

# 2023 Q2 Activity Report and Q3 Roadmap

Advisory Board Meeting, 26th of July 2023



# Agenda

- Report on what we did so far, and where we sit with respect to our roadmap for 2023
- Remind the mission of the Scala Center in the following areas
  - Language, compiler, standard library
  - Communication, education
  - Developer experience
  - Community, contributor experience



# Language, Compiler, Standard Library

- Core tools that are involved in the workflow of all the Scala developers
- Our mission
  - Reduce the number of bugs in the compiler
  - Make sure they evolve in a way that takes into account the needs of the community
  - Help the community contribute to these tools



# Language, Compiler, Standard Library

Clarify and communicate the Scala 3 roadmap	Done
Fix bugs in the Scala 3 compiler	Doing
Run the Scala Improvement Process	Doing
Bring the compiler's suggestions into the IDEs (aka "structured diagnostics")	In progress
Publish a formal specification for Scala 3 (stretch goal)	In progress
Unfreeze the standard library	No progress
Make the compiler error messages clearer and more actionable	Not started



# Documentation and Education

- Scala website, documentation, MOOCs
- Our mission
  - Simplify the structure and content of the website
  - Create and maintain high-quality educational content
  - Help the community to contribute to the websites



# Documentation and Education

Modernize the Scala.js developer experience (stretch goal)	Done (Q1)
Add “task-oriented” content to the documentation	Done
Improve the content of the course Effective Programming in Scala	Done
Improve the Scala landing page (stretch goal)	Done
Maintain the Scala websites	Doing
Improve the quality of the documentation (stretch goal)	Some progress



## scala-lang.org reachability (SCP-031)

- Since ~half a year, all the [\\*.scala-lang.org websites were unreachable from some VPNs](#)
- These websites are hosted on EPFL servers, and EPFL made their security policy stricter, leading to blocking anonymous VPNs
- Lukas and Seth (Lightbend) created a [Scala Center Proposal](#) one month ago
- Two weeks ago, we deployed a new infrastructure that uses a reverse proxy in front of the EPFL network, fixing the reachability issue
- We published a [blog article](#) about the change



# Developer Experience

- Edit, analyze, navigate through, transform, compile, run, and debug Scala programs
- Our mission
  - Make sure the involved toolchain is as easy to use as possible, works reliably, and boosts productivity





# Developer Experience

Tooling Summit	Done (Q1)
Fix the Maven coordinates of sbt plugins (stretch goal)	Done
Untie Metals releases from Scala 3 releases	Done
Fix issues in sbt, Coursier, bloop, Metals, etc.	Doing
Secure the sbt community repository (stretch goal)	In progress
Improve the Scala debugger (stretch goal)	In progress
Streamline the “project import” scenario in IDEs	Some progress
Improve the Scala 3 support on all the IDEs	Some progress
Make Scala more beginner-friendly to install	No progress



# Secure the sbt community repository (SCP-029)

- <https://repo.scala-sbt.org> uses the JFrog platform to provide
  - sbt plugins published before 2021
  - .deb and .rpm packages of sbt releases
- In April this year, our JFrog subscription expired, causing an outage
- Eugene submitted a Scala Center Proposal, which you approved last time
- We identified which plugins were the most used, and we (with help from the community) migrated them to Sonatype
- We set up a backup server that we could switch to in case there is another outage
- Next step: we will change the way to publish .deb and .rpm packages of sbt releases to not depend on JFrog for that



# Community, Contributor Experience

- All the work done by the community (thousands of libraries, events)
- Our mission
  - Create the best environment for the emergence of such libraries or events



# Community, Contributor Experience

Publish TASTy-MiMa	Done (Q1)
Organize the Scala Days program	Done (Q1)
sbt license transfer (stretch goal)	Done
Run contributors mentorship programs (Compiler Academy and Google Summer of Code)	Doing
Fix issues in Scaladex	Doing
Support Scala CLI in Scastie	In progress
Privacy policy in Scastie (stretch goal)	In progress
Publish interviews from Scala contributors (stretch goal)	In progress

# Goodbye