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# Scala.meta compiler plugin

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# 1. What is Scala metaprogramming?

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- AST transformations
  - Runtime: `scala.reflect / scala.meta`
  - Compile: `scala.experimental.macros / annotations(paradise plugin)`

## 2. Scala.meta

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- Simplified API - magnitude easier than scala.reflect
- Syntax ops only\*
- Compiler interop via Paradise plugin

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DEPRECATED

### 3. // TODO: rewrite paradise plugin

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- Existing one has been poorly designed
  - ~80% of code - restoring compiler trees
  - Heavily relies on internal scalac API - hard to maintain
- Alternative approach: cut down on compiler interop
  - Parse with meta - no need for tree converter
  - Simplify annotation declarations

# 7. Requirements

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- Java / Scala
- Compiler / Language design knowledge is a plus

# Teh end

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