

**Introduction to Spring Boot Framework**

Use Cases Manual

Sandbox Link [Spring Boot](https://share.percipio.com/cd/J676mja_Z)

**Spring Boot and Component Scan**

This guide will help you understand the most important concept in Spring - Component Scan. Spring Boot does some magic around Component Scan.

**You will learn**

* What is Component Scan?
* Why is Component Scan important?
* Which packages does Spring Boot do a Component Scan automatically?
* How do you define Component Scan with Spring Boot?
* How do you resolve problems involving Component Scan?

**Tools you will need**

* Maven 3.0+ is your build tool
* Your favorite IDE. We use Eclipse.
* JDK 1.8+

@ComponentScan

* This part of “telling Spring Boot framework where to search for Controller” is called a **Component Scan.**
* Spring Boot would search for Controller in the package and all its sub packages for components/beans.

Component Scan in a Spring Boot Project

* If your other packages hierarchies are below your main app with the @SpringBootApplication annotation, you’re covered by implicit components scan.
* If there are beans/components in other packages which are not sub packages of the main package, you should manually add them as @ComponentScan