

Scala2 => Scala3

(a live coding session)

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<https://github.com/hermannhueck/migration-scala2-scala3>

Abstract

In this live coding presentation I am taking some Scala 2 code samples and migrate them to Scala 3 – explaining a bunch of new features along the way.

Features to cover during the session (1/2)

- » Top Level *def*'s and *val*'s
- » Indentation / Optional Braces
- » New Control Syntax
- » Main Methods
- » Constructor invocations w/o *new*
- » Enums and ADTs
- » Opaque Type Aliases
- » Extension Methods

Features to cover during the session (2/2)

- » Givens – The new Implicits
- » Typeclasses
- » Type Lambdas
- » Intersection Types
- » Union Types
- » Explicit Nulls
- » Strict/Multiversial Equality
- » Using Scala 2 libraries in Scala 3 programs

Resources

Links

- » This presentation: code and slides
<https://github.com/hermannhueck/migration-scala2-scala3>
- » Other presentation (much more detailed for the different features): code and slides
<https://github.com/hermannhueck/taste-of-dotty>
- » Dotty/Scala 3 Documentation
<https://dotty.epfl.ch/docs/>

Talks

- » Martin Odersky at ScalaSphere Krakow: Revisiting Implicits (published October 2019)
<https://www.youtube.com/watch?v=h4dS5WRGJtE>
- » Nicolas Stucki at ScalaDays Lausanne: Metaprogramming in Dotty (published July 2019)
https://www.youtube.com/watch?v=ZfDS_gJyPTc
- » Guillaume Martres at ScalaDays Lausanne: Future proofing Scala through TASTY (published July 2019)
<https://www.youtube.com/watch?v=zQFjC3zLYwo>
- » Guillaume Martres at ScalaWorld GB: Scala 3, Type Inference and You! (published September 2019)
<https://www.youtube.com/watch?v=lMvOykNQ4zs>

More Talks

- » Lukas Rytz at ScalaDays Lausanne: How are we going to migrate to Scala 3.0, aka Dotty? (published July 2019)
<https://www.youtube.com/watch?v=KU11lcf0b8>
- » Sébastien Doeraene at ScalaSphere Krakov: How will TASTy affect the Scala ecosystem, exactly? (published January 2020)
https://www.youtube.com/watch?v=_N7zNhLdB1Y
- » Josh Suereth & James Ward at Devovx Belgium: What's coming in Scala 3 (published November 2019)
<https://www.youtube.com/watch?v=Nv-BzYOMiWY>
- » Jamie Thompson at f(by) 2020:
Taste the difference with Scala 3: Migrating the ecosystem and more (published February 2020)
<https://www.youtube.com/watch?v=YQmVrUdx8TU>

Thank You !

Questions ?

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<https://github.com/hermannhueck/taste-of-dotty>