

Spring-boot-starter Maven Templates

📅 Last Updated: October 25, 2019 👤 By: Lokesh Gupta 📁 Spring Boot, Spring Boot 2

Not very long ago, with the exponential increase in number of libraries and their dependencies, dependency management was becoming very complex task which required good amount of technical expertise to do it correctly. With the introduction of Spring boot starter templates, you can get a lot of help in identifying the correct dependencies to use in project if you want to use any popular library into your project.

Spring Boot comes with over 50+ different starter modules, which provide ready-to-use integration libraries for many different frameworks, such as database connections that are both relational and NoSQL, web services, social network integration, monitoring libraries, logging, template rendering, and the list just keeps going on.

How starter template work?

Spring Boot starters are templates that contain a collection of all the relevant transitive dependencies that are needed to start a particular functionality. Each starter has a special file, which contains the list of all the provided dependencies Spring provides.

These files can be found inside `pom.xml` files in respective starter module. e.g.

The `spring-boot-starter-data-jpa` starter pom file can be found at [github](#).

This tells us that by including `spring-boot-starter-data-jpa` in our build as a dependency, we will automatically get `spring-orm`, `hibernate-entity-manager` and

spring-data-jpa. These libraries will provide us all basic things to start writing JPA/DAO code .

So next time when you want to give your project any specific functionality, I will suggest to check for existing starter templates to see if you can use it directly. Ongoing community additions are always on, so this list is already growing and you can contribute to it as well.

Popular templates and their transitive dependencies

I am listing down some very frequently use spring starters and what dependencies they bring along, for information only.

Starter	spring-boot-starter
Dependencies	spring-boot, spring-context, spring-beans
Starter	spring-boot-starter-jersey
Dependencies	jersey-container-servlet-core, jersey-container-servlet, jersey-server
Starter	spring-boot-starter-actuator
Dependencies	spring-boot-actuator, micrometer-core
Starter	spring-boot-starter-aop
Dependencies	spring-aop, aspectjrt, aspectjweaver
Starter	spring-boot-starter-data-rest
Dependencies	spring-hateoas, spring-data-rest-webmvc
Starter	spring-boot-starter-hateoas
Dependencies	spring-hateoas
Starter	spring-boot-starter-logging
Dependencies	logback-classic, jcl-over-slf4j, jul-to-slf4j
Starter	spring-boot-starter-log4j2

Dependencies	log4j2, log4j-slf4j-impl
Starter	spring-boot-starter-security
Dependencies	spring-security-web, spring-security-config
Starter	spring-boot-starter-test
Dependencies	spring-test, spring-boot,junit,mockito, hamcrest-library, assertj, jsonassert, json-path
Starter	spring-boot-starter-web-services
Dependencies	spring-ws-core

Drop me your questions in comments section.

Happy Learning !!

References:

[Spring boot starters](#)

[Using boot starters](#)

Was this post helpful?

Let us know if you liked the post. That's the only way we can improve.

Yes

No

Recommended Reading:

1. [Spring-boot-starter-parent Example](#)
2. [Create Eclipse Templates for Faster Java Coding](#)

3. [JUnit 5 Test Templates for Eclipse](#)
4. [Angular Templates and Views](#)
5. [Spring Boot Multi-Module Maven Project](#)
6. [Spring Boot war Packaging Example](#)
7. [Spring Boot Dev Tools Tutorial](#)
8. [Maven – Spring Boot Fat/Uber Jar](#)
9. [Spring Boot2 @SpringBootApplication Auto Configuration](#)
0. [Spring Boot Remoting – Spring RMI annotation example](#)

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Ramesh Bejawada

January 4, 2020 at 11:32 pm

simple and crisp..thank a lot.

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Sai Chander

May 8, 2019 at 3:52 pm

nice article. very easy understandable english

[Reply](#)

Saurabh Singh

February 9, 2019 at 9:19 pm

I can see in GitHub spring.provides files are deleted. Now its mentioned in pom.xml

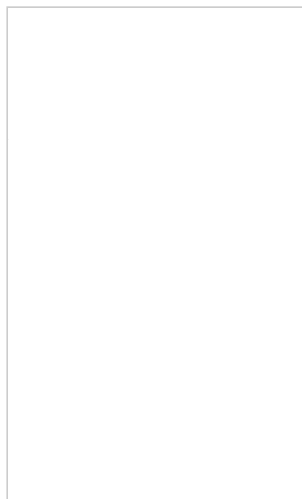
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