

Spring Boot

Frameworks To Support Cloud Native

Spring

#1 Enterprise Java
App Framework

Netflix

Open Source

Spring Boot

Quick Start

Little to no config

Opinionated View

Spring Cloud

Distributed Config
Service Registration
and Discovery
Routing/Load
Balancing
Service Integration
Fault Tolerance

Spring Boot

- An opinionated view of Spring
- A tool for getting started very quickly with Spring
- A single point of focus (instead of the collection of spring-* projects)
- Common non-functional requirements for a “real” application
- Exposes a lot of useful features by default
- Gets out of the way quickly if you want to change the defaults

Some Things Spring Boot Addresses

- Web App Development
- Auto-configuration
- External configuration
- Profiles
- Logging
- Monitoring & management

<http://start.spring.io>

SPRING INITIALIZR

Bootstrap your application now

Project metadata

Group	<input type="text" value="org.test"/>
Artifact	<input type="text" value="demo"/>
Name	<input type="text" value="demo"/>
Description	<input type="text" value="Demo project for Spring Boot"/>
Package Name	<input type="text" value="demo"/>
Type	<input type="text" value="Maven Project"/>
Packaging	<input type="text" value="Jar"/>
Java Version	<input type="text" value="1.8"/>

Project dependencies

Core

- ☐ Security
- ☐ AOP
- ☐ Atomikos (JTA)
- ☐ Bitronix (JTA)

Web

- ☐ Web
- ☐ Websocket
- ☐ WS
- ☐ Jersey (JAX-RS)
- ☐ Vaadin
- ☐ Rest Repositories
- ☐ HATEOAS
- ☐ Mobile

Template Engines

- ☐ Freemarker
- ☐ Velocity
- ☐ Groovy Templates

Data

- ☐ JDBC
- ☐ JPA
- ☐ MongoDB

Pivotal

A NEW PLATFORM FOR A NEW ERA