

Spring-React Integration setup

Notebook: First Notebook

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1. create the react app from inside the directory of the maven project
2. do a **npm install**
3. create some sample html and check if it works on the tomcat server 8080 and the npm server 3000 (the create-react-app)
4. do a **npm run build** ---> you should be able to see the build folder in the react folder
5. do a **maven clean package** ----> you should see the react files in the **target/classes/static** folder.
6. add the dependencies for the "**Spring boot maven plugin**" & "**frontend-maven-plugin**" check the documentation
7. write the **executions** for installing node and npm & npm build also.
8. write the **Configurations** and mention the **working directory** (where ever the package.json file is)
9. add the **maven-resources-plugin** from org.apache.maven.plugin (this is done to copy the react files to the **target/static** folder bcz target is used while building the project)
10. mention **phase** process-resources & **goal** copy-resources & mention **outputDirectory** **target/classes/static** folder path.
 1. under <resource> <directory> (mention the folder path of the build folder in the react app) </directory> </resource>
11. run a **maven clean package** --> you should get a jar file showing up in the folder directory on the left.
12. run the project jar generated in the cmd using "**java -jar jarfile_path**"