MedFinder   
Technologies

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# About this Document

This document enumerates the technologies used in the MedFinder application.

# Technologies

## Server Technologies

|  |  |  |
| --- | --- | --- |
| Technology | Usage | License |
| [Hibernate](http://hibernate.org/) | JPA implementation for management and persistence of data | [LGPL 2.1](https://www.gnu.org/licenses/old-licenses/lgpl-2.1.en.html)  [Apache License 2.0](http://www.apache.org/licenses/LICENSE-2.0) |
| [RestEasy](http://resteasy.jboss.org/) | JAX-RS implementation for REST web services | [Apache License 2.0](http://www.apache.org/licenses/LICENSE-2.0) |
| [Apache HttpComponents](https://hc.apache.org/) | HTTP client for making requests to the OpenFDA API | [Apache License 2.0](http://www.apache.org/licenses/LICENSE-2.0) |
| [Apache Commons](https://commons.apache.org/) | Common utilities libraries | [Apache License 2.0](http://www.apache.org/licenses/LICENSE-2.0) |
| [OWASP ESAPI](https://www.owasp.org/index.php/Category:OWASP_Enterprise_Security_API#tab=Java_EE) | Encoding utilities | [BSD](http://opensource.org/licenses/BSD-3-Clause) |

## Client Technologies

|  |  |  |
| --- | --- | --- |
| Technology | Usage | License |
| [Bootstrap](http://getbootstrap.com/) | UI framework | [MIT](http://opensource.org/licenses/MIT) |
| [jQuery](http://jquery.com/) | JavaScript utility library | [MIT](http://opensource.org/licenses/MIT) |
| [jQuery Validation](http://jqueryvalidation.org/) | JavaScript form validation | [MIT](http://opensource.org/licenses/MIT) |
| [OWASP ESAPI4JS](https://code.google.com/p/owasp-esapi-js/) | Encoding utilities | [BSD](http://opensource.org/licenses/BSD-3-Clause) |

## Build Technologies

| Technology | Usage | License |
| --- | --- | --- |
| [Apache Maven](https://maven.apache.org/) | Server code build tool | [Apache License 2.0](http://www.apache.org/licenses/LICENSE-2.0) |
| [Grunt](http://gruntjs.com/) | Task runner for client code processors | [MIT](http://opensource.org/licenses/MIT) |
| [Less](http://lesscss.org/) | CSS pre-processor | [Apache License 2.0](http://www.apache.org/licenses/LICENSE-2.0) |
| [JS Beautifier](http://jsbeautifier.org/) | JavaScript code formatter | [MIT](http://opensource.org/licenses/MIT) |

## Deployment Technologies

|  |  |  |
| --- | --- | --- |
| Technology | Usage | License |
| [WildFly](http://wildfly.org/) | Application server | [LGPL 2.1](https://www.gnu.org/licenses/old-licenses/lgpl-2.1.en.html) |
| [MySQL](https://www.mysql.com/) | Database | [FOSS Licenses](https://www.mysql.com/about/legal/licensing/foss-exception/) |
| [Docker](https://www.docker.com/) | Container deployment platform | [Apache License 2.0](http://www.apache.org/licenses/LICENSE-2.0) |