

# Introduction to **spray**

Fast REST APIs in Scala

# Bird's view

- Focus on REST / HTTP service layer
- 100% Scala & Akka
- Event based & non blocking
- Full HTTP stack
- Optimized for high load (100k+ open connections)

# Main modules

Service DSL: HTTP => Service

spray.routing

HTTP stack: TCP => HTTP

spray.can

IO stack: java nio => events

spray.io / akka.io

java.nio



# Does it perform?

Source: TechEmpower Web Frameworks Benchmarks  
(round 5)

# Plus

- Not a framework: embeddable library
- No XML configuration involved
- Addictively terse and expressive
- Type safe, immutable
- Great performance
- Easy to extend
- Testable

# Minus

- Still no firm 1.0 release
- Incomplete documentation
- Sometimes, byzantine debugging experience
- Event based IO api, so GC pressure in the same ballpark as Netty3

# Other components

- spray-servlet
- spray-caching
- spray-client
- spray-testkit
- spray-json

# Thank you!

- Contact:

julien.letrouit@tritondigital.com

@jletroui

- Sample code + slides:

[github.com/jletroui/sprayprez](https://github.com/jletroui/sprayprez)