

# 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;  
  
}
```