** **sbt** can execute tasks in parallel, speeding up build times for large projects.
- **Integration with IDEs:** To optimize the development experience, **sbt** integrates smoothly with popular Integrated Development Environments (IDEs), such as IntelliJ IDEA and Visual Studio Code.

sbt is the *de facto* build tool in the Scala community, used, for example, by the Scala 2 and Scala 3 compilers themselves, Play Framework, and Lichess, a popular chess server. The **sbt** project is "bootstrapped" — it uses **sbt** to build itself and considers dogfooding a positive feature.

[Creative Commons Attribution-Share Alike 4.0](#)

[tool](#), [programming](#), [devopscreate](#)

From:

<https://almbok.com/> - **ALMBoK.com**

Permanent link:

<https://almbok.com/tools/sbt>

Last update: **2022/08/10 06:09**

