

Memo for IntelliJ IDEA

This is a general info updated based on the following meeting notes:

- [2018-10-20 Geb & Spock Workshop Pre-Requisites notes](#)
- [2019-11-23 Geb and Spock Workshop 55 Meeting notes](#)

Note:

Ralph Navarro is the original generator. This doc may serve as a general reference for people who need to install/update their IntelliJ IDEA in the future. It is a living doc and welcome any one in the TSSG team to update/Modify as needed.

| General procedures for install software related to IntelliJ IDEA |
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| 0. Install Java version 8 on windows (We may support higher Java version) |
| Edit System Environment Variables: |
| a. Add variables: JAVA_HOME |
| b. Add path: c:\Program Files\Java |
| 1. Install IntelliJ IDEA Community Edition for Windows |
| 2. Install related software packages In docker: |
| a. get sdkman first: |
| <code>curl -s "https://get.sdkman.io" bash</code> |
| b. Install groovy with desired version (sdk list groovy) |
| <code>sdk install groovy 2.5.3 (example)</code> |
| c. Install gradle with desired version (sdk list gradle) |
| <code>sdk install gradle 5.6.4 (example)</code> |
| 3. Import from source: the tssgTech local git repository |
| 4. Import Gradle Module. |
| a. Right click on tssgTech/tests/GebAndSpock/build.gradle |
| b. In popup menu, select Import Gradle Module (about 70% down the list) |
| c. In status bar (bottom of IDEA window), wait for import and index. |
| d. Gradle tab will show up on right side of IDEA window. |
| 5. Setup multipage branch |
| a. In IDEA window, bottom right corner, click on Git: <branch> |
| b. Select the remote branch multipage |
| c. In the popup, name the local branch multipage |
| 6. Configure IDEA to run the Gradle chromeTest task |
| Create a Gradle Environment Configuration |
| a. In Edit Configuration dropdown (top right area of IDEA window), click drop down and select Edit Configuration |
| b. In Popup, on top left, click '+' and select Gradle |
| c. Give the Gradle environment a name (e.g. Run chromeTest) |
| d. Select Gradle project: tssgTech/tests/GebAndSpock |
| e. In Tasks, enter chromeTest |
| f. Click OK button in bottom right of popup. |
| 7. Run Geb and Spock tests in Selenium Grid |

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| a. This is the default configuration in src/test/resources/GebConfig.groovy |
| b. In the chromeTest environment, select the green play button |
| 8. Configure Geb and Spock to run tests locally |
| a. n src/test/resources/GebConfig.groovy, chrome {} section, |
| comment out the entire section driver = {} that starts with DesiredCapabilities |
| b. Un-comment: driver = { new ChromeDriver() } |
| 9. Run Geb and Spock tests Locally. |
| a. Run the Gradle environment you created earlier. |
| b. Select the green play button |
| 10. Review test reports |
| a. in GebAndSpock/build/reports/chromeTest/ |
| i. tests/index.html # contains report as html |
| ii. geb/Tests/TSSGTechSpec # contains screenshots |
| 11. Others: IntelliJ IDEA |
| a. Menu: File Settings Tools Terminal Shell path |
| On Windows + Docker Toolbox: Set to the same configuration as the Quickstart |
| Terminal shortcut's properties launch command line. |
| On Linux: Set to location of bash (e.g. /bin/bash) |
| b. Menu: File -> Settings -> Build, Execution, Deployment: |
| Gradle: Gradle Projects -> GebAndSpoke -> Build and run using: IntelliJ IDEA |
| Run tests using: IntelliJ IDEA |