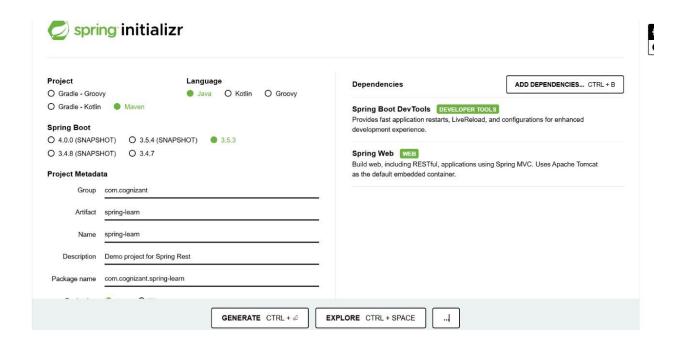
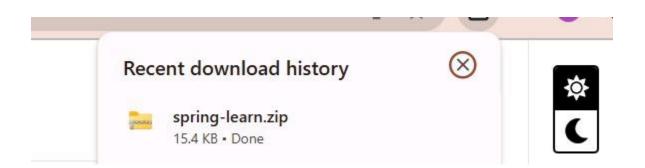
Create a Spring Web Project using Maven

Follow steps below to create a project:

- 1. Go to https://start.spring.io/
- 2. Change Group as "com.cognizant"
- 3. Change Artifact Id as "spring-learn"
- 4. Select Spring Boot DevTools and Spring Web
- 5. Create and download the project as zip
- 6. Extract the zip in root folder to Eclipse Workspace
- 7. Build the project using 'mvn clean package Dhttp.proxyHost=proxy.cognizant.com -Dhttp.proxyPort=6050 Dhttps.proxyHost=proxy.cognizant.com -Dhttps.proxyPort=6050 Dhttp.proxyUser=123456' command in command line
- 8. Import the project in Eclipse "File > Import > Maven > Existing Maven Projects > Click Browse and select extracted folder > Finish"
- 9. Include logs to verify if main() method of SpringLearnApplication.
- 10. Run the SpringLearnApplication class.





SME to walk through the following aspects related to the project created:

1. src/main/java - Folder with application code

package com.cognizant.spring_learn;

import org.springframework.boot.SpringApplication; import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication
public class SpringLearnApplication {

```
public static void main(String[] args) {
          SpringApplication.run(SpringLearnApplication.class, args);
}
```

```
: Starting SpringLearnApplication using Java 17.0.12 with PID 53: No active profile set, falling back to 1 default profile: "def : Devtools property defaults active! Set 'spring.devtools.add-pr: For additional web related logging consider setting the 'loggi 'Tomcat initialized with port 8080 (http): Starting service [Tomcat]: Starting Service meat]: Starting Service tengine: [Apache Tomcat/10.1.42]: Initializing Spring embedded WebApplicationContext: Root WebApplicationContext: initialization completed in 1519 m: LiveReload server is running on port 35729

'Tomcat started on port 80800 (http) with context path '/': Started SpringLearnApplication in 3.047 seconds (process runni
2025-07-13T11:38:54.168+05:30
2025-07-13T11:38:54.178+05:30
2025-07-13T11:38:54.337+05:30
2025-07-13T11:38:54.337+05:30
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w.s.c.ServletwebServerApplicationContext
o.s.b.d.a.OptionalLiveReloadServer
o.s.b.w.embedded.tomcat.TomcatWebServer
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                                                                                                                                                                                                       restartedMain c.c.spring_learn.SpringLearnApplication
```

- src/main/resources Folder for application configuration
 spring.application.name=spring-learn
- 3. src/test/java Folder with code for testing the application package com.cognizant.spring learn;

```
import\ org. junit. jupiter. api. Test; \\ import\ org. spring framework. boot. test. context. Spring Boot Test; \\
```

```
@SpringBootTest

class SpringLearnApplicationTests {
  @Test

void contextLoads() {
}}
```

}

4. SpringLearnApplication.java - Walkthrough the main() method.

```
package com.cognizant.spring_learn;
```

```
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
@SpringBootApplication
public class SpringLearnApplication {
    public static void main(String[] args) {
        SpringApplication.run(SpringLearnApplication.class, args);
}
```

5. Purpose of @SpringBootApplication annotation

The @SpringBootApplication annotation is a convenience annotation introduced by Spring Boot that combines three core annotations commonly used in Spring-based applications:

What it Includes Internally

@SpringBootApplication

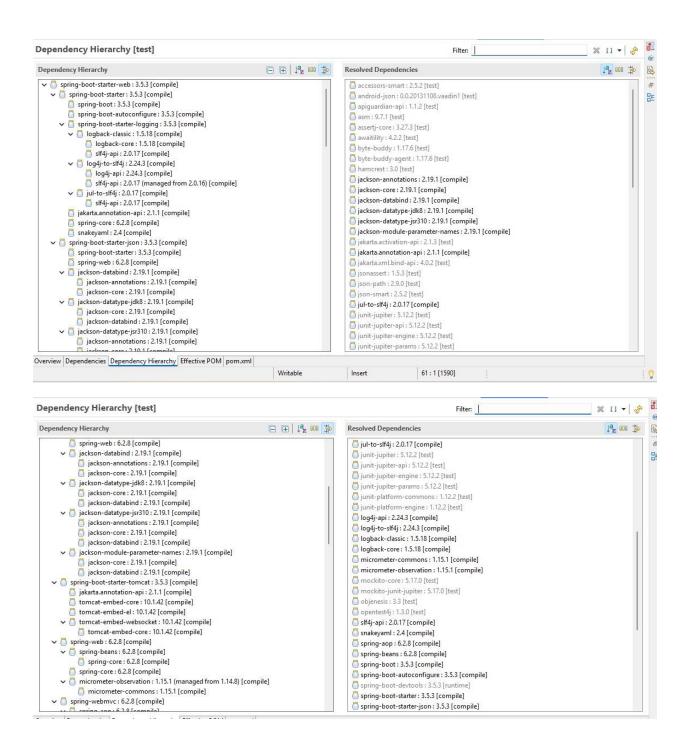
// is equivalent to:

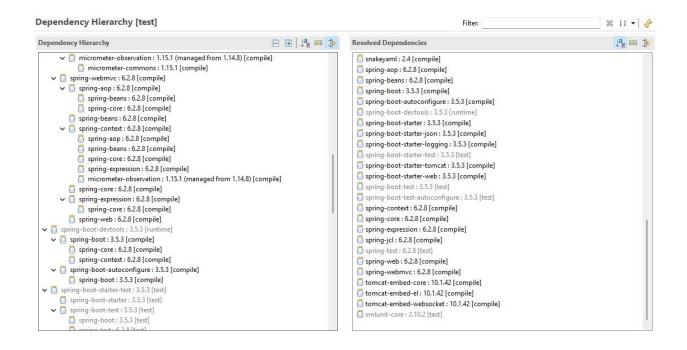
@Configuration

@EnableAutoConfiguration

@ComponentScan

- 6. pom.xml
- 1. Walkthrough all the configuration defined in XML file
- 2. Open 'Dependency Hierarchy' and show the dependency tree.





SUPERSET ID: 6407636

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