

Scala : Getting Started



Introduction

Justin Pihony
<http://justin-pihony.blogspot.com>
@JustinPihony



pluralsight 
hardcore dev and IT training

Java

```
public class Animal{  
    private final String name;  
    public Animal(String name){  
        this.name = name;  
    }  
    public String getName(){  
        return name;  
    }  
}
```

Scala

```
case class Animal(name: String)
```



Course Structure

[my text comment]

- **Module 1: Getting started**
 - Scala background
 - Installation, the REPL, and basic syntax
- **Module 2: Building blocks**
 - sbt and ScalaTest
 - Scala basics and de-crufting code
- **Module 3: Diving for data**
 - I/O and Regex
- **Module 4: Final product and points of interest**
 - Scalability, documentation, and final tips

Scala History

Martin Odersky creates Scala

~~Typesafe founded~~

~~Version 1.0~~

~~Version 2.0~~

~~Version 2.10.4~~

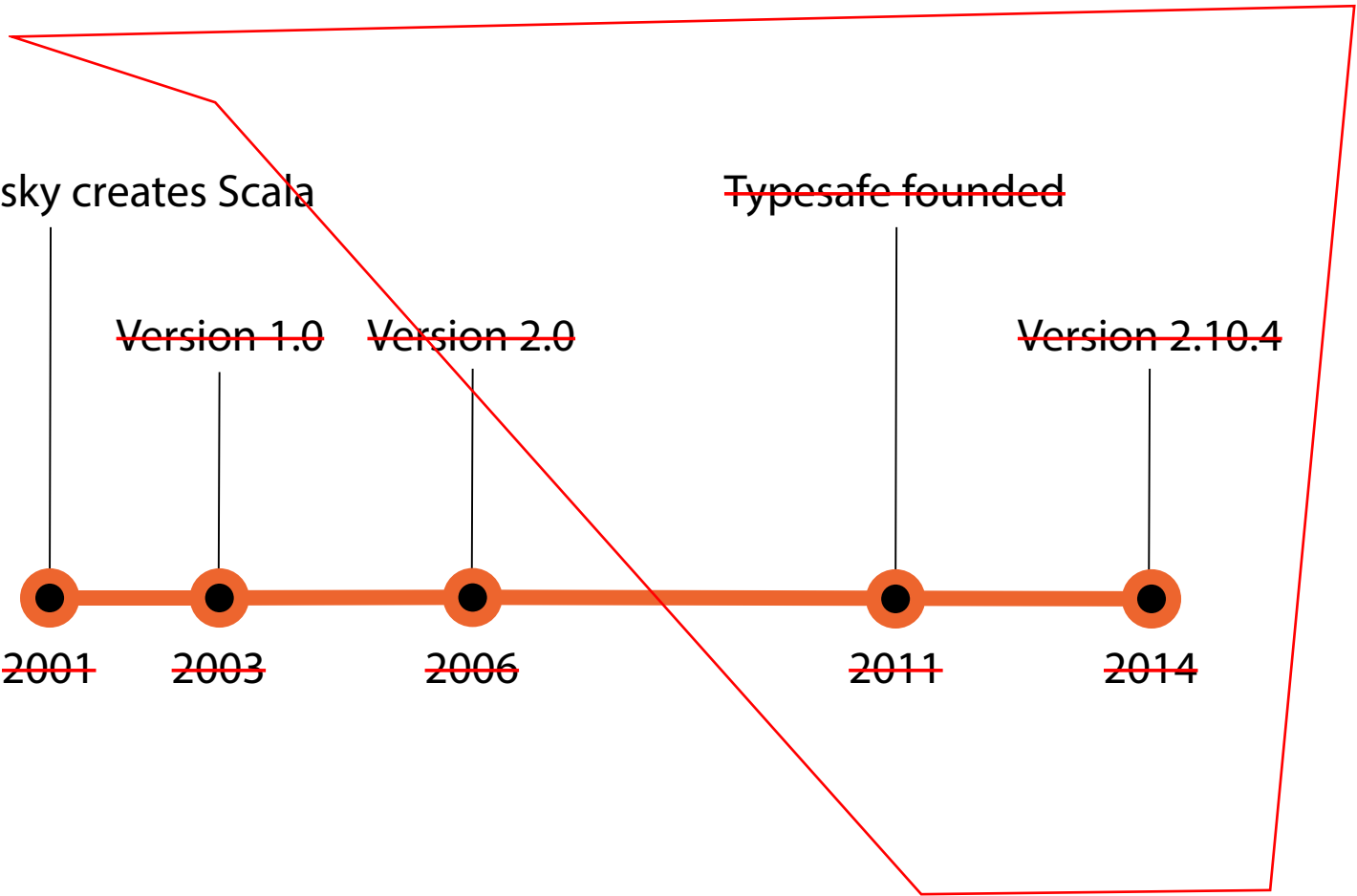
~~2001~~

~~2003~~

~~2006~~

~~2011~~

~~2014~~





A stable foundation for your application



— <http://www.typesafe.com/how/subscription>

Why Scala?

- **Concise and expressive**
 - Code == Liability
- **Java interoperability**
- **Reactive**
 - Scalable
 - Resilient
 - Responsive
 - Event-driven

Something

Installation

- **Scala framework**

- JRE

- **Scala IDE**

- JDK 6+

- **sbt**



REPL

- Read
- Evaluate
- Print
- Loop

```
> 1 + 1 ...
```

```
2
```

```
>
```


Summary

- What and why Scala?
- Simple installation
- Basic syntax
- Expression-oriented code