

Spring boot

What is spring boot?

Spring Boot makes it easy to create stand-alone, production-grade Spring based Applications that you can “just run”.

Most Spring Boot applications need very little Spring configuration.

What is starter?

“Starters” simply provide dependencies that you are likely to need when developing a specific type of application. Since we are developing a web application, we will add a `spring-boot-starter-web` dependency

How to run spring boot application?

```
public static void main(String[] args) {  
    SpringApplication.run(?.class, args);  
}
```

@SpringBootApplication

@Configuration

@EnableAutoConfiguration

@ComponentScan

Profiling

`@Profile(?)`

`spring.profiles.active=?`

How to specify server?

- Tomcat
- Jetty
- Undertow(<https://examples.javacodegeeks.com/enterprise-java/spring/tomcat-vs-jetty-vs-undertow-comparison-of-spring-boot-embedded-servlet-containers/>)

How to specify server?

```
<dependency>
```

```
  <groupId>org.springframework.boot</groupId>
```

```
  <artifactId>spring-boot-starter-web</artifactId>
```

```
</dependency>
```


How to specify server?

```
<dependency>
```

```
  <groupId>org.springframework.boot </groupId>
```

```
  <artifactId>spring-boot-starter-web </artifactId>
```

```
    <exclusions>
```

```
      <exclusion>
```

```
        <groupId>org.springframework.boot </groupId>
```

```
        <artifactId>spring-boot-starter-tomcat </artifactId>
```

```
      </exclusion>
```

```
    </exclusions>
```

```
</dependency>
```

```
<dependency>
```

```
  <groupId>org.springframework.boot </groupId>
```

```
  <artifactId>spring-boot-starter-undertow </artifactId>
```

```
</dependency>
```

How to configure HTTP 2.0 support?

```
@Bean

public UndertowEmbeddedServletContainerFactory embeddedServletContainerFactory() {

    UndertowEmbeddedServletContainerFactory factory = new
    UndertowEmbeddedServletContainerFactory();

    factory.addBuilderCustomizers (

        builder -> builder.setServerOption(UndertowOptions. ENABLE_HTTP2, true));

    return factory;

}
```