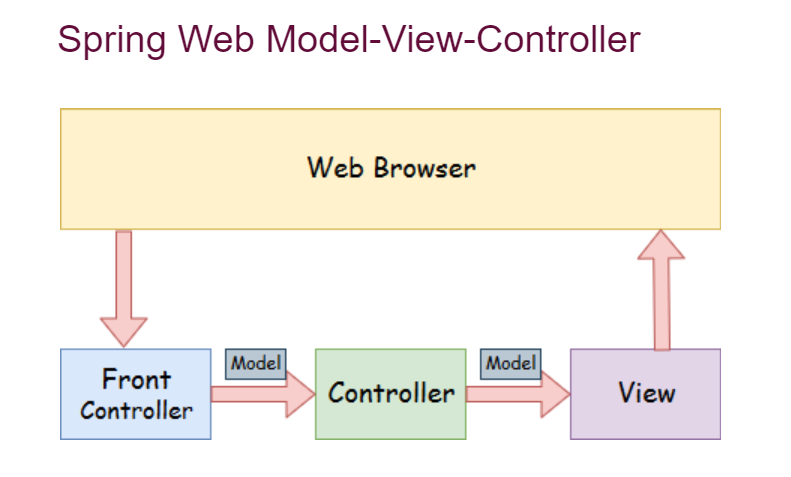
Spring MVC

Model View Controller

Client → Request → Dispatcher Servlet ( Front Controller) →Controller→View Resolver→ View → Response



[11:06 AM] Preeti Yadav

<https://mvnrepository.com/artifact/org.springframework/spring-webmvc>

[11:06 AM] Preeti Yadav

<https://mvnrepository.com/artifact/javax.servlet/javax.servlet-api>

Maven Repository: javax.servlet » javax.servlet-api

Steps to create Spring mvc app

1. Load the spring jar files or add dependencies in the case of Maven
2. Create a folder inside "main" for java class/Controller
3. Create a folder under WEB-INF for jsp files

1. Create the controller class under java class folder
2. Provide the entry of controller (i.e. dispatcher servlet) in the web.xml file
3. Create a spring-servlet.xml under WEB-INF folder and Define the bean in the this XML file (spring-servlet.xml)
4. Display the message in the JSP page
5. Start the server and deploy the project.

# **Spring vs. Spring Boot vs. Spring MVC**

## **Spring vs. Spring Boot**

**Spring:** Spring Framework is the most popular application development framework of Java. The main feature of the Spring Framework is **dependency Injection** or **Inversion of Control** (IoC). With the help of Spring Framework, we can develop a **loosely** coupled application. It is better to use if application type or characteristics are purely defined.

**Spring Boot:** Spring Boot is a module of Spring Framework. It allows us to build a stand-alone application with minimal or zero configurations. It is better to use if we want to develop a simple Spring-based application or RESTful services.

The primary comparison between Spring and Spring Boot are discussed below:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **Spring** | **Spring Boot** | | **Spring Framework** is a widely used Java EE framework for building applications. | **Spring Boot Framework** is widely used to develop **REST APIs**. | | It aims to simplify Java EE development that makes developers more productive. | It aims to shorten the code length and provide the easiest way to develop **Web Applications**. | | The primary feature of the Spring Framework is **dependency injection**. | The primary feature of Spring Boot is **Autoconfiguration**. It automatically configures the classes based on the requirement. | | It helps to make things simpler by allowing us to develop **loosely coupled** applications. | It helps to create a **stand-alone** application with less configuration. | | The developer writes a lot of code (**boilerplate code**) to do the minimal task. | It **reduces** boilerplate code. | | To test the Spring project, we need to set up the sever explicitly. | Spring Boot offers **embedded server** such as **Jetty** and **Tomcat**, etc. | | It does not provide support for an in-memory database. | It offers several plugins for working with an embedded and **in-memory** database such as **H2**. | | Developers manually define dependencies for the Spring project in **pom.xml**. | Spring Boot comes with the concept of **starter** in pom.xml file that internally takes care of downloading the dependencies **JARs** based on Spring Boot Requirement. |  **Spring Boot vs. Spring MVC** **Spring Boot:** Spring Boot makes it easy to quickly bootstrap and start developing a Spring-based application. It avoids a lot of boilerplate code. It hides a lot of complexity behind the scene so that the developer can quickly get started and develop Spring-based applications easily.  PauseNext  Mute  Current TimeÂ 9:32  /  DurationÂ 18:10  Loaded: 52.47%  Â  Fullscreen  ADVERTISEMENT  **Spring MVC:** Spring MVC is a Web MVC Framework for building web applications. It contains a lot of configuration files for various capabilities. It is an HTTP oriented web application development framework.  Spring Boot and Spring MVC exist for different purposes. The primary comparison between Spring Boot and Spring MVC are discussed below:   |  |  | | --- | --- | | **Spring Boot** | **Spring MVC** | | **Spring Boot** is a module of Spring for packaging the Spring-based application with sensible defaults. | **Spring MVC** is a model view controller-based web framework under the Spring framework. | | It provides default configurations to build **Spring-powered** framework. | It provides **ready to use** features for building a web application. | | There is no need to build configuration manually. | It requires build configuration manually. | | There is **no requirement** for a deployment descriptor. | A Deployment descriptor is **required**. | | It avoids boilerplate code and wraps dependencies together in a single unit. | It specifies each dependency separately. | | It **reduces** development time and increases productivity. | It takes **more** time to achieve the same. |   Next Topic[Spring Boot Architecture](https://www.javatpoint.com/spring-boot-architecture)  [← Prev](https://www.javatpoint.com/spring-boot-version)[Next →](https://www.javatpoint.com/spring-boot-architecture)  ADVERTISEMENT  ADVERTISEMENT |

Youtube For Videos Join Our Youtube Channel: [Join Now](https://bit.ly/2FOeX6S)

### **Feedback**

* Send your Feedback to feedback@javatpoint.com

## **Help Others, Please Share**

[facebook](https://www.facebook.com/sharer.php?u=https://www.javatpoint.com/spring-vs-spring-boot-vs-spring-mvc) [twitter](https://twitter.com/share?url=https://www.javatpoint.com/spring-vs-spring-boot-vs-spring-mvc) [pinterest](https://www.pinterest.com/pin/create/button/?url=https://www.javatpoint.com/spring-vs-spring-boot-vs-spring-mvc)

## **Learn Latest Tutorials**

[[Splunk tutorial](https://www.javatpoint.com/splunk)](https://www.javatpoint.com/splunk)

[Splunk](https://www.javatpoint.com/splunk)

[[SPSS tutorial](https://www.javatpoint.com/spss)](https://www.javatpoint.com/spss)

[SPSS](https://www.javatpoint.com/spss)

[[Swagger tutorial](https://www.javatpoint.com/swagger)](https://www.javatpoint.com/swagger)

[Swagger](https://www.javatpoint.com/swagger)

[[T-SQL tutorial](https://www.javatpoint.com/t-sql)](https://www.javatpoint.com/t-sql)

[Transact-SQL](https://www.javatpoint.com/t-sql)

[Tumblr](https://www.javatpoint.com/tumblr)

[ReactJS](https://www.javatpoint.com/reactjs-tutorial)

[Regex](https://www.javatpoint.com/regex)

[Reinforcement Learning](https://www.javatpoint.com/reinforcement-learning)

[R Programming](https://www.javatpoint.com/r-tutorial)

[RxJS](https://www.javatpoint.com/rxjs)

[React Native](https://www.javatpoint.com/react-native-tutorial)

[Python Design Patterns](https://www.javatpoint.com/python-design-pattern)

[Python Pillow](https://www.javatpoint.com/python-pillow)

[Python Turtle](https://www.javatpoint.com/python-turtle-programming)

[Keras](https://www.javatpoint.com/keras)

## **Preparation**

[Aptitude](https://www.javatpoint.com/aptitude/quantitative)

[Reasoning](https://www.javatpoint.com/reasoning)

[Verbal Ability](https://www.javatpoint.com/verbal-ability)

[Interview Questions](https://www.javatpoint.com/interview-questions-and-answers)

[Company Questions](https://www.javatpoint.com/company-interview-questions-and-recruitment-process)

## **Trending Technologies**

[Artificial Intelligence](https://www.javatpoint.com/artificial-intelligence-ai)

[AWS](https://www.javatpoint.com/aws-tutorial)

[Selenium](https://www.javatpoint.com/selenium-tutorial)

[Cloud Computing](https://www.javatpoint.com/cloud-computing)

[Hadoop](https://www.javatpoint.com/hadoop-tutorial)

[ReactJS](https://www.javatpoint.com/reactjs-tutorial)

[Data Science](https://www.javatpoint.com/data-science)

[Angular 7](https://www.javatpoint.com/angular-7-tutorial)

[Blockchain](https://www.javatpoint.com/blockchain-tutorial)

[Git](https://www.javatpoint.com/git)

[Machine Learning](https://www.javatpoint.com/machine-learning)

[DevOps](https://www.javatpoint.com/devops)

## **B.Tech / MCA**

[DBMS](https://www.javatpoint.com/dbms-tutorial)

[Data Structures](https://www.javatpoint.com/data-structure-tutorial)

[DAA](https://www.javatpoint.com/daa-tutorial)

[Operating System](https://www.javatpoint.com/operating-system)

[Computer Network](https://www.javatpoint.com/computer-network-tutorial)

[Compiler Design](https://www.javatpoint.com/compiler-tutorial)

[Computer Organization](https://www.javatpoint.com/computer-organization-and-architecture-tutorial)

[Discrete Mathematics](https://www.javatpoint.com/discrete-mathematics-tutorial)

[Ethical Hacking](https://www.javatpoint.com/ethical-hacking)

[Computer Graphics](https://www.javatpoint.com/computer-graphics-tutorial)

[Software Engineering](https://www.javatpoint.com/software-engineering)

[Web Technology](https://www.javatpoint.com/html-tutorial)

[Cyber Security](https://www.javatpoint.com/cyber-security-tutorial)

[Automata](https://www.javatpoint.com/automata-tutorial)

[C Programming](https://www.javatpoint.com/c-programming-language-tutorial)

[C++](https://www.javatpoint.com/cpp-tutorial)

[Java](https://www.javatpoint.com/java-tutorial)

[.Net](https://www.javatpoint.com/net-framework)

[Python](https://www.javatpoint.com/python-tutorial)

[Programs](https://www.javatpoint.com/programs-list)

[Control System](https://www.javatpoint.com/control-system-tutorial)

[Data Mining](https://www.javatpoint.com/data-mining)

[Data Warehouse](https://www.javatpoint.com/data-warehouse)

ADVERTISEMENT

ADVERTISEMENT

ADVERTISEMENT

ADVERTISEMENT

Like/Subscribe us for latest updates or newsletter[RSS Feed](https://feeds.feedburner.com/javatpointsonoo) [Subscribe to Get Email Alerts](https://feedburner.google.com/fb/a/mailverify?uri=javatpointsonoo) [Facebook Page](https://www.facebook.com/javatpoint) [Twitter Page](https://twitter.com/pagejavatpoint) [YouTube](https://www.youtube.com/channel/UCUnYvQVCrJoFWZhKK3O2xLg) [Blog Page](https://javatpoint.blogspot.com/)

### LEARN TUTORIALS

[Learn Java](https://www.javatpoint.com/java-tutorial)[Learn Data Structures](https://www.javatpoint.com/data-structure-tutorial)[Learn C Programming](https://www.javatpoint.com/c-programming-language-tutorial)[Learn C++ Tutorial](https://www.javatpoint.com/cpp-tutorial)[Learn C# Tutorial](https://www.javatpoint.com/c-sharp-tutorial)[Learn PHP Tutorial](https://www.javatpoint.com/php-tutorial)[Learn HTML Tutorial](https://www.javatpoint.com/html-tutorial)[Learn JavaScript Tutorial](https://www.javatpoint.com/javascript-tutorial)[Learn jQuery Tutorial](https://www.javatpoint.com/jquery-tutorial)[Learn Spring Tutorial](https://www.javatpoint.com/spring-tutorial)

### INTERVIEW QUESTIONS

[Java Interview Questions](https://www.javatpoint.com/corejava-interview-questions)[SQL Interview Questions](https://www.javatpoint.com/sql-interview-questions)[Python Interview Questions](https://www.javatpoint.com/python-interview-questions)[JavaScript Interview Questions](https://www.javatpoint.com/javascript-interview-questions)[Angular Interview Questions](https://www.javatpoint.com/top-angular-interview-questions)[Selenium Interview Questions](https://www.javatpoint.com/selenium-interview-questions)[Spring Boot Interview Questions](https://www.javatpoint.com/spring-boot-interview-questions)[HR Interview Questions](https://www.javatpoint.com/job-interview-questions)[C++ Interview Questions](https://www.javatpoint.com/cpp-interview-questions)[Data Structure Interview Questions](https://www.javatpoint.com/data-structure-interview-questions)

### ABOUT

This website is developed to help students on various technologies such as Artificial Intelligence, Machine Learning, C, C++, Python, Java, PHP, HTML, CSS, JavaScript, jQuery, ReactJS, Node.js, AngularJS, Bootstrap, XML, SQL, PL/SQL, MySQL etc.

This website provides tutorials with examples, code snippets, and practical insights, making it suitable for both beginners and experienced developers.

There are also many interview questions which will help students to get placed in the company.

**Spring MVC:** Spring MVC is a Web MVC Framework for building web applications. It contains a lot of configuration files for various capabilities. It is an HTTP oriented web application development framework.

Spring Boot and Spring MVC exist for different purposes. The primary comparison between Spring Boot and Spring MVC are discussed below:

|  |  |
| --- | --- |
| **Spring Boot** | **Spring MVC** |
| **Spring Boot** is a module of Spring for packaging the Spring-based application with sensible defaults. | **Spring MVC** is a model view controller-based web framework under the Spring framework. |
| It provides default configurations to build **Spring-powered** framework. | It provides **ready to use** features for building a web application. |
| There is no need to build configuration manually. | It requires build configuration manually. |
| There is **no requirement** for a deployment descriptor. | A Deployment descriptor is **required**. |
| It avoids boilerplate code and wraps dependencies together in a single unit. | It specifies each dependency separately. |
| It **reduces** development time and increases productivity. | It takes **more** time to achieve the same. |