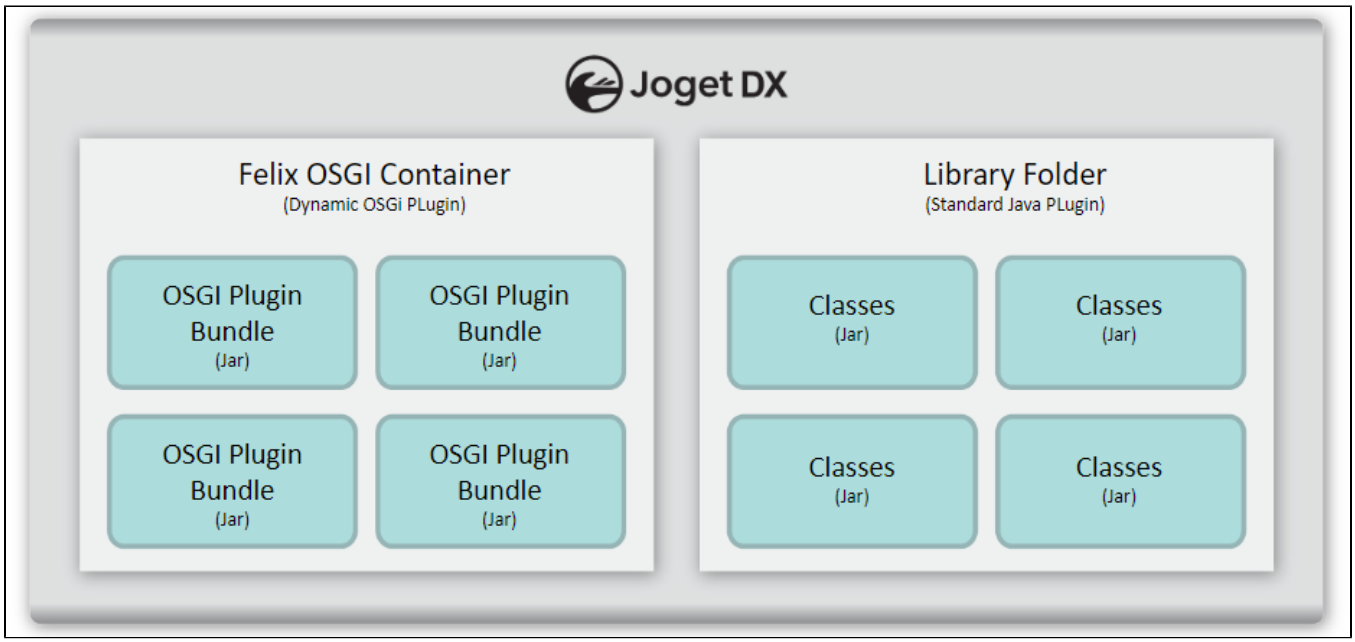
Introduction to Plugin Architecture

- Plugin Packaging
  - Standard Java Plugin
  - Dynamic OSGi Plugin
- Plugin Types

Plugin Packaging

Joget supports 2 types of plugin packaging, there are Standard Java Plugin and Dynamic OSGI Plugin.



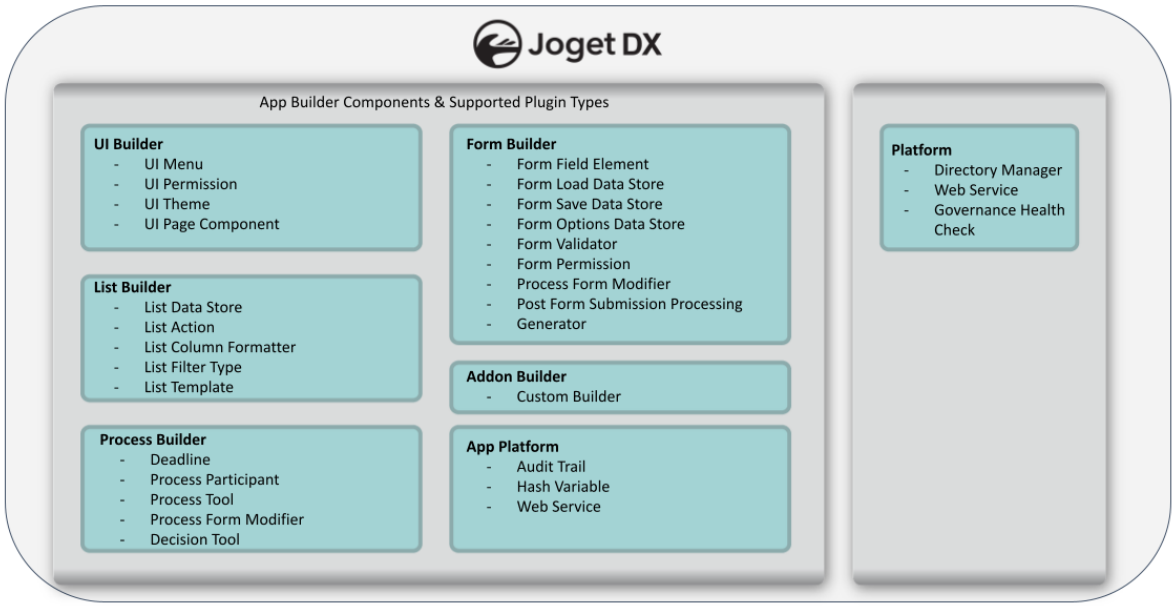
Standard Java Plugin

- Build as a standard Java JAR
- Plugin classes should be placed in a package name starting with "org.joget". *(OEM release package are allowed to specify other package names)*
- Make JAR available in the Java classpath (e.g., place it under WEB-INF/lib or application server lib folder).
- Requires restarting the JVM for deployment or changes.
- May cause library version conflicts with base libraries or other plugins.
- Easier to develop and test using normal Java classes and libraries.

Dynamic OSGi Plugin

- Build as an OSGi (Open Services Gateway initiative framework) JAR bundle.
- Deploy JAR using the Manage Plugins in the Web Console.
- Supports dynamic loading/unloading/reloading without restarting.
- Runs in isolated mode, preventing library version conflict with base libraries or other plugins.
- More difficult to develop and test due to OSGi configuration and isolation.
- Technology powering this structure: Apache Felix.

Plugin Types



- Audit Trail Plugin
- Create App Option
- Custom Builder Plugin
- Datalist Action Plugin
- Datalist Binder Plugin
- Datalist Column Formatter Plugin
- Datalist Filter Type Plugin
- Deadline Plugin
- Decision Tool Plugin
- Directory Manager Plugin
- Form Field Element Plugin
- Form Load/Options/Store Binder Plugin
- Form Validator Plugin
- Generator Plugin
- Hash Variable Plugin
- Multi Factor Authenticator Plugin
- Process Form Modifier Plugin
- Process Participant Plugin
- Process Tool & Post Form Submission Processing Plugin
- Tensorflow Helper Plugin
- Userview Menu Plugin
- Userview Permission/ Form Permission Plugin
- Userview Theme Plugin
- Web Service Plugin