**What is ChemDraw JS?**

ChemDraw JS is an HTML5/JavaScript implementation of ChemDraw that enables developers to embed chemical drawing and intelligence functionality into any web based application.

**What do I need to develop a ChemDraw JS powered application?**

ChemDraw JS is implemented as a JavaScript library that can be readily embedded into any web based application. The host application developer needs to include an HTML `<script>` reference to the location of the ChemDraw JS JavaScript files and a single HTML `<DIV>` tag within their page to host the drawing canvas. Chemical content can be programmatically set or retrieved from the host page via JavaScript.

Some advanced functionality such as structure clean up, chemical data format and image conversions/calculations require an additional server-side component that exposes REST services used by the ChemDraw JS client. The host application developer can enable/disable the features that require the service as well as control the service end-point used by the client.

**How do I deploy ChemDraw JS with my application?**

Package and deliver the ChemDraw JS JavaScript library and supporting REST service together with your own application. To that end, ChemDraw JS is distributed as a standard Windows installer package that deploys an embedded HTTP server configured to deliver both the JavaScript library and REST service end-points. The ChemDraw JS REST service can only be installed on a Microsoft Windows operating system. The JavaScript libraries can optionally be delivered from your own HTTP server under any operating system.
Q: Do end-users need to install any software?
A: No. All the end-user needs to run is a compliant web browser with network access to the ChemDraw JS server.

Q: What is “extended copy-paste”?
A: Modern browsers place restrictions on what data can be read from the clipboard. Most chemical drawing programs place data on the clipboard in a format that cannot be read by any web browser. Extended copy-paste enables ChemDraw JS to read chemical structures from the clipboard, but require installing an additional browser applet or extension.

Q: Can I copy/paste from ChemDraw JS into other applications?
A: Yes. With an additional, browser-specific clipboard extension, it is possible to copy (Ctrl+C) ChemDraw JS objects and paste them into ChemDraw or a MS Office document. After modifying them, you can paste them from ChemDraw or MS Word/Powerpoint back into ChemDraw JS without loss of information. (Windows only, does not work with MS Office Online documents).

Figure 3. ChemDraw JS Sketcher in PerkinElmer Signals™ Notebook.

End user tools/actions:
- Name-to-Structure
- Structure-to-Name

JavaScript API calls:
- findReactions
- getProperties
- getSVG
- getMolecularWeight
- nameToStructure
- structureToName