**Spring Boot started parent:** provides version to spring jar’s you can override using properties tag.

1. Dependency Versioning
2. Default Plugins
3. Java Version

**Spring Boot started web:** is used get lots of jar instead of adding one by one in maven.

**Spring Boot maven plugin:** is used to create war file.

@SpringBootApplication

**public** **class** Application {

**public** **static** **void** main(String[] args) {

SpringApplication.*run*(Application.**class**, args);

}

}

**Spring Boot auto configure:** jar is there with spring boot it will automatically register Dispatcher servlet, error page and other stuff.

To all auto configuration add this in application.properties file.

logging.level.org.org.springframework=DEBUG

To override or to use specific version of jar user properties tag

<properties>

<java.version>1.8</java.version>

</properties>

**Spring Boot Solves:**

Spring auto configures

Spring Starter’s

**Spring Boot started web service:** is used to for SOAP web services.

**Spring Boot vs Spring:**

**Applications with Spring Framework**

* Over the next few years, a number of applications were developed with Spring Framework
* Testable but
* Lot of configuration (XML and Java)
* Developing Spring Based application need configuration of a lot of beans!
* Integration with other frameworks need configuration as well!
* In the last few years, focus is moving from monolith applications to microservices. We need to be able to start project quickly. Minimum or Zero start up time
* Framework Setup
* Deployment - Configurability
* Logging, Transaction Management
* Monitoring
* Web Server Configuration

**Spring Boot**

* Spring Boot makes it easy to create stand-alone, production-grade Spring based Applications that you can “just run”.
* We take an opinionated view of the Spring platform and third-party libraries so you can get started with minimum fuss.

**Spring Boot vs Spring MVC:**

There is no relation.

Spring MVC provides decoupled way of developing web applications.

Spring Boot configures Dispatcher Servlet

Application.properties

logging.level.org.springframework=INFO

spring.profiles.active=dev (if key is not available it will pick from default properties file)

application.properties (default)

application-dev.properties

application-qa.properties

application-prod.properties



@Profile is used to define bean in specific environment.