**Open JDK and Open Java FX Integration with registration-client**

1. **The Downloaded URL for Open JDK :** [**https://jdk.java.net/archive/**](https://jdk.java.net/archive/)
2. **The Download URL for Open Java FX :** [**https://openjfx.io/**](https://openjfx.io/)
3. Contains only with the default java packages. [I verified the lib folder only one base jar is available].
4. Required dependencies needs to be add as modules to the existing one as mentioned below.[Example executed command]
5. If we copy the third party libraries in the **OPEN\_JDK\_JAVA\_HOME/lib/** the Open JDK is not recognizing them. [Tested for Java FX Jars]
6. Command to execute the application is
   1. java **--module-path**   **D:\jdk-10.0.2\lib**  **--add-modules=java.xml.bind,javafx.controls,javafx.fxml,javafx.web,javafx.swing** -jar    **D:\jdk-9.0.4\registration-client.jar**

**<Path where                                                                                                                                                                                <Path, where the client jar is there>**

**modules**

**available>**

Matrix for the Open JDK and Open JavaFX versions WRT the current running registration client module.

|  |  |  |
| --- | --- | --- |
| Modules | Availability/Version | Comments |
| **OpenJDK** | **10.0.2** | 1. The starting versions to download from the provided URL is **from JDK 9 , to 12** for       windows.  2. I didn’t see **Open** **JDK 8** version for windows OS.  3. Able to download **9.X or10.X** packages, not for the above versions. [ I hope 10 is enough] |
| **Open Java FX** | **11.0.2** | The Features for [**Current working Oracle**] **Java FX 2.0** are available for the **Open Java FX** version 11 and above. |
| **Derby DB** | **No Available** | **Derby is not part of default Open JDK** |
| **Javax.Xml** | Need to specify separately | Not coming with default Open JDK |
| **JavaFx.controles** | Need to specify separately | Not coming with default Open JDK |
| **Javafx.fxml** | Need to specify separately | Not coming with default Open JDK |
| **Javafx.web** | Need to specify separately | Not coming with default Open JDK |
| **Javafx.swing** | Need to specify separately | Not coming with default Open JDK |
| **Javafx.base** | Need to specify separately | Not coming with default Open JDK |
| **Jrt-fs** | **Need to remove from the  Open JDK lib folder** | Because the **javafx.base** and **jrt-fs** having same base classes. So we need to remove. |
| Java.unlimited policy | Need to modify | Default come up with limited policy |
| **Other Serial port jars [RXTX.jars]** | Need to specify separately | Because if we copy those jars as part of the lib . **Open JDK** is not losing any classes other than the default classes. |

**Pending Items:**

|  |  |  |
| --- | --- | --- |
| Modules | Status | Description |
| **Rxtx DLL’s** | Pending | Need to identifies the way to how the DLL ‘s will be added to the modules. |
| **Certificates** | Pending | Need to verify for this |
| **Application end to end application testing** | Pending | Need to check for the all scenarios. |
| **Separate jar launching [Client, Service and lib separate folders].** | Pending | Need to check for the Class path in open JDK. |

**Note:  Application launched with thick Jar, able to launch the application.**