

Spring Boot starter Dependencies

Spring boot starter parent

Spring boot starter parent inherits Spring boot dependencies and spring boot dependencies has versions of all the things that we are using along with spring version.

Starter parent has java version that can be overridden in our micro service by using the section called properties in pom.xml

Plugin Management

maven-failsafe-plugin – Used to run integration test

maven-surefire-plugin – Used to run junit test

and lot of other stuffs

Spring boot starter web

Basically provides things like

- * All the dependencies that we need to run web application

If we want to run a web application then we need spring-mvc, spring core, spring bean and lot of other stuff as well

Has Spring boot starter, Spring boot starter tomcat, hibernate validator, spring web, spring webmvc, jackson databind

We need validators, log managing libraries as well.

- * Autoconfiguration

Tomcat – We get this through spring boot starter web. Its a default embedded server.

It has jars like spring boot starter tomcat, tomcat embed core, tomcat embed el, tomcat embed web socket

Typically web apps are developed and put inside the installed tomcat directory. But incase of spring boot application tomcat is present as embedded server.

If you want to deploy application on a linux server, We don't need to install tomcat because tomcat is directly provided by spring boot application.

Here our application not only has the business logic but also has embedded server to run along with it.

DevTools

DevTools library monitor for the changes all the time, Only the predefined dynamic folders not the static folders.

Because static folders like Maven Dependency, pom.xml not often change but only business logic does.

When you kill the running application and start it again it is going to take lot of time. But DevTools restart application in a faster way while developing web applications because it does not restart everything it restarts only the dynamic folder changes