

scala for spark in one slide

Spark is written in scala - no extra language API libraries or wrappers needed

Runs on the Java Virtual Machine. Interoperates with Java and is converted to Java.

Integrated Object Oriented and Functional Programming

- Data is generally immutable (val). Great for spark programming model!

- Anonymous functions

Statically Typed

- Types checked at compile-time

- Convenient Type Inference for shorter code

Implicit Type Conversion

- If a method is not found for your object, it will be converted to an object which does have that method. Example: RDD methods and PairRDD methods.

Case Class

- convenient Serializable object with override methods such as 'equals', 'hash' and 'toString'.