

Introduction to **spray**

Fast REST APIs in Scala

Bird's view

- Focus on REST / HTTP API (not web UI)
- 100% Scala & Akka
- Non blocking
- Full HTTP stack (including web sockets)
- Optimized for high load (100k+ open connections)

Main modules

Service DSL: HTTP => Service

spray.routing

HTTP stack: TCP => HTTP

spray.can

IO stack: IO => Events

spray.io / akka.io

java.nio



Does it perform?

Source: TechEmpower Web Frameworks Benchmarks
(round 5)

Plus

- Not a framework: modular libraries
- Addictively terse and expressive
- No XML configuration involved
- 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

Use cases

- SOA / service layer
- Akka application

Thank you!

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- Sample code + slides:
- github.com/jletroui/sprayprez
- We're hiring: www.tritondigital.com/about-us/careers

