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## [How to configure port for a Spring Boot application](#)

[Ask Question](#)

Asked 10 years, 4 months ago

Modified [1 month ago](#)

Viewed 1.1m times

1075

How do I configure the TCP/IP port listened on by a Spring Boot application, so it does not use the default port of 8080.

- [java](#)
- [spring](#)
- [spring-boot](#)
- [server](#)
- [port](#)

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[edited Mar 20, 2019 at 7:32](#)

[Tung](#)

1,63144 gold badges1717 silver badges3333 bronze badges

asked Jan 13, 2014 at 2:59

[Paul Verest](#)Paul Verest

62.4k5252 gold badges219219 silver badges345345 bronze badges

4

12

If someone interested, here is shown how to have multiple ports - [stackoverflow.com/questions/36357135/...](#)

– [Betlista](#)

Feb 8, 2018 at 13:21

if you use "yaml" file for configuration then you can use this server: port: 8081 Also annotate you main class as "@SpringBootApplication" and remove @EnableAutoConfiguration

– [Keaz](#)

Jun 23, 2018 at 7:52

your project [application.properties] for add the server.port=8080

– [Lahiru Samishka](#)

Oct 8, 2019 at 11:07

set server.port=8080 in application properties. this configuration is in ServerProperties.class class under org.springframework.boot.autoconfigure.web.

– [Atif](#)

Mar 11, 2020 at 10:12

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## 65 Answers

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1

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1581

As [said in docs](#) either set server.port as system property using command line option to jvm -Dserver.port=8090 or add application.properties in /src/main/resources/ with

```
server.port=8090
```

For a random port use:

```
server.port=0
```

Similarly add application.yml in /src/main/resources/ with:

```
server:
  port: 8090
```

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[edited Jun 1, 2022 at 16:50](#)

[blacktide](#)

11.5k88 gold badges3737 silver badges5555 bronze badges

answered Jan 13, 2014 at 3:14

[Paul Verest](#)Paul Verest

62.4k5252 gold badges219219 silver badges345345 bronze badges

17

77

When random port is used, port info can get with `@Value("${local.server.port}")`

– [azizunsal](#)

Jul 23, 2015 at 12:46

52

Actually command line option is `--server.port=8090` not `-Dserver.port=8090`. [docs.spring.io/spring-boot/docs/current/reference/html/...](https://docs.spring.io/spring-boot/docs/current/reference/html/)

– [alpert](#)

Aug 19, 2015 at 6:39

1

As a compliment to this answer: According to the [spring docs](#) there are other paths you can put `application.properties` on. In my case that helped a lot.

– [sargas](#)

Oct 2, 2015 at 19:37

17

`-Dserver.port=XXXX` did not work for me. I used OS environment variable mode: `$ SERVER_PORT=8090 java -jar <path/to/my/jar>`

– [Soumya Kanti](#)

Oct 8, 2015 at 7:38

17

Both (1) `java -Dserver.port=XXXX -jar <path/to/my/jar>` and (2) `java -jar <path/to/my/jar> --server.port=YYYY` works. The first command defines `server.port` system property, and the second command pass the property through the command line arguments (`String... args` in the `main` method). Moreover, if you run with `java -Dserver.port=XXXX -jar <path/to/my/jar> --server.port=YYYY`, `YYYY` takes precedence over `XXXX`, this is why Spring Boot Externalized Configuration is so charming.

– [tan9](#)

Nov 29, 2016 at 16:28

| [Show 12 more comments](#)

274

There are two main ways to change the port in the Embedded Tomcat in a Spring Boot Application.

### Modify application.properties

First you can try the `application.properties` file in the `/resources` folder:

```
server.port = 8090
```

### Modify a VM option

The second way, if you want to avoid modifying any files and checking in something that you only need on your local, you can use a `vm` arg:

*Go to Run -> Edit Configurations -> VM options*

```
-Dserver.port=8090
```

Additionally, if you need more information you can view the following blog post here: [Changing the port on a Spring Boot Application](#)

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[edited Feb 20, 2019 at 5:45](#)

answered May 14, 2015 at 23:57

[anataliocs](#)anataliocs

10.6k66 gold badges5757 silver badges7373 bronze badges

1

In STS 4 it is at run -> run configurations -> main, then scroll down to Table with Parameter Name and Value

– [serv-inc](#)

Apr 28, 2019 at 13:00

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214

Since Spring Boot provides [various configuration externalization mechanism](#) (through various `PropertySource` implementations and/or processors wired into `Environment` object in order), you can set any property **outside** of your jar archive through following methods:

Pass property through command line argument as **application argument**

```
java -jar <path/to/my/jar> --server.port=7788
```

From property in `SPRING_APPLICATION_JSON` (Spring Boot 1.3.0+)

Define environment variable in U\*IX shell:

```
SPRING_APPLICATION_JSON='{ "server.port":7788}' java -jar <path/to/my/jar>
```

By using Java system property:

```
java -Dspring.application.json='{ "server.port":7788}' -jar <path/to/my/jar>
```

Pass through command line argument:

```
java -jar <path/to/my/jar> --spring.application.json='{ "server.port":7788}'
```

Define **JVM system property**

```
java -Dserver.port=7788 -jar <path/to/my/jar>
```

Define **OS environment variable**

U\*IX Shell

```
SERVER_PORT=7788 java -jar <path/to/my/jar>
```

Windows

```
SET SERVER_PORT=7788  
java -jar <path/to/my/jar>
```

Place property in `./config/application.properties` **configuration file**

```
server.port=7788
```

and run:

```
java -jar <path/to/my/jar>
```

Place property in `./config/application.yaml`

```
server:  
  port: 7788
```

and run:

```
java -jar <path/to/my/jar>
```

Place property in `./application.properties`

```
server.port=7788
```

and run:

```
java -jar <path/to/my/jar>
```

Place property in `./application.yaml`

```
server:  
  port: 7788
```

and run:

```
java -jar <path/to/my/jar>
```

---

You can combine above methods all together, and the former configuration in the list take precedence over the latter one.

For example:

```
SERVER_PORT=2266 java -Dserver.port=5566 -jar <path/to/my/jar> --server.port=7788
```

The server will start and listen on port 7788.

This is very useful providing default properties in PropertySources with lower precedence (and usually packaged in the archive or coded in the source), and then override it in the runtime environment. And it is the design philosophy of Spring Boot:

Be opinionated out of the box, but get out of the way quickly as requirements start to diverge from the defaults.

---

SERVER\_NAME to server.name conversion was done by [Relaxed Binding](#).

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[edited Dec 4, 2017 at 15:53](#)

answered Nov 29, 2016 at 17:39

[tan9](#)tan9

3,57022 gold badges1919 silver badges2121 bronze badges

0

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141

Also, you can configure the port programmatically.

For Spring Boot 2.x.x:

```
@Configuration
public class CustomContainer implements WebServerFactoryCustomizer<ConfigurableServletWebServerFactory> {
    public void customize(ConfigurableServletWebServerFactory factory){
        factory.setPort(8042);
    }
}
```

For older versions:

```
@Configuration
public class ServletConfig {
    @Bean
    public EmbeddedServletContainerCustomizer containerCustomizer() {
        return (container -> {
            container.setPort(8012);
        });
    }
}
```

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[edited Nov 30, 2020 at 11:48](#)

[Positive Navid](#)

2,67122 gold badges2929 silver badges4242 bronze badges

answered Nov 3, 2015 at 18:29

[makerj](#)makerj

2,22922 gold badges2020 silver badges2727 bronze badges

8

2

This is working and very useful, when you have port in your own config file and want to set it during runtime.

– [Xdg](#)

Nov 8, 2015 at 9:48

6

This was helpful when i needed to deploy an application to a AWS Elastic Beanstalk service, to get the port from an environment variable.

– [Martin Hansen](#)

Nov 19, 2015 at 12:51

This is super useful when all you want is a self-contained unit or integration test, +1.

– [Priidu Neemre](#)

Apr 28, 2016 at 10:34

Very useful when the env variable for port is already defined under a different name.

– [higuaro](#)

Aug 18, 2016 at 8:27

2

Is'nt it the @Configuration instead of @Controller? Please update if so.

– [Lucky](#)

Sep 13, 2016 at 11:52

| [Show 3 more comments](#)

113

If you would like to run it locally, use this -

```
mvn spring-boot:run -Drun.jvmArguments='-Dserver.port=8085'
```

As of **Spring Boot 2.0**, here's the command that works:

```
mvn spring-boot:run -Dspring-boot.run.arguments=--server.port=8085
```

clues were at:

- [Maven spring boot run debug with arguments](#)

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[edited Jul 16, 2023 at 16:39](#)

[Manuel Jordan](#)

15.9k2323 gold badges100100 silver badges171171 bronze badges

answered Apr 15, 2016 at 23:00

[itwarilal](#)itwarilal

1,37411 gold badge1010 silver badges1717 bronze badges

3

5

Starting from Spring Boot 2, you should use `spring-boot.run.jvmArguments`.

– [mapm](#)

Apr 12, 2018 at 2:57

1

`-Dspring-boot.run.arguments` works with Spring Boot 3

– [Marco Sulla](#)

Apr 3, 2023 at 19:13

For the first command is valid without `' '` too - therefore `mvn spring-boot:run -Drun.jvmArguments=-Dserver.port=8085` works. Tested on SB 3.1.1

– [Manuel Jordan](#)

Jul 16, 2023 at 16:41

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99

You can set port in java code:

```
HashMap<String, Object> props = new HashMap<>();
props.put("server.port", 9999);
```

```
new SpringApplicationBuilder()
    .sources(SampleController.class)
    .properties(props)
    .run(args);
```

Or in application.yml:

```
server:
  port: 9999
```

Or in application.properties:

```
server.port=9999
```

Or as a command line parameter:

```
-Dserver.port=9999
```

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answered Mar 17, 2016 at 16:58

[ayurchuk](#)ayurchuk

1,97911 gold badge1717 silver badges1313 bronze badges

2

Using the HashMap will work only if no port is set in applications.properties or .yaml.

– [Milgo](#)

Apr 25, 2019 at 11:28

I have a 2nd "application" class as a utility, and I wanted to only set a different port in that one. Therefore all the config file based approaches were not helpful for me. Close to giving up I found your programatic approach. Thank you!

– [Thomas Schütt](#)

Oct 8, 2021 at 12:43

[Add a comment](#) |

63

In case you are using application.yml add the Following lines to it

```
server:
  port: 9000
```

and of course 0 for random port.

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[edited Dec 4, 2014 at 2:13](#)

[Paul Verest](#)

62.4k5252 gold badges219219 silver badges345345 bronze badges

answered Dec 3, 2014 at 19:30

[gatolgaj](#)gatolgaj

1,20388 silver badges1212 bronze badges

2

1

this didn't seem to work. I used server.port in the application.yml and it worked

– [yathirigan](#)

Mar 5, 2015 at 13:11

Also, make sure to keep a space between the : and the value.

– [Upulie Handalage](#)

Jul 20, 2022 at 16:28

[Add a comment](#) |

54

As explained in [Spring documentation](#), there are several ways to do that:

Either you set the port in the command line (for example 8888)

```
-Dserver.port=8888 or --server.port=8888
```

```
Example : java -jar -Dserver.port=8888 test.jar
```

Or you set the port in the application.properties

```
server.port=${port:4588}
```

or (in application.yml with yaml syntax)

```
server:
  port: ${port:4588}
```

If the port passed by -Dport (or -Dserver.port) is set in command line then this port will be taken into account. If not, then the port will be 4588 by default.

If you want to enforce the port in properties file whatever the environment variable, you just have to write:

```
server.port=8888
```

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[edited Nov 11, 2017 at 22:56](#)

answered Jan 21, 2017 at 13:21

[OlivierTerrien](#)OlivierTerrien

2,55111 gold badge2020 silver badges3232 bronze badges

[Add a comment](#) |

43

Include below property in application.properties

```
server.port=8080
```

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[edited Aug 8, 2018 at 11:23](#)

[Derrick](#)

3,91555 gold badges3737 silver badges5252 bronze badges

answered Oct 18, 2016 at 18:22

[Chandramouli](#)Chandramouli

57244 silver badges66 bronze badges

1

This doesn't work. What application.properties? Which properties can overwrite this one? How can I be sure Spring is picking it up?

– [Philip Rego](#)

Dec 10, 2021 at 16:24

[Add a comment](#) |

31

When you need a programatically way of doing it, you can set it during startup:

```
System.getProperties().put( "server.port", 80 );
SpringApplication.run(App.class, args);
```

This might help for things like environment dependent port. Have a nice day

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answered Apr 3, 2016 at 16:21

[Luis Mauricio](#)Luis Mauricio

41655 silver badges88 bronze badges

2

2

System.setProperty("server.port", 80); is another way to achieve the same.

– [hd1](#)

Feb 11, 2017 at 20:34

@hd1, I added our answers to the main answer, check it out and modify as you see fit please

– [Luis Mauricio](#)

Dec 30, 2019 at 14:40

[Add a comment](#) |

21

if you are using gradle as the build tool, you can set the server port in your **application.yml** file as:

```
server:
  port: 8291
```



If you are using maven then the port can be set in your **application.properties** file as:

```
server.port: 8291
```

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[edited Oct 24, 2019 at 9:37](#)

[Gaurav Jeswani](#)

4,49266 gold badges2929 silver badges4949 bronze badges

answered Oct 24, 2019 at 9:20

[VSharma](#)VSharma

48344 silver badges88 bronze badges

2

for application.properties its `server.port = 8291`

– [iQuestProgrammer](#)

Dec 5, 2019 at 9:52

What do Maven and Gradle have to do with whether you use a properties or YAML file? The build process (Maven) is completely disparate from the application framework (Spring Boot).

– [SeverityOne](#)

Jun 3, 2021 at 9:01

[Add a comment](#) |

20

To extend other answers:

There is a section in the docs for testing which explains how to configure the port on integration tests:

- [41.3 Testing Spring Boot applications](#)
- [41.3.3 Working with random ports](#)

---

At integration tests, the port configuration is made using the annotation `@SpringBootTest` and the `webEnvironment` values.

---

### Random port:

```
@SpringBootTest(webEnvironment=WebEnvironment.RANDOM_PORT)
```

You can inject the value using `@LocalServerPort` which is the same as `@Value("${local.server.port}")`.

- Example:

Random port test configuration:

```
@RunWith(SpringRunner.class)
@SpringBootTest(webEnvironment = WebEnvironment.RANDOM_PORT)
public class ExampleTest {
    ...
    @LocalServerPort //to inject port value
    int port;
}
```

---

### Defined port:

```
@SpringBootTest(webEnvironment=WebEnvironment.DEFINED_PORT)
```

It takes the value from `server.port` if is defined.

- If is defined using `@TestPropertySource(properties = "server.port=9192")`, it overrides other defined values.
- If not, it takes the value from `src/test/resources/application.properties` (if exists).
- And finally, if it is not defined it starts with the default 8080.

Example:

Defined port test configuration:

```
@RunWith(SpringRunner.class)
@SpringBootTest(webEnvironment = SpringBootTest.WebEnvironment.DEFINED_PORT)
```

```
@TestPropertySource(properties = "server.port=9192")
public class DemoApplicationTests {

    @Test
    public void contextLoads() {
    }

}
```

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[edited Aug 6, 2017 at 13:04](#)

[andi](#)

99122 gold badges1111 silver badges2121 bronze badges

answered May 29, 2017 at 18:40

[Pau](#)Pau

15.6k1616 gold badges6868 silver badges9494 bronze badges

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19

You can specify port by overriding `EmbeddedServletContainerFactory` bean within your configuration (java based or xml). There you can specify port for used embedded servlet container. Please, see [Spring Boot - Core](#) "Embedded Servlet Container Support" paragraph and example there. Hope this helps.

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[edited Jun 15, 2014 at 8:39](#)

[Will](#)

6,61133 gold badges3131 silver badges4242 bronze badges

answered Jan 13, 2014 at 10:20

[nndrunndru](#)

2,0872222 silver badges1616 bronze badges

2

1

Direct link: [docs.spring.io/spring-boot/docs/current-SNAPSHOT/reference/...](https://docs.spring.io/spring-boot/docs/current-SNAPSHOT/reference/...)

– [Erik Martino](#)

Nov 13, 2014 at 10:24

Here's a current link to the programmatic override section: [docs.spring.io/spring-boot/docs/current-SNAPSHOT/reference/...](https://docs.spring.io/spring-boot/docs/current-SNAPSHOT/reference/...)

– [locull](#)

Jun 14, 2018 at 15:33

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19

In `application.properties` file present in resources:

```
server.port=8082
```

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[edited Apr 24, 2017 at 8:15](#)

[FelixSFD](#)

6,0721010 gold badges4444 silver badges121121 bronze badges

answered Apr 24, 2017 at 7:57

[Amit Gujarathi](#)Amit Gujarathi

1,10011 gold badge1212 silver badges2525 bronze badges

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19

There are three ways to do it depending on the application configuration file you are using

a) If you are using **application.properties** file set

```
server.port = 8090
```

b) If you are using **application.yml** file set server port property in YAML format as given below

```
server:
  port: 8090
```

c) You can also Set the property as the System property in the **main method**

```
System.setProperty("server.port", "8090");
```

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[edited Dec 11, 2018 at 12:56](#)

[LukeSolar](#)

3,82544 gold badges3333 silver badges3939 bronze badges

answered Oct 15, 2018 at 17:52

[Praneeth](#)Praneeth

53955 silver badges88 bronze badges

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15

There are many other stuffs you can alter in server configuration by changing application.properties. Like session time out, address and port etc. Refer below post

ref: <http://docs.spring.io/spring-boot/docs/1.4.x/reference/html/common-application-properties.html>

I used few of them as below.

```
server.session.timeout=1
server.port = 3029
server.address= deepesh
```

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answered Jan 26, 2018 at 4:39

[Deepesh kumar Gupta](#)Deepesh kumar Gupta

89422 gold badges1111 silver badges3030 bronze badges

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15

Add this in your application.properties file

```
server.port= 8080
```

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[edited Aug 8, 2018 at 11:23](#)

[Derrick](#)

3,91555 gold badges3737 silver badges5252 bronze badges

answered Jun 17, 2016 at 9:57

[Sridhar Battala](#)Sridhar Battala

15911 silver badge33 bronze badges

2

2

Welcome to SO :-) please look at [How to Answer](#)

– [JimHawkins](#)

Jun 17, 2016 at 10:03

Why to add same answer one year later?!? and `server.port 8080` is wrong syntax for Java property file...

– [Betlista](#)

Feb 8, 2018 at 13:19

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14

As everyone said, you can specify in application.properties

**server.port = 9000** (could be any other value)

If you are using spring actuator in your project, by default it points to

8080, and if you want to change it, then in application.properties mention

**management.port = 9001** (could be any other value)

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answered Sep 29, 2015 at 6:01

[Rakesh](#)Rakesh

1,42411 gold badge1818 silver badges2424 bronze badges

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14

In the `application.properties` file, add this line:

```
server.port = 65535
```

**where to place that fie:**

#### 24.3 Application Property Files

SpringApplication loads properties from `application.properties` files in the following locations and adds them to the Spring Environment:

- A `/config` subdirectory of the current directory
- The current directory
- A classpath `/config` package
- The classpath root

The list is ordered by precedence (properties defined in locations higher in the list override those defined in lower locations).

In my case I put it in the directory where the `jar` file stands.

From:

<https://docs.spring.io/spring-boot/docs/current/reference/htmlsingle/#boot-features-external-config-application-property-files>

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[edited Dec 20, 2018 at 1:36](#)

answered Dec 20, 2018 at 1:28

[ZhaoGang](#)ZhaoGang

4,70911 gold badge3131 silver badges4040 bronze badges

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14

By default spring boot app start with embedded tomcat server start at default port 8080. spring provides you with following different customization you can choose one of them.

**NOTE** – you can use `server.port=0` spring boot will find any unassigned http random port for us.

#### 1) application.properties

```
server.port=2020
```

#### 2) application.yml

```
server:
  port : 2020
```

#### 3) Change the server port programatically

##### 3.1) By implementing WebServerFactoryCustomizer interface - Spring 2.x

```
@Component
public class MyTomcatWebServerCustomizer implements WebServerFactoryCustomizer<TomcatServletWebServerFactory> {

    @Override
    public void customize(TomcatServletWebServerFactory factory) {
        // customize the factory here
        factory.setPort(2020);
    }
}
```

##### 3.2) By Implementing EmbeddedServletContainerCustomizer interface - Spring 1.x

```
@Component
public class CustomizationBean implements EmbeddedServletContainerCustomizer {

    @Override
    public void customize(ConfigurableEmbeddedServletContainer container) {
        // customize here
        container.setPort(2020);
    }
}
```

#### 4) By using command line option

```
java -jar spring-boot-app.jar -Dserver.port=2020
```

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[edited Apr 26, 2019 at 14:25](#)

answered Apr 26, 2019 at 14:09

[anandchaugule](#)anandchaugule

1,0411313 silver badges2121 bronze badges

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12

Indeed, the easiest way is to set the `server.port` property.

If you are using STS as IDE, from version 3.6.7 you actually have *Spring Properties Editor* for opening the properties file.

This editor provides autocomplete for all Spring Boot properties. If you write `port` and hit CTRL + SPACE, `server.port` will be the first option.

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answered Dec 15, 2015 at 9:11

[Adrian Cosma](#)Adrian Cosma

48688 silver badges1010 bronze badges

1

1

Or Also if you are using IntelliJ IDEA the autocomplete works too. :)

– [Lucky](#)

Sep 13, 2016 at 11:53

[Add a comment](#) |

12

By default, spring-web module provides an embedded tomcat server that is running under the port number 8080. If you need to change the port number of the application then go to `application.properties` file and configure the port number by using `server.port` property.

```
server.port= 9876
```

then your application is running under the port 9876.

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[edited Oct 28, 2020 at 11:34](#)

answered May 14, 2020 at 9:46

[Nafaz M N M](#)Nafaz M N M

1,63844 gold badges2828 silver badges4343 bronze badges

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11

Hope this one help

```
application.properties=>
```

```
server.port=8090
```

```
application.yml=>
```

```
server
```

port:8090

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answered May 18, 2018 at 13:14

[Sagar Mal Shankhala](#)Sagar Mal Shankhala

31533 silver badges88 bronze badges

1

application.yml => server: port: 8090

– [Vijay Mohan](#)

May 23, 2018 at 17:36

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11

Using property server.port=8080 for instance like mentioned in other answers is definitely a way to go. Just wanted to mention that you could also expose an environment property:

```
SERVER_PORT=8080
```

Since spring boot is able to replace "." for "\_" and lower to UPPER case for environment variables in recent versions. This is specially useful in containers where all you gotta do is define that environment variable without adding/editing application.properties or passing system properties through command line (i.e -Dserver.port=\$PORT)

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[edited Aug 8, 2018 at 11:22](#)

[Derrick](#)

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answered Jul 29, 2016 at 21:25

[Ulises](#)Ulises

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```
SERVER_PORT=8081 mvn spring-boot:run
```

– [Brent Bradburn](#)

Sep 17, 2018 at 4:11

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9

You can add the port in below methods.

Run -> Configurations section

In application.xml add server.port=XXXX

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[edited Feb 2, 2016 at 16:25](#)

[Bogdan Bogdanov](#)

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answered Feb 2, 2016 at 15:45

[gkarthiks](#)gkarthiks

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1

Do you mean application.yml and what IDE are you using? Please be specific.

– [Lucky](#)

Sep 13, 2016 at 11:56

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9

Just have a application.properties in src/main/resources of the project and give there

```
server.port=****
```

where \*\*\*\* refers to the port number.

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[edited Jul 2, 2017 at 13:57](#)

[gawi](#)

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answered Jul 2, 2017 at 7:07

[Shubham Khurana](#)Shubham Khurana

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9

1.1 Update via a properties file.

**/src/main/resources/application.properties**

server.port=8888

**Update via a yaml file.**

```
server:
```

```
  port: 8888
```

**EmbeddedServletContainerCustomizer**

```
@Component
```

```
public class CustomContainer implements EmbeddedServletContainerCustomizer {
```

```
    @Override
```

```
    public void customize(ConfigurableEmbeddedServletContainer container) {
```

```
        container.setPort(8888);
```

```
    }
```

```
}
```

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[edited Aug 28, 2017 at 10:21](#)

[Jakub Matczak](#)

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answered Aug 28, 2017 at 10:01

[Buddhika Lakshan](#)Buddhika Lakshan

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9

Providing the port number in application.properties file will resolve the issue

```
server.port = 8080
```

"port depends on your choice, where you want to host the application"

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answered Oct 15, 2018 at 12:52

[Ashwini](#)Ashwini

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8

You can also use `SERVER_PORT` environment variable to configure Spring Boot port. Just set the environment variable and restart the app:

```
set SERVER_PORT=9999 // on windows machine
export SERVER_PORT=9999 // on linux
```

Please note that if you do not set those environment variables system wide, you should run the boot app on the same session.

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answered Apr 26, 2016 at 13:03

[Ali Dehghani](#)Ali Dehghani

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8

Mostly springboot runs on port:8080 because of embedded Tomcat. In some it may throw an error port 8080 already in use. To avoid this kind of issues we can config the server port.

## Using application.properties

```
add server.port=9898
```

## On runtime config

run your application with below arguments.

```
spring-boot:run -Drun.jvmArguments='-Dserver.port=8081'
```

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answered Aug 16, 2017 at 4:10

[Mohanraj](#)Mohanraj

40633 gold badges99 silver badges2222 bronze badges

2

1

This answer is outdated. You need to use the following arguments `mvn spring-boot:run`

`-Dspring-boot.run.jvmArguments='-Dserver.port=8081'`, see [stackoverflow.com/a/66370832/179014](https://stackoverflow.com/a/66370832/179014)

– [asmaier](#)

Nov 25, 2022 at 13:43

I've confirmed it works in SB 3.1.1 - BTW is not necessary use ' ', therefore is `mvn spring-boot:run`

`-Dspring-boot.run.jvmArguments=-Dserver.port=8081` works

– [Manuel Jordan](#)

Jul 16, 2023 at 16:24

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