

introduction to  
**SPRAY.IO**

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# SPRAY.IO

- Works on top of Scala and Akka
- Lightweight multithreaded server (spray-can)
- Actors based
- It's a library, not a framework

Clone an empty spray.io based app

Launch sbt and the server

There is an empty actor in:

Your tests are in:

```
% git clone git://github.com/spray/spray-template.git example
```

```
% cd example && sbt
```

```
% sbt
```

```
> test
```

```
> re-start
```

```
% more src/main/scala/com/example/MyService.scala
```

```
% more src/test/scala/com/example/MyServiceSpec.scala
```

Actor

```
class MyServiceActor extends Actor with MyService {  
  def actorRefFactory = context  
  def receive = runRoute(myRoute)  
}
```

Router

```
trait MyService extends HttpService {  
  
  val myRoute =  
    path("api/ping"){  
      get {  
        complete {  
          "PONG!"  
        }  
      }  
    }~  
    path("") {  
      get {  
        complete {  
          "HOME"  
        }  
      }  
    }  
}
```

Add dependencies on build.sbt

Import spray.json

Add a route to serve JSON data

```
libraryDependencies += "io.spray" %% "spray-json" % "1.2.5"
```

```
import spray.json._  
import DefaultJsonProtocol._
```

```
path("api" / "balls") {  
  get {  
    complete {  
      List(1,2,3,4,5).toJson.toString  
    }  
  }  
}
```

<https://github.com/spray/sbt-revolver>

sbt plugin to automatically reload the server  
at every code change

Add dependencies on build.sbt

Run the server

```
libraryDependencies += "io.spray" % "sbt-revolver" % "0.7.1"
```

```
% sbt
```

```
> ~re-start
```

THANK YOU

Q/A

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