

Scala Days 2016 Overview

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Summary

- 2.12 Release
- Dotty
- New Tooling
- Scala Center
- Spark 2.0 Preview
- Scala JS
- Scala Native

Scala 2.12 Release

- Details in @odersky [Key Notes](#)
- [All you want to know about Futures in Scala 2.12](#)
- [Strategic Scala Style: Principle of Least Power](#)

DOTTY

What is Dotty ?: New Scala Compiler

Why?:

- Brings scala close to Bare metal
- Bit more than half the size of current Scala compiler
- Twice the speed of nsc (Current Scala compiler). Lot more oppornity ahead.
- Dotty plugin for Intelij IDE only

New Tooling

- Package Index - ScalaDex
- ScalaFiddle
- Sip/Slip Process
- ScalaBlitz
- Shapeless
- Scalameta (Replacement for Macros)
- Scalafmt
- Scala-reflect
- Doc generation with dynamic linking for cross linking libraries

Scala Center

More Details in @heathercmiller [Key Notes](#)

Main Focus:

- Open Source Community
- Education

For the good of all
Open source

MUCH CAN BE IMPROVED!
The Scala Center seeks to:

- Improve the landscape of Scala's libraries.
- Substantially grow our community of open source contributors.
- Coordinate and direct the **open source** development of libraries/tools of broad benefit to the community.
- Provide scaffolding to help community develop, publish, find, and evaluate Scala libraries.

For the good of all
Education

THE COURSES:

1. Functional Programming Principles in Scala
TAUGHT BY: **MARTIN ODERSKY**

2. Functional Program Design in Scala
TAUGHT BY: **MARTIN ODERSKY**
GUEST LECTURER: **ERIK MEIJER**

NEW **3.** Parallel Programming
TAUGHT BY: **VIKTOR KUNCAK, ALEKSANDAR PROKOPEC**

NEW **4.** Big Data Analysis in Scala and Spark
TAUGHT BY: **HEATHER MILLER**

Spark 2.0 Preview

Scala JS

Scala Native

Session slides & Resources

- Martin Odersky Keynote
- Heather Miller Keynote
- Matei Zaharia Keynote (Couldn't find slides)
- Precise Types bring Performance
- Why the free Monad isn't free
- Scala Native
- Lightbend Lagoom
- Finagle under the hood
- Being creative with Genetic Algorithms
- Data in Motion: Streaming static Data Efficiency
- Slick Event Sourcing

Session slides & Resources (Cont.)

- [Meta Programming 2.0](#)
- [Poweramp Microservices at iHeartRadio](#)
- [Distributed Real-Time Stream Processing: Why and How 2.0](#)
- [Domain Driven Design and Onion Architecture in Scala](#)
- [The Structure of Programming Revolutions](#)
- [Dotty Linker: Precise Types Bring Performance](#)
- [This Week in #Scala](#)

- **DZone: Scala Days NYC 2016: Highlights**

Thanks