



## Third Party Software List

File Name	Version	Project
com.liferay.adaptive.media.image.impl.jar!metadata-extractor.jar	2.13.0	metadata-extractor ( <a href="https://drewnoakes.com/code/exif/">https://drewnoakes.com/code/exif/</a> )
com.liferay.adaptive.media.image.impl.jar!xmpcore.jar	6.0.6	XMP Library for Java ( <a href="https://zerowing.corp.adobe.com/display/c">https://zerowing.corp.adobe.com/display/c</a> )
com.liferay.alloy.mvc.jar!asm-util.jar	4.1	ASM Utilities ( <a href="http://asm.objectweb.org">http://asm.objectweb.org</a> )
com.liferay.alloy.mvc.jar!asm.jar	4.1	ASM Core ( <a href="http://asm.objectweb.org">http://asm.objectweb.org</a> )
com.liferay.batch.engine.service.jar!SparseBitSet.jar	1.2	SparseBitSet ( <a href="https://github.com/brettwooldridge/SparseBitSet">https://github.com/brettwooldridge/SparseBitSet</a> )
com.liferay.batch.engine.service.jar!commons-collections4.jar	4.3	Apache Commons Collections ( <a href="http://commons.apache.org/prop">http://commons.apache.org/prop</a> )
com.liferay.batch.engine.service.jar!poi-ooxml-schemas.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.batch.engine.service.jar!poi-ooxml.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.batch.engine.service.jar!poi.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.batch.engine.service.jar!xmlbeans.jar	3.1.0	XmlBeans ( <a href="https://xmlbeans.apache.org/">https://xmlbeans.apache.org/</a> )
com.liferay.blogs.service.jar!jericho-html.jar	3.1	Jericho HTML Parser ( <a href="http://jericho.htmlparser.net">http://jericho.htmlparser.net</a> )
com.liferay.calendar.api.jar!com.google.ical.jar	20110304	com.google.ical
com.liferay.calendar.service.jar!backport-util-concurrent.jar	3.1	Backport of JSR 166 ( <a href="http://backport-jsr166.sourceforge.net/">http://backport-jsr166.sourceforge.net/</a> )
com.liferay.captcha.api.jar!filters.jar	2.0.235	JHLabs Image Processing Filters ( <a href="http://www.jhlabs.com/ip/index">http://www.jhlabs.com/ip/index</a> )
com.liferay.comment.sanitizer.jar!checker-qual.jar	3.11.0	Checker Qual ( <a href="https://checkerframework.org">https://checkerframework.org</a> )
com.liferay.comment.sanitizer.jar!error_prone_annotations.jar	2.2.0	error-prone annotations
com.liferay.comment.sanitizer.jar!failureaccess.jar	1.0.1	Guava InternalFutureFailureAccess and InternalFutures ( <a href="https://github.com/google/guava/wiki/100-FAQ#Q1-What-is-failureaccess-used-for">https://github.com/google/guava/wiki/100-FAQ#Q1-What-is-failureaccess-used-for</a> )
com.liferay.comment.sanitizer.jar!guava.jar	30.1.1-jre	Guava: Google Core Libraries for Java ( <a href="https://github.com/google/guava">https://github.com/google/guava</a> )
com.liferay.comment.sanitizer.jar!j2objc-annotations.jar	1.3	J2ObjC Annotations ( <a href="https://github.com/google/j2objc/">https://github.com/google/j2objc/</a> )
com.liferay.comment.sanitizer.jar!listenablefuture.jar	9999.0-empty-to-avoid-conflict-with-guava	Guava ListenableFuture only
com.liferay.comment.sanitizer.jar!owasp-java-html-sanitizer.jar	20211018.2	OWASP Java HTML Sanitizer ( <a href="https://owasp.org">https://owasp.org</a> )
com.liferay.commerce.google.merchant.jar!jackson-dataformat-xml.jar	2.10.3	Jackson-dataformat-XML ( <a href="https://github.com/FasterXML/jacksonor">https://github.com/FasterXML/jacksonor</a> )
com.liferay.commerce.google.merchant.jar!jsch.jar	0.1.55	JSch ( <a href="http://www.jcraft.com/jsch/">http://www.jcraft.com/jsch/</a> )
com.liferay.commerce.google.merchant.jar!jzlib.jar	1.1.3	JZlib ( <a href="http://www.jcraft.com/jzlib/">http://www.jcraft.com/jzlib/</a> )

com.liferay.commerce.order.content.web.jar!commons-csv.jar	1.8	Apache Commons CSV ( <a href="https://commons.apache.org/proper/commons-csv/">https://commons.apache.org/proper/commons-csv/</a> )
com.liferay.commerce.payment.method.authorize.net.jar!anet-java-sdk.jar	1.9.9	Authorize.Net Java SDK ( <a href="http://developer.authorize.net/">http://developer.authorize.net/</a> )
com.liferay.commerce.payment.method.authorize.net.jar!gson.jar	2.8.5	Gson
com.liferay.commerce.payment.method.mercanet.jar!commons-codec.jar	1.15	Apache Commons Codec ( <a href="https://commons.apache.org/proper/commons-codec/">https://commons.apache.org/proper/commons-codec/</a> )
com.liferay.commerce.payment.method.mercanet.jar!commons-lang3.jar	3.11	Apache Commons Lang ( <a href="https://commons.apache.org/proper/commons-lang/">https://commons.apache.org/proper/commons-lang/</a> )
com.liferay.commerce.payment.method.mercanet.jar!jackson-datatype-jsr310.jar	2.12.1	Jackson datatype: JSR310 ( <a href="https://github.com/FasterXML/jackson-datatype-jsr310">https://github.com/FasterXML/jackson-datatype-jsr310</a> )
com.liferay.commerce.payment.method.mercanet.jar!payment-sdk-common.jar	1.4.1	SIPS Payment SDK ( <a href="https://github.com/worldline/sips-sdk-java/">https://github.com/worldline/sips-sdk-java/</a> )
com.liferay.commerce.payment.method.paypal.jar!checkout-sdk.jar	1.0.3	checkout-sdk ( <a href="https://github.com/paypal/Checkout-Java-SDK.git">https://github.com/paypal/Checkout-Java-SDK.git</a> )
com.liferay.commerce.payment.method.paypal.jar!commons-lang3.jar	3.6	Apache Commons Lang ( <a href="http://commons.apache.org/proper/commons-lang/">http://commons.apache.org/proper/commons-lang/</a> )
com.liferay.commerce.payment.method.paypal.jar!gson.jar	2.2.2	Gson ( <a href="http://code.google.com/p/google-gson/">http://code.google.com/p/google-gson/</a> )
com.liferay.commerce.payment.method.paypal.jar!json.jar	20180813	JSON in Java ( <a href="https://github.com/douglascrockford/JSON-java">https://github.com/douglascrockford/JSON-java</a> )
com.liferay.commerce.payment.method.paypal.jar!paypalhttp.jar	1.0.1	paypalhttp ( <a href="https://github.com/paypal/paypalhttp_java.git">https://github.com/paypal/paypalhttp_java.git</a> )
com.liferay.commerce.payment.method.paypal.jar!rest-api-sdk.jar	1.14.0	rest-api-sdk ( <a href="https://github.com/paypal/PayPal-Java-SDK.git">https://github.com/paypal/PayPal-Java-SDK.git</a> )
com.liferay.commerce.report.impl.jar!SparseBitSet.jar	1.2	SparseBitSet ( <a href="https://github.com/brettwooldridge/SparseBitSet">https://github.com/brettwooldridge/SparseBitSet</a> )
com.liferay.commerce.report.impl.jar!commons-codec.jar	1.12	Apache Commons Codec ( <a href="http://commons.apache.org/proper/commons-codec/">http://commons.apache.org/proper/commons-codec/</a> )
com.liferay.commerce.report.impl.jar!commons-collections4.jar	4.3	Apache Commons Collections ( <a href="http://commons.apache.org/proper/commons-collections4/">http://commons.apache.org/proper/commons-collections4/</a> )
com.liferay.commerce.report.impl.jar!commons-dbcp2.jar	2.0	Apache Commons DBCP ( <a href="http://commons.apache.org/proper/commons-dbcp2/">http://commons.apache.org/proper/commons-dbcp2/</a> )
com.liferay.commerce.report.impl.jar!commons-digester.jar	2.1	Commons Digester ( <a href="http://commons.apache.org/digester/">http://commons.apache.org/digester/</a> )
com.liferay.commerce.report.impl.jar!commons-math3.jar	3.6.1	Apache Commons Math ( <a href="http://commons.apache.org/proper/commons-math3/">http://commons.apache.org/proper/commons-math3/</a> )
com.liferay.commerce.report.impl.jar!commons-pool2.jar	2.4.2	Apache Commons Pool ( <a href="http://commons.apache.org/proper/commons-pool2/">http://commons.apache.org/proper/commons-pool2/</a> )
com.liferay.commerce.report.impl.jar!core.jar	3.2.1	ZXing Core
com.liferay.commerce.report.impl.jar!curvesapi.jar	1.06	curvesapi ( <a href="https://github.com/virtuald/curvesapi">https://github.com/virtuald/curvesapi</a> )
com.liferay.commerce.report.impl.jar!ecj.jar	4.4.2	Eclipse Compiler for Java(TM) ( <a href="http://www.eclipse.org/jdt/">http://www.eclipse.org/jdt/</a> )
com.liferay.commerce.report.impl.jar!groovy-all.jar	2.4.21	Groovy Runtime ( <a href="http://groovy-lang.org">http://groovy-lang.org</a> )
com.liferay.commerce.report.impl.jar!httpClient.jar	4.5.13	Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-client/">http://hc.apache.org/httpcomponents-client/</a> )
com.liferay.commerce.report.impl.jar!httpcore.jar	4.4.14	HttpComponents Apache HttpCore ( <a href="http://hc.apache.org/httpcomponents-core/">http://hc.apache.org/httpcomponents-core/</a> )
com.liferay.commerce.report.impl.jar!icu4j.jar	57.1	ICU4J ( <a href="http://icu-project.org/">http://icu-project.org/</a> )
com.liferay.commerce.report.impl.jar!itext.jar	2.1.7	iText, a Free Java-PDF library ( <a href="http://www.lowagie.com/iText/">http://www.lowagie.com/iText/</a> )
com.liferay.commerce.report.impl.jar!jasperreports-fonts.jar	6.8.1	JasperReports Font Extension ( <a href="http://jasperreports.sourceforge.net/">http://jasperreports.sourceforge.net/</a> )
com.liferay.commerce.report.impl.jar!jasperreports-metadata.jar	6.8.1	JasperReports Metadata ( <a href="http://jasperreports.sourceforge.net/">http://jasperreports.sourceforge.net/</a> )
com.liferay.commerce.report.impl.jar!jasperreports.jar	6.8.1	JasperReports Library ( <a href="http://jasperreports.sourceforge.net/">http://jasperreports.sourceforge.net/</a> )
com.liferay.commerce.report.impl.jar!jcommon.jar	1.0.24	JCommon ( <a href="http://www.jfree.org/jcommon/">http://www.jfree.org/jcommon/</a> )

com.liferay.commerce.report.impl.jar!jfreechart.jar	1.0.19	JFreeChart ( <a href="http://www.jfree.org/jfreechart/">http://www.jfree.org/jfreechart/</a> )
com.liferay.commerce.report.impl.jar!jxl.jar	2.6.10	jxl ( <a href="http://www.jexcelapi.org">http://www.jexcelapi.org</a> )
com.liferay.commerce.report.impl.jar!lucene-analyzers-common.jar	7.1.0	Lucene Common Analyzers
com.liferay.commerce.report.impl.jar!lucene-core.jar	7.1.0	Lucene Core
com.liferay.commerce.report.impl.jar!lucene-queries.jar	7.1.0	Lucene Queries
com.liferay.commerce.report.impl.jar!lucene-queryparser.jar	7.1.0	Lucene QueryParsers
com.liferay.commerce.report.impl.jar!lucene-sandbox.jar	7.1.0	Lucene Sandbox
com.liferay.commerce.report.impl.jar!olap4j.jar	1.2.0	olap4j ( <a href="http://github.com/olap4j/olap4j">http://github.com/olap4j/olap4j</a> )
com.liferay.commerce.report.impl.jar!poi-ooxml-schemas.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.commerce.report.impl.jar!poi-ooxml.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.commerce.report.impl.jar!poi.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.commerce.report.impl.jar!xmppcore.jar	5.1.3	XMP Library for Java ( <a href="http://www.adobe.com/devnet/xmp.html">http://www.adobe.com/devnet/xmp.html</a> )
com.liferay.commerce.shipping.engine.fedex.jar!com.fedex.ws.jar	1.0.0	com.fedex.ws
com.liferay.commerce.shipping.engine.fedex.jar!commons-discovery.jar	0.4	org.apache.commons.discovery ( <a href="http://jakarta.apache.org/comm">http://jakarta.apache.org/comm</a>
com.liferay.commerce.shipping.engine.fedex.jar!org.apache.axis.jar	1.4.LIFERAY-PATCHED-6	org.apache.axis
com.liferay.content.dashboard.web.jar!SparseBitSet.jar	1.2	SparseBitSet ( <a href="https://github.com/brettwooldridge/SparseBitSet">https://github.com/brettwooldridge/SparseBitSet</a> )
com.liferay.content.dashboard.web.jar!commons-collections4.jar	4.3	Apache Commons Collections ( <a href="http://commons.apache.org/prop">http://commons.apache.org/prop</a>
com.liferay.content.dashboard.web.jar!commons-lang3.jar	3.12.0	Apache Commons Lang ( <a href="https://commons.apache.org/proper/cc">https://commons.apache.org/proper/cc</a>
com.liferay.content.dashboard.web.jar!commons-math3.jar	3.6.1	Apache Commons Math ( <a href="http://commons.apache.org/proper/cor">http://commons.apache.org/proper/cor</a>
com.liferay.content.dashboard.web.jar!poi-ooxml-schemas.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.content.dashboard.web.jar!poi-ooxml.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.content.dashboard.web.jar!poi.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.content.dashboard.web.jar!xmlbeans.jar	3.1.0	XmlBeans ( <a href="https://xmlbeans.apache.org/">https://xmlbeans.apache.org/</a> )
com.liferay.data.engine.rest.impl.jar!accessors-smart.jar	2.4.2	ASM based accessors helper used by json-smart ( <a href="https://urielch">https://urielch</a> .
com.liferay.data.engine.rest.impl.jar!gson.jar	2.8.4	Gson
com.liferay.data.engine.rest.impl.jar!json-path.jar	2.2.0	Json Path ( <a href="https://github.com/jayway/JsonPath">https://github.com/jayway/JsonPath</a> )
com.liferay.data.engine.rest.impl.jar!json-smart.jar	2.4.2	JSON Small and Fast Parser ( <a href="https://urielch.github.io/">https://urielch.github.io/</a> )
com.liferay.diff.impl.jar!java-diff.jar	1.1	Java Diff ( <a href="http://incava.org/projects/java/java-diff/">http://incava.org/projects/java/java-diff/</a> )
com.liferay.diff.impl.jar!nekohtml.jar	1.9.22	Neko HTML ( <a href="http://nekohtml.sourceforge.net/">http://nekohtml.sourceforge.net/</a> )
com.liferay.diff.impl.jar!org.outerj.daisy.diff.jar	1.2.0-atlassian-hosted.LIFERAY-PATCHED-2	org.outerj.daisy.diff
com.liferay.digital.signature.impl.jar!oauth.jar	20100527	OAuth Core
com.liferay.document.library.asset.auto.tagger.tensorflow.jar!libtensorflow.jar	1.15.0	libtensorflow

com.liferay.document.library.asset.auto.tagger.tensorflow.jar!tensorflow.jar	1.15.0	tensorflow
com.liferay.document.library.document.conversion.jar!juh.jar	2.3.0	OpenOffice.org "javaunohelper" module ( <a href="http://udk.openoffice.org">http://udk.openoffice.org</a> )
com.liferay.document.library.document.conversion.jar!jurt.jar	2.3.0	OpenOffice.org "jurt" module ( <a href="http://udk.openoffice.org">http://udk.openoffice.org</a> )
com.liferay.document.library.document.conversion.jar!ridl.jar	2.3.0	OpenOffice.org "ridljar" module ( <a href="http://udk.openoffice.org">http://udk.openoffice.org</a> )
com.liferay.document.library.document.conversion.jar!unoil.jar	2.3.0	OpenOffice.org "unoil" module ( <a href="http://udk.openoffice.org">http://udk.openoffice.org</a> )
com.liferay.document.library.google.docs.jar!org.freemarker.jar	2.3.29.LIFERAY-PATCHED-2	org.freemarker.freemarker
com.liferay.document.library.opener.google.drive.web.jar!error_prone_annotations.jar	2.5.1	error-prone annotations
com.liferay.document.library.opener.google.drive.web.jar!google-api-client-jackson2.jar	1.23.0	Jackson 2 extensions to the Google APIs Client Library for Java
com.liferay.document.library.opener.google.drive.web.jar!google-api-client-java6.jar	1.23.0	Java 6 (and higher) Extensions to the Google API Client Library for Java
com.liferay.document.library.opener.google.drive.web.jar!google-api-client-servlet.jar	1.23.0	Servlet and JDO extensions to the Google API Client Library for Java
com.liferay.document.library.opener.google.drive.web.jar!google-api-client.jar	1.23.0	Google APIs Client Library for Java
com.liferay.document.library.opener.google.drive.web.jar!google-api-services-drive.jar	v3-rev20190311-1.28.0	Drive API v3-rev20190311-1.28.0
com.liferay.document.library.opener.google.drive.web.jar!google-api-services-oauth2.jar	v2-rev137-1.23.0	Google OAuth2 API v2-rev137-1.23.0
com.liferay.document.library.opener.google.drive.web.jar!google-http-client-jackson2.jar	1.23.0	Jackson 2 extensions to the Google HTTP Client Library for Java
com.liferay.document.library.opener.google.drive.web.jar!google-http-client.jar	1.23.0	Google HTTP Client Library for Java
com.liferay.document.library.opener.google.drive.web.jar!google-oauth-client-java6.jar	1.31.0	Java 6 (and higher) extensions to the Google OAuth Client Library for Java
com.liferay.document.library.opener.google.drive.web.jar!google-oauth-client-servlet.jar	1.31.0	Servlet and JDO extensions to the Google OAuth Client Library for Java
com.liferay.document.library.opener.google.drive.web.jar!google-oauth-client.jar	1.31.0	Google OAuth Client Library for Java ( <a href="https://www.google.com/">https://www.google.com/</a> )
com.liferay.document.library.opener.google.drive.web.jar!guava.jar	30.1.1-jre	Guava: Google Core Libraries for Java ( <a href="https://github.com/google/guava">https://github.com/google/guava</a> )
com.liferay.document.library.repository.cmis.impl.jar!chemistry-opencmis-client-api.jar	0.14.0	OpenCMIS Client API ( <a href="https://chemistry.apache.org/java/chemistry-opencmis-client-api">https://chemistry.apache.org/java/chemistry-opencmis-client-api</a> )
com.liferay.document.library.repository.cmis.impl.jar!chemistry-opencmis-client-bindings.jar	0.14.0	OpenCMIS Client Bindings Implementation ( <a href="https://chemistry.apache.org/java/chemistry-opencmis-client-bindings">https://chemistry.apache.org/java/chemistry-opencmis-client-bindings</a> )
com.liferay.document.library.repository.cmis.impl.jar!chemistry-opencmis-client-impl.jar	0.14.0	OpenCMIS Client Implementation ( <a href="https://chemistry.apache.org/java/chemistry-opencmis-client-impl">https://chemistry.apache.org/java/chemistry-opencmis-client-impl</a> )
com.liferay.document.library.repository.cmis.impl.jar!chemistry-opencmis-commons-api.jar	0.14.0	OpenCMIS Commons API ( <a href="https://chemistry.apache.org/java/chemistry-opencmis-commons-api">https://chemistry.apache.org/java/chemistry-opencmis-commons-api</a> )
com.liferay.document.library.repository.cmis.impl.jar!chemistry-opencmis-commons-impl.jar	0.14.0	OpenCMIS Commons Implementation ( <a href="https://chemistry.apache.org/java/chemistry-opencmis-commons-impl">https://chemistry.apache.org/java/chemistry-opencmis-commons-impl</a> )
com.liferay.document.library.repository.cmis.impl.jar!cxf-core.jar	3.4.4	Apache CXF Core ( <a href="https://cxf.apache.org">https://cxf.apache.org</a> )
com.liferay.document.library.repository.cmis.impl.jar!cxf-rt-bindings-soap.jar	3.4.4	Apache CXF Runtime SOAP Binding ( <a href="https://cxf.apache.org">https://cxf.apache.org</a> )
com.liferay.document.library.repository.cmis.impl.jar!cxf-rt-bindings-xml.jar	3.4.4	Apache CXF Runtime XML Binding ( <a href="https://cxf.apache.org">https://cxf.apache.org</a> )
com.liferay.document.library.repository.cmis.impl.jar!cxf-rt-databinding-jaxb.jar	3.4.4	Apache CXF Runtime JAXB DataBinding ( <a href="https://cxf.apache.org">https://cxf.apache.org</a> )
com.liferay.document.library.repository.cmis.impl.jar!cxf-rt-frontend-jaxws.jar	3.4.4	Apache CXF Runtime JAX-WS Frontend ( <a href="https://cxf.apache.org">https://cxf.apache.org</a> )
com.liferay.document.library.repository.cmis.impl.jar!cxf-rt-frontend-simple.jar	3.4.4	Apache CXF Runtime Simple Frontend ( <a href="https://cxf.apache.org">https://cxf.apache.org</a> )
com.liferay.document.library.repository.cmis.impl.jar!cxf-rt-transport-http.jar	3.4.4	Apache CXF Runtime HTTP Transport ( <a href="https://cxf.apache.org">https://cxf.apache.org</a> )
com.liferay.document.library.repository.cmis.impl.jar!cxf-rt-ws-addr.jar	3.4.4	Apache CXF Runtime WS Addressing ( <a href="https://cxf.apache.org">https://cxf.apache.org</a> )

com.liferay.document.library.repository.cmis.impl.jar!cxf-rt-ws-policy.jar	3.4.4	Apache CXF Runtime WS Policy ( <a href="https://cxf.apache.org">https://cxf.apache.org</a> )
com.liferay.document.library.repository.cmis.impl.jar!cxf-rt-wsdl.jar	3.4.4	Apache CXF Runtime Core for WSDL ( <a href="https://cxf.apache.org">https://cxf.apache.org</a> )
com.liferay.document.library.repository.cmis.impl.jar!neethi.jar	3.1.1	Apache Neethi ( <a href="http://www.apache.org/">http://www.apache.org/</a> )
com.liferay.document.library.repository.search.jar!lucene-analyzers-common.jar	7.1.0	Lucene Common Analyzers
com.liferay.document.library.repository.search.jar!lucene-core.jar	7.1.0	Lucene Core
com.liferay.document.library.repository.search.jar!lucene-queries.jar	7.1.0	Lucene Queries
com.liferay.document.library.repository.search.jar!lucene-queryparser.jar	7.1.0	Lucene QueryParsers
com.liferay.document.library.repository.search.jar!lucene-sandbox.jar	7.1.0	Lucene Sandbox
com.liferay.dynamic.data.lists.service.jar!SparseBitSet.jar	1.2	SparseBitSet ( <a href="https://github.com/brettwooldridge/SparseBitSet">https://github.com/brettwooldridge/SparseBitSet</a> )
com.liferay.dynamic.data.lists.service.jar!commons-collections4.jar	4.3	Apache Commons Collections ( <a href="http://commons.apache.org/prop">http://commons.apache.org/prop</a>
com.liferay.dynamic.data.lists.service.jar!commons-math3.jar	3.6.1	Apache Commons Math ( <a href="http://commons.apache.org/proper/cor">http://commons.apache.org/proper/cor</a>
com.liferay.dynamic.data.lists.service.jar!poi-ooxml-schemas.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.dynamic.data.lists.service.jar!poi-ooxml.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.dynamic.data.lists.service.jar!poi.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.dynamic.data.lists.service.jar!xmlbeans.jar	3.1.0	XmlBeans ( <a href="https://xmlbeans.apache.org/">https://xmlbeans.apache.org/</a> )
com.liferay.dynamic.data.mapping.data.provider.impl.jar!HdrHistogram.jar	2.1.9	HdrHistogram ( <a href="http://hdrhistogram.github.io/HdrHistogram/">http://hdrhistogram.github.io/HdrHistogram/</a> )
com.liferay.dynamic.data.mapping.data.provider.impl.jar!accessors-smart.jar	2.4.2	ASM based accessors helper used by json-smart ( <a href="https://urielch">https://urielch</a> .
com.liferay.dynamic.data.mapping.data.provider.impl.jar!archaius-core.jar	0.4.1	com.netflix.archaius:archaius-core
com.liferay.dynamic.data.mapping.data.provider.impl.jar!asm.jar	5.0.3	ASM Core ( <a href="http://asm.objectweb.org">http://asm.objectweb.org</a> )
com.liferay.dynamic.data.mapping.data.provider.impl.jar!commons-configuration.jar	1.8	Commons Configuration ( <a href="http://commons.apache.org/configurati">http://commons.apache.org/configurati</a>
com.liferay.dynamic.data.mapping.data.provider.impl.jar!commons-io.jar	2.8.0	Apache Commons IO ( <a href="https://commons.apache.org/proper/comr">https://commons.apache.org/proper/comr</a>
com.liferay.dynamic.data.mapping.data.provider.impl.jar!hystrix-core.jar	1.5.11	hystrix-core ( <a href="https://github.com/Netflix/Hystrix">https://github.com/Netflix/Hystrix</a> )
com.liferay.dynamic.data.mapping.data.provider.impl.jar!json-path.jar	2.2.0	Json Path ( <a href="https://github.com/jayway/JsonPath">https://github.com/jayway/JsonPath</a> )
com.liferay.dynamic.data.mapping.data.provider.impl.jar!json-smart.jar	2.4.2	JSON Small and Fast Parser ( <a href="https://urielch.github.io/">https://urielch.github.io/</a> )
com.liferay.dynamic.data.mapping.data.provider.impl.jar!rxjava.jar	1.2.0	rxjava ( <a href="https://github.com/ReactiveX/RxJava">https://github.com/ReactiveX/RxJava</a> )
com.liferay.dynamic.data.mapping.expression.jar!antlr4-runtime.jar	4.3	ANTLR 4 Runtime
com.liferay.dynamic.data.mapping.expression.jar!org.abego.treelayout.core.jar	1.0.1	abego TreeLayout Core ( <a href="http://code.google.com/p/treelayout/">http://code.google.com/p/treelayout/</a> )
com.liferay.dynamic.data.mapping.form.values.query.jar!antlr4-runtime.jar	4.3	ANTLR 4 Runtime
com.liferay.dynamic.data.mapping.form.values.query.jar!org.abego.treelayout.core.jar	1.0.1	abego TreeLayout Core ( <a href="http://code.google.com/p/treelayout/">http://code.google.com/p/treelayout/</a> )
com.liferay.dynamic.data.mapping.service.jar!SparseBitSet.jar	1.2	SparseBitSet ( <a href="https://github.com/brettwooldridge/SparseBitSet">https://github.com/brettwooldridge/SparseBitSet</a> )
com.liferay.dynamic.data.mapping.service.jar!accessors-smart.jar	2.4.2	ASM based accessors helper used by json-smart ( <a href="https://urielch">https://urielch</a> .
com.liferay.dynamic.data.mapping.service.jar!commons-collections4.jar	4.3	Apache Commons Collections ( <a href="http://commons.apache.org/prop">http://commons.apache.org/prop</a>

com.liferay.dynamic.data.mapping.service.jar!commons-math3.jar	3.6.1	Apache Commons Math ( <a href="http://commons.apache.org/proper/cor">http://commons.apache.org/proper/cor</a> )
com.liferay.dynamic.data.mapping.service.jar!gson.jar	2.8.4	Gson
com.liferay.dynamic.data.mapping.service.jar!json-path.jar	2.2.0	Json Path ( <a href="https://github.com/jayway/JsonPath">https://github.com/jayway/JsonPath</a> )
com.liferay.dynamic.data.mapping.service.jar!json-smart.jar	2.4.2	JSON Small and Fast Parser ( <a href="https://urielch.github.io/">https://urielch.github.io/</a> )
com.liferay.dynamic.data.mapping.service.jar!poi-ooxml-schemas.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.dynamic.data.mapping.service.jar!poi-ooxml.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.dynamic.data.mapping.service.jar!poi.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.dynamic.data.mapping.service.jar!xmlbeans.jar	3.1.0	XmlBeans ( <a href="https://xmlbeans.apache.org/">https://xmlbeans.apache.org/</a> )
com.liferay.fragment.entry.processor.portlet.jar!org.jsoup.jar	1.10.2.LIFERAY-PATCHED-3	org.jsoup
com.liferay.frontend.css.rtl.servlet.jar!annotations.jar	2.0.3	FindBugs-Annotations ( <a href="http://findbugs.sourceforge.net/">http://findbugs.sourceforge.net/</a> )
com.liferay.frontend.css.rtl.servlet.jar!ph-commons.jar	6.2.4	ph-commons ( <a href="https://github.com/phax/ph-commons/ph-commo">https://github.com/phax/ph-commons/ph-commo</a> )
com.liferay.frontend.css.rtl.servlet.jar!ph-css.jar	4.1.0	ph-css ( <a href="https://github.com/phax/ph-css">https://github.com/phax/ph-css</a> )
com.liferay.frontend.js.loader.modules.extender.jar!json.jar	20180813	JSON in Java ( <a href="https://github.com/douglascrockford/JSON-java">https://github.com/douglascrockford/JSON-java</a> )
com.liferay.frontend.js.loader.modules.extender.jar!npm-semver.jar	1.0.0	com.github.yuchi#npm-semver;1.0.0 ( <a href="https://github.com/yuchi/ja">https://github.com/yuchi/ja</a> )
com.liferay.frontend.js.minifier.jar!closure-compiler.jar	v20180204	Closure Compiler ( <a href="https://developers.google.com/closure/compil">https://developers.google.com/closure/compil</a> )
com.liferay.frontend.js.minifier.jar!yuicompressor.jar	2.4.7	yui compressor ( <a href="http://developer.yahoo.com/yui/compressor/">http://developer.yahoo.com/yui/compressor/</a> )
com.liferay.image.impl.jar!im4java.jar	1.2.0	im4java ( <a href="http://sourceforge.net/projects/im4java/">http://sourceforge.net/projects/im4java/</a> )
com.liferay.imageio.plugins.jar!common-image.jar	3.3.2	TwelveMonkeys :: Common :: Image
com.liferay.imageio.plugins.jar!common-io.jar	3.3.2	TwelveMonkeys :: Common :: IO
com.liferay.imageio.plugins.jar!common-lang.jar	3.3.2	TwelveMonkeys :: Common :: Language support
com.liferay.imageio.plugins.jar!imageio-bmp.jar	3.4.3	TwelveMonkeys :: ImageIO :: BMP plugin
com.liferay.imageio.plugins.jar!imageio-core.jar	3.5	TwelveMonkeys :: ImageIO :: Core
com.liferay.imageio.plugins.jar!imageio-hdr.jar	3.5	TwelveMonkeys :: ImageIO :: HDR plugin
com.liferay.imageio.plugins.jar!imageio-icns.jar	3.5	TwelveMonkeys :: ImageIO :: ICNS plugin
com.liferay.imageio.plugins.jar!imageio-iff.jar	3.5	TwelveMonkeys :: ImageIO :: IFF plugin
com.liferay.imageio.plugins.jar!imageio-jpeg.jar	3.5	TwelveMonkeys :: ImageIO :: JPEG plugin
com.liferay.imageio.plugins.jar!imageio-metadata.jar	3.5	TwelveMonkeys :: ImageIO :: Metadata
com.liferay.imageio.plugins.jar!imageio-pcx.jar	3.5	TwelveMonkeys :: ImageIO :: PCX plugin
com.liferay.imageio.plugins.jar!imageio-pict.jar	3.5	TwelveMonkeys :: ImageIO :: PICT plugin
com.liferay.imageio.plugins.jar!imageio-pnm.jar	3.5	TwelveMonkeys :: ImageIO :: PNM plugin
com.liferay.imageio.plugins.jar!imageio-psd.jar	3.5	TwelveMonkeys :: ImageIO :: PSD plugin
com.liferay.imageio.plugins.jar!imageio-sgi.jar	3.5	TwelveMonkeys :: ImageIO :: SGI plugin

com.liferay.imageio.plugins.jar!imageio-tga.jar	3.5	TwelveMonkeys :: ImageIO :: TGA plugin
com.liferay.imageio.plugins.jar!imageio-thumbsdb.jar	3.5	TwelveMonkeys :: ImageIO :: Thumbs.db plugin
com.liferay.imageio.plugins.jar!imageio-tiff.jar	3.5	TwelveMonkeys :: ImageIO :: TIFF plugin
com.liferay.knowledge.base.markdown.converter.impl.jar!asm-analysis.jar	4.1	ASM static code analysis framework ( <a href="http://asm.objectweb.org">http://asm.objectweb.org</a> )
com.liferay.knowledge.base.markdown.converter.impl.jar!asm-tree.jar	4.1	ASM Tree class visitor ( <a href="http://asm.objectweb.org">http://asm.objectweb.org</a> )
com.liferay.knowledge.base.markdown.converter.impl.jar!asm-util.jar	4.1	ASM Utilities ( <a href="http://asm.objectweb.org">http://asm.objectweb.org</a> )
com.liferay.knowledge.base.markdown.converter.impl.jar!asm.jar	4.1	ASM Core ( <a href="http://asm.objectweb.org">http://asm.objectweb.org</a> )
com.liferay.knowledge.base.markdown.converter.impl.jar!parboiled-core.jar	1.1.6	org.parboiled.core ( <a href="http://parboiled.org">http://parboiled.org</a> )
com.liferay.knowledge.base.markdown.converter.impl.jar!parboiled-java.jar	1.1.6	org.parboiled.java ( <a href="http://parboiled.org">http://parboiled.org</a> )
com.liferay.knowledge.base.markdown.converter.impl.jar!pegdown.jar	1.1.0	pegdown ( <a href="http://www.pegdown.org">http://www.pegdown.org</a> )
com.liferay.knowledge.base.service.jar!jericho-html.jar	3.1	Jericho HTML Parser ( <a href="http://jericho.htmlparser.net">http://jericho.htmlparser.net</a> )
com.liferay.layout.content.page.editor.web.jar!org.jsoup.jar	1.10.2.LIFERAY-PATCHED-3	org.jsoup
com.liferay.marketplace.store.web.jar!scribe.jar	1.3.6	Scribe OAuth Library ( <a href="http://github.com/fernandezpablo85/scribe">http://github.com/fernandezpablo85/scribe</a> )
com.liferay.message.boards.service.jar!jericho-html.jar	3.1	Jericho HTML Parser ( <a href="http://jericho.htmlparser.net">http://jericho.htmlparser.net</a> )
com.liferay.normalizer.impl.jar!com.ibm.icu4j.jar	54.1.1.LIFERAY-PATCHED-2	com.liferay:com.ibm.icu4j
com.liferay.oauth2.provider.rest.jar!javax.annotation-api.jar	1.3	javax.annotation API ( <a href="https://glassfish.java.net">https://glassfish.java.net</a> )
com.liferay.oauth2.provider.web.jar!jgraphT-core.jar	1.3.0	JGraphT - Core
com.liferay.oauth2.provider.web.jar!jheaps.jar	0.9	JHeaps ( <a href="http://www.jheaps.org">http://www.jheaps.org</a> )
com.liferay.petra.apache.http.components.jar!httpasyncclient.jar	4.1.4	Apache HttpAsyncClient ( <a href="http://hc.apache.org/httpcomponents-asyncclient/">http://hc.apache.org/httpcomponents-asyncclient/</a> )
com.liferay.petra.apache.http.components.jar!httpClient.jar	4.5.13	Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-client/">http://hc.apache.org/httpcomponents-client/</a> )
com.liferay.petra.apache.http.components.jar!httpcore-nio.jar	4.4.14	Apache HttpCore NIO ( <a href="http://hc.apache.org/httpcomponents-core-nio/">http://hc.apache.org/httpcomponents-core-nio/</a> )
com.liferay.petra.apache.http.components.jar!httpcore.jar	4.4.14	HttpComponents Apache HttpCore ( <a href="http://hc.apache.org/httpcomponents-core/">http://hc.apache.org/httpcomponents-core/</a> )
com.liferay.petra.apache.http.components.jar!httpmime.jar	4.5.13	Apache HttpClient Mime ( <a href="http://hc.apache.org/httpcomponents-client-mime/">http://hc.apache.org/httpcomponents-client-mime/</a> )
com.liferay.petra.doulos.jar!commons-lang3.jar	3.4	Apache Commons Lang ( <a href="http://commons.apache.org/proper/commons-lang/">http://commons.apache.org/proper/commons-lang/</a> )
com.liferay.petra.doulos.jar!concurrentlinkedhashmap-lru.jar	1.4.2	ConcurrentLinkedHashMap ( <a href="http://code.google.com/p/concurrentlinkedhashmap-lru/">http://code.google.com/p/concurrentlinkedhashmap-lru/</a> )
com.liferay.petra.io.delta.jar!trove4j.jar	3.0.3	GNU Trove ( <a href="http://trove4j.sf.net">http://trove4j.sf.net</a> )
com.liferay.petra.json.validator.jar!handy-uri-templates.jar	2.1.7	Handy URI Templates ( <a href="https://github.com/damnhandy/Handy-URITemplates">https://github.com/damnhandy/Handy-URITemplates</a> )
com.liferay.petra.json.validator.jar!joda-convert.jar	2.2.1	Joda-Convert ( <a href="https://www.joda.org/\$joda.artifactId/">https://www.joda.org/\$joda.artifactId/</a> )
com.liferay.petra.json.validator.jar!joda-time.jar	2.9.1	Joda-Time ( <a href="http://www.joda.org/joda-time/">http://www.joda.org/joda-time/</a> )
com.liferay.petra.json.validator.jar!json.jar	20180813	JSON in Java ( <a href="https://github.com/douglascrockford/JSON-java">https://github.com/douglascrockford/JSON-java</a> )
com.liferay.petra.json.validator.jar!org.everit.json.schema.jar	1.11.1	everit-org/json-schema ( <a href="https://github.com/everit-org/json-schema">https://github.com/everit-org/json-schema</a> )
com.liferay.petra.json.validator.jar!re2j.jar	1.2	RE2/J ( <a href="http://github.com/google/re2j">http://github.com/google/re2j</a> )

com.liferay.petra.json.web.service.client.jar!commons-codec.jar	1.7	Commons Codec ( <a href="http://commons.apache.org/codecs/">http://commons.apache.org/codecs/</a> )
com.liferay.petra.json.web.service.client.jar!httpasyncclient.jar	4.1.4	Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-asyncclient/">http://hc.apache.org/httpcomponents-asyncclient/</a> )
com.liferay.petra.json.web.service.client.jar!httpclient.jar	4.5.13	Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-client/">http://hc.apache.org/httpcomponents-client/</a> )
com.liferay.petra.json.web.service.client.jar!httpcore-nio.jar	4.4.14	Apache HttpClient NIO ( <a href="http://hc.apache.org/httpcomponents-core/">http://hc.apache.org/httpcomponents-core/</a> )
com.liferay.petra.json.web.service.client.jar!httpcore.jar	4.4.14	HttpComponents Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-core/">http://hc.apache.org/httpcomponents-core/</a> )
com.liferay.petra.json.web.service.client.jar!signpost-commonshttp4.jar	1.2.1.2	signpost-commonshttp4
com.liferay.petra.json.web.service.client.jar!signpost-core.jar	1.2.1.2	signpost-core
com.liferay.portal.cache.ehcache.impl.jar!net.sf.ehcache.jar	2.10.6.LIFERAY-PATCHED-2	ehcache ( <a href="http://www.terracotta.org">http://www.terracotta.org</a> )
com.liferay.portal.ccpp.api.jar!ccpp.jar	1.0	CC/PP API ( <a href="http://www.jcp.org/en/jsr/detail?id=188">http://www.jcp.org/en/jsr/detail?id=188</a> )
com.liferay.portal.ccpp.impl.jar!oro.jar	2.0.8	oro:oro
com.liferay.portal.change.tracking.jar!com.github.jsqlparser.jar	2.1.LIFERAY-PATCHED-1	JSQParser library
com.liferay.portal.cluster.multiple.jar!jgroups.jar	4.1.7.Final	JGroups ( <a href="http://www.jgroups.org">http://www.jgroups.org</a> )
com.liferay.portal.crypto.hash.impl.jar!org.apache.aries.component-dsl.component-dsl.jar	1.2.2	org.apache.aries.component-dsl.component-dsl ( <a href="https://www.apache.org/">https://www.apache.org/</a> )
com.liferay.portal.odata.impl.jar!odata-commons-api.jar	4.7.1	odata-commons-api ( <a href="http://www.apache.org/">http://www.apache.org/</a> )
com.liferay.portal.odata.impl.jar!odata-commons-core.jar	4.7.1	odata-commons-core ( <a href="http://www.apache.org/">http://www.apache.org/</a> )
com.liferay.portal.odata.impl.jar!odata-server-api.jar	4.7.1	odata-server-api ( <a href="http://www.apache.org/">http://www.apache.org/</a> )
com.liferay.portal.odata.impl.jar!odata-server-core-ext.jar	4.7.1	odata-server-core-ext
com.liferay.portal.odata.impl.jar!odata-server-core.jar	4.7.1	odata-server-core ( <a href="http://www.apache.org/">http://www.apache.org/</a> )
com.liferay.portal.osgi.web.portlet.container.test.util.jar!httpclient.jar	4.5.13	Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-client/">http://hc.apache.org/httpcomponents-client/</a> )
com.liferay.portal.osgi.web.portlet.container.test.util.jar!httpcore.jar	4.4.14	HttpComponents Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-core/">http://hc.apache.org/httpcomponents-core/</a> )
com.liferay.portal.osgi.web.portlet.container.test.util.jar!httpmime.jar	4.5.13	Apache HttpClient Mime ( <a href="http://hc.apache.org/httpcomponents-client/">http://hc.apache.org/httpcomponents-client/</a> )
com.liferay.portal.osgi.web.servlet.jsp.compiler.jar!javax.servlet.jsp.jar	2.3.3-b02.LIFERAY-PATCHED-9	JSP implementation ( <a href="http://glassfish.org">http://glassfish.org</a> )
com.liferay.portal.osgi.web.wab.extender.jar!javax.servlet.jsp.jar	2.3.3-b02.LIFERAY-PATCHED-9	JSP implementation ( <a href="http://glassfish.org">http://glassfish.org</a> )
com.liferay.portal.remote.jaxrs.whiteboard.jar!wsdl4j.jar	1.6.3	WSDL4J ( <a href="http://sf.net/projects/wsdl4j">http://sf.net/projects/wsdl4j</a> )
com.liferay.portal.remote.rest.extender.jar!cxfrt-rs-extension-providers.jar	3.4.4	Apache CXF JAX-RS Extensions: Providers ( <a href="https://cxf.apache.org/">https://cxf.apache.org/</a> )
com.liferay.portal.remote.rest.extender.jar!cxfrt-rs-json-basic.jar	3.4.4	Apache CXF JAX-RS Extensions: JSON Basic ( <a href="https://cxf.apache.org/">https://cxf.apache.org/</a> )
com.liferay.portal.remote.rest.extender.jar!jettison.jar	1.3.3	jettison
com.liferay.portal.scheduler.quartz.jar!org.quartz.jar	2.1.7.LIFERAY-PATCHED-1	org.quartz
com.liferay.portal.scripting.groovy.jar!groovy.jar	2.4.21	Groovy Runtime ( <a href="http://groovy-lang.org">http://groovy-lang.org</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!asm-debug-all.jar	5.1	ASM all classes with debug info ( <a href="http://asm.objectweb.org">http://asm.objectweb.org</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!commons-codec.jar	1.11	Apache Commons Codec ( <a href="http://commons.apache.org/proper/commons-codec/">http://commons.apache.org/proper/commons-codec/</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!commons-compress.jar	1.21	Apache Commons Compress ( <a href="https://commons.apache.org/proper/commons-compress/">https://commons.apache.org/proper/commons-compress/</a> )



com.liferay.portal.search.elasticsearch7.impl.jar!commons-io.jar	2.8.0	Apache Commons IO ( <a href="https://commons.apache.org/proper/comr">https://commons.apache.org/proper/comr</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!commons-lang.jar	2.6	Commons Lang ( <a href="http://commons.apache.org/lang/">http://commons.apache.org/lang/</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!commons-logging.jar	1.2	Apache Commons Logging ( <a href="http://commons.apache.org/proper/">http://commons.apache.org/proper/</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!elasticsearch-cli.jar	7.14.1	org.elasticsearch#elasticsearch-cli;7.14.1 ( <a href="https://github.com/ela">https://github.com/ela</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!elasticsearch-core.jar	7.14.1	org.elasticsearch#elasticsearch-core;7.14.1 ( <a href="https://github.com/e">https://github.com/e</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!elasticsearch-geo.jar	7.14.1	org.elasticsearch#elasticsearch-geo;7.14.1 ( <a href="https://github.com/el">https://github.com/el</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!elasticsearch-rest-client.jar	7.14.1	org.elasticsearch.client#rest;7.14.1 ( <a href="https://github.com/elastic/el">https://github.com/elastic/el</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!elasticsearch-rest-high-level-client.jar	7.14.1	org.elasticsearch.client#rest-high-level;7.14.1 ( <a href="https://github.com">https://github.com</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!elasticsearch-x-content.jar	7.14.1	org.elasticsearch#elasticsearch-x-content;7.14.1 ( <a href="https://github.c">https://github.c</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!elasticsearch.jar	7.14.1	org.elasticsearch#server;7.14.1 ( <a href="https://github.com/elastic/elastic">https://github.com/elastic/elastic</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!gson.jar	2.8.4	Gson
com.liferay.portal.search.elasticsearch7.impl.jar!hppc.jar	0.8.1	HPPC Collections ( <a href="http://www.carrotsearch.com">http://www.carrotsearch.com</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!httpasyncclient.jar	4.1.4	Apache HttpAsyncClient ( <a href="http://hc.apache.org/httpcomponents-a">http://hc.apache.org/httpcomponents-a</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!httpclient.jar	4.5.13	Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-client">http://hc.apache.org/httpcomponents-client</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!httpcore-nio.jar	4.4.14	Apache HttpCore NIO ( <a href="http://hc.apache.org/httpcomponents-cor">http://hc.apache.org/httpcomponents-cor</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!httpcore.jar	4.4.14	HttpComponents Apache HttpCore ( <a href="http://hc.apache.org/httpcor">http://hc.apache.org/httpcor</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!jackson-dataformat-cbor.jar	2.12.6	Jackson dataformat: CBOR ( <a href="http://github.com/FasterXML/jackso">http://github.com/FasterXML/jackso</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!jackson-dataformat-smile.jar	2.10.4	Jackson dataformat: Smile ( <a href="http://github.com/FasterXML/jacksor">http://github.com/FasterXML/jacksor</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!jackson-dataformat-yaml.jar	2.10.4	Jackson-dataformat-YAML ( <a href="https://github.com/FasterXML/jacksr">https://github.com/FasterXML/jacksr</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!joda-time.jar	2.10.10	Joda-Time ( <a href="https://www.joda.org/joda-time/">https://www.joda.org/joda-time/</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!jts-core.jar	1.15.0	jts-core
com.liferay.portal.search.elasticsearch7.impl.jar!lang-mustache-client.jar	7.14.1	org.elasticsearch.plugin#lang-mustache;7.14.1 ( <a href="https://github.com">https://github.com</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!lucene-core.jar	8.9.0	Lucene Core
com.liferay.portal.search.elasticsearch7.impl.jar!lucene-highlighter.jar	8.9.0	Lucene Highlighter
com.liferay.portal.search.elasticsearch7.impl.jar!lucene-join.jar	8.9.0	Lucene Join
com.liferay.portal.search.elasticsearch7.impl.jar!lucene-queries.jar	8.9.0	Lucene Queries
com.liferay.portal.search.elasticsearch7.impl.jar!lucene-queryparser.jar	8.9.0	Lucene QueryParsers
com.liferay.portal.search.elasticsearch7.impl.jar!lucene-sandbox.jar	8.9.0	Lucene Sandbox
com.liferay.portal.search.elasticsearch7.impl.jar!lucene-suggest.jar	8.9.0	Lucene Suggest
com.liferay.portal.search.elasticsearch7.impl.jar!org.apache.logging.log4j.core.jar	2.17.1.LIFERAY-PATCHED-1	Apache Log4j Core ( <a href="https://www.apache.org/">https://www.apache.org/</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!org.apache.logging.log4j.jar	2.17.1.LIFERAY-PATCHED-1	Apache Log4j API ( <a href="https://www.apache.org/">https://www.apache.org/</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!parent-join-client.jar	7.14.1	org.elasticsearch.plugin#parent-join;7.14.1 ( <a href="https://github.com/el">https://github.com/el</a> )

com.liferay.portal.search.elasticsearch7.impl.jar!percolator-client.jar	7.14.1	org.elasticsearch.plugin#percolator;7.14.1 ( <a href="https://github.com/elasticsearch/percolator">https://github.com/elasticsearch/percolator</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!rank-eval-client.jar	7.14.1	org.elasticsearch.plugin#rank-eval;7.14.1 ( <a href="https://github.com/elasticsearch/rank-eval">https://github.com/elasticsearch/rank-eval</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!snakeyaml.jar	1.26	SnakeYAML ( <a href="http://www.snakeyaml.org">http://www.snakeyaml.org</a> )
com.liferay.portal.search.elasticsearch7.impl.jar!spatial4j.jar	0.7	Spatial4J ( <a href="https://projects.eclipse.org/projects/locationtech.spatial4j">https://projects.eclipse.org/projects/locationtech.spatial4j</a> )
com.liferay.portal.security.antisamy.jar!antisamy.jar	1.6.4	OWASP AntiSamy ( <a href="https://github.com/nahsra/antisamy">https://github.com/nahsra/antisamy</a> )
com.liferay.portal.security.antisamy.jar!batik-constants.jar	1.14	org.apache.xmlgraphics:batik-constants
com.liferay.portal.security.antisamy.jar!batik-css.jar	1.14	org.apache.xmlgraphics:batik-css
com.liferay.portal.security.antisamy.jar!batik-i18n.jar	1.14	org.apache.xmlgraphics:batik-i18n
com.liferay.portal.security.antisamy.jar!batik-util.jar	1.14	org.apache.xmlgraphics:batik-util
com.liferay.portal.security.antisamy.jar!commons-codec.jar	1.15	Apache Commons Codec ( <a href="https://commons.apache.org/proper/commons-codec/">https://commons.apache.org/proper/commons-codec/</a> )
com.liferay.portal.security.antisamy.jar!httpClient.jar	4.5.13	Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-client/">http://hc.apache.org/httpcomponents-client/</a> )
com.liferay.portal.security.antisamy.jar!httpcore.jar	4.4.14	HttpComponents Apache HttpCore ( <a href="http://hc.apache.org/httpcomponents-core/">http://hc.apache.org/httpcomponents-core/</a> )
com.liferay.portal.security.antisamy.jar!nekohtml.jar	1.9.22	Neko HTML ( <a href="http://nekohtml.sourceforge.net/">http://nekohtml.sourceforge.net/</a> )
com.liferay.portal.security.antisamy.jar!xml-apis-ext.jar	1.3.04	XML Commons External Components XML APIs Extensions ( <a href="http://xml.apache.org/xml-apis-ext/">http://xml.apache.org/xml-apis-ext/</a> )
com.liferay.portal.security.antisamy.jar!xmlgraphics-commons.jar	2.6	Apache XML Graphics Commons ( <a href="http://xmlgraphics.apache.org/">http://xmlgraphics.apache.org/</a> )
com.liferay.portal.security ldap.impl.jar!antlr.jar	3.0.1	AntLR Parser Generator ( <a href="http://antlr.org/">http://antlr.org/</a> )
com.liferay.portal.security ldap.impl.jar!stringtemplate.jar	3.0	Stringtemplate ( <a href="http://www.stringtemplate.org/">http://www.stringtemplate.org/</a> )
com.liferay.portal.security.sso.openid.connect.impl.jar!accessors-smart.jar	2.4.2	ASM based accessors helper used by json-smart ( <a href="https://urielch.github.io/">https://urielch.github.io/</a> )
com.liferay.portal.security.sso.openid.connect.impl.jar!activation.jar	1.1.1	Sun Java System Application Server ( <a href="http://java.sun.com/javase/6/docs/api/javax.activation/">http://java.sun.com/javase/6/docs/api/javax.activation/</a> )
com.liferay.portal.security.sso.openid.connect.impl.jar!asm.jar	5.0.4	ASM Core ( <a href="http://asm.objectweb.org">http://asm.objectweb.org</a> )
com.liferay.portal.security.sso.openid.connect.impl.jar!commons-lang3.jar	3.4	Apache Commons Lang ( <a href="http://commons.apache.org/proper/commons-lang/">http://commons.apache.org/proper/commons-lang/</a> )
com.liferay.portal.security.sso.openid.connect.impl.jar!content-type.jar	2.0	Nimbus Content Type ( <a href="https://connect2id.com">https://connect2id.com</a> )
com.liferay.portal.security.sso.openid.connect.impl.jar!jakarta.mail.jar	1.6.6	Jakarta Mail API ( <a href="http://www.oracle.com">http://www.oracle.com</a> )
com.liferay.portal.security.sso.openid.connect.impl.jar!jcip-annotations.jar	1.0-1	JCIP Annotations under Apache License ( <a href="http://stephenc.github.io/">http://stephenc.github.io/</a> )
com.liferay.portal.security.sso.openid.connect.impl.jar!json-smart.jar	2.4.2	JSON Small and Fast Parser ( <a href="https://urielch.github.io/">https://urielch.github.io/</a> )
com.liferay.portal.security.sso.openid.connect.impl.jar!lang-tag.jar	1.4.4	Nimbus LangTag ( <a href="https://bitbucket.org/connect2id/nimbus-lang-tag/">https://bitbucket.org/connect2id/nimbus-lang-tag/</a> )
com.liferay.portal.security.sso.openid.connect.impl.jar!nimbus-jose-jwt.jar	8.14.1	Nimbus JOSE+JWT ( <a href="https://bitbucket.org/connect2id/nimbus-jose-jwt/">https://bitbucket.org/connect2id/nimbus-jose-jwt/</a> )
com.liferay.portal.security.sso.openid.connect.impl.jar!oauth2-oidc-sdk.jar	8.4.3	OAuth 2.0 SDK with OpenID Connect extensions ( <a href="https://connect2id.com">https://connect2id.com</a> )
com.liferay.portal.store.gcs.jar!api-common.jar	1.10.1	API Common ( <a href="https://github.com/googleapis/api-common-java">https://github.com/googleapis/api-common-java</a> )
com.liferay.portal.store.gcs.jar!auto-value-annotations.jar	1.7.4	AutoValue Annotations ( <a href="https://github.com/google/auto/tree/master/value">https://github.com/google/auto/tree/master/value</a> )
com.liferay.portal.store.gcs.jar!commons-codec.jar	1.13	Apache Commons Codec ( <a href="https://commons.apache.org/proper/commons-codec/">https://commons.apache.org/proper/commons-codec/</a> )
com.liferay.portal.store.gcs.jar!commons-logging.jar	1.2	Apache Commons Logging ( <a href="http://commons.apache.org/proper/commons-logging/">http://commons.apache.org/proper/commons-logging/</a> )

com.liferay.portal.store.gcs.jar!error_prone_annotations.jar	2.5.1	error-prone annotations
com.liferay.portal.store.gcs.jar!failureaccess.jar	1.0.1	Guava InternalFutureFailureAccess and InternalFutures ( <a href="https://github.com/google/guava">https://github.com/google/guava</a> )
com.liferay.portal.store.gcs.jar!gax-httpjson.jar	0.79.0	GAX (Google Api eXtensions) for Java ( <a href="https://github.com/googleapis/gax">https://github.com/googleapis/gax</a> )
com.liferay.portal.store.gcs.jar!gax.jar	1.62.0	GAX (Google Api eXtensions) for Java ( <a href="https://github.com/googleapis/gax">https://github.com/googleapis/gax</a> )
com.liferay.portal.store.gcs.jar!google-api-client.jar	1.31.3	Google APIs Client Library for Java ( <a href="https://developers.google.com/api-client-library/java">https://developers.google.com/api-client-library/java</a> )
com.liferay.portal.store.gcs.jar!google-api-services-storage.jar	v1-rev20210127-1.31.0	Cloud Storage JSON API v1-rev20210127-1.31.0
com.liferay.portal.store.gcs.jar!google-auth-library-credentials.jar	0.24.1	Google Auth Library for Java - Credentials
com.liferay.portal.store.gcs.jar!google-auth-library-oauth2-http.jar	0.24.1	Google Auth Library for Java - OAuth2 HTTP
com.liferay.portal.store.gcs.jar!google-cloud-core-http.jar	1.94.4	Google Cloud Core HTTP ( <a href="https://github.com/googleapis/java-core-http">https://github.com/googleapis/java-core-http</a> )
com.liferay.portal.store.gcs.jar!google-cloud-core.jar	1.94.4	Google Cloud Core ( <a href="https://github.com/googleapis/java-core">https://github.com/googleapis/java-core</a> )
com.liferay.portal.store.gcs.jar!google-cloud-storage.jar	1.113.14	Google Cloud Storage ( <a href="https://github.com/googleapis/java-storage">https://github.com/googleapis/java-storage</a> )
com.liferay.portal.store.gcs.jar!google-http-client-apache-v2.jar	1.39.1	Apache HTTP transport v2 for the Google HTTP Client Library for Java
com.liferay.portal.store.gcs.jar!google-http-client-appengine.jar	1.39.1	Google App Engine extensions to the Google HTTP Client Library for Java
com.liferay.portal.store.gcs.jar!google-http-client-gson.jar	1.39.1	GSON extensions to the Google HTTP Client Library for Java.
com.liferay.portal.store.gcs.jar!google-http-client-jackson2.jar	1.39.1	Jackson 2 extensions to the Google HTTP Client Library for Java
com.liferay.portal.store.gcs.jar!google-http-client.jar	1.39.1	Google HTTP Client Library for Java ( <a href="https://www.google.com/">https://www.google.com/</a> )
com.liferay.portal.store.gcs.jar!google-oauth-client.jar	1.31.4	Google OAuth Client Library for Java ( <a href="https://www.google.com/">https://www.google.com/</a> )
com.liferay.portal.store.gcs.jar!grpc-context.jar	1.36.0	io.grpc:grpc-context ( <a href="https://github.com/grpc/grpc-java">https://github.com/grpc/grpc-java</a> )
com.liferay.portal.store.gcs.jar!gson.jar	2.8.6	Gson
com.liferay.portal.store.gcs.jar!guava.jar	30.1.1-jre	Guava: Google Core Libraries for Java ( <a href="https://github.com/google/guava">https://github.com/google/guava</a> )
com.liferay.portal.store.gcs.jar!httpclient.jar	4.5.13	Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-client/">http://hc.apache.org/httpcomponents-client/</a> )
com.liferay.portal.store.gcs.jar!httpcore.jar	4.4.14	HttpComponents Apache HttpCore ( <a href="http://hc.apache.org/httpcore/">http://hc.apache.org/httpcore/</a> )
com.liferay.portal.store.gcs.jar!jackson-core-asl.jar	1.9.11	Jackson JSON processor ( <a href="http://jackson.codehaus.org">http://jackson.codehaus.org</a> )
com.liferay.portal.store.gcs.jar!joda-time.jar	2.8.1	Joda-Time ( <a href="http://www.joda.org/joda-time/">http://www.joda.org/joda-time/</a> )
com.liferay.portal.store.gcs.jar!opencensus-api.jar	0.28.3	opencensus-api ( <a href="https://github.com/census-instrumentation/opencensus-api">https://github.com/census-instrumentation/opencensus-api</a> )
com.liferay.portal.store.gcs.jar!opencensus-contrib-http-util.jar	0.28.3	opencensus-contrib-http-util ( <a href="https://github.com/census-instrumentation/opencensus-contrib-http-util">https://github.com/census-instrumentation/opencensus-contrib-http-util</a> )
com.liferay.portal.store.gcs.jar!proto-google-common-protos.jar	2.1.0	proto-google-common-protos ( <a href="https://github.com/googleapis/java-common-protos">https://github.com/googleapis/java-common-protos</a> )
com.liferay.portal.store.gcs.jar!proto-google-iam-v1.jar	1.0.10	proto-google-iam-v1 ( <a href="https://github.com/googleapis/java-iam-v1">https://github.com/googleapis/java-iam-v1</a> )
com.liferay.portal.store.gcs.jar!protobuf-java-util.jar	3.16.1	Protocol Buffers [Util] ( <a href="https://developers.google.com/protocol-buffers/docs/util">https://developers.google.com/protocol-buffers/docs/util</a> )
com.liferay.portal.store.gcs.jar!protobuf-java.jar	3.16.1	Protocol Buffers [Core] ( <a href="https://developers.google.com/protocol-buffers/docs/core">https://developers.google.com/protocol-buffers/docs/core</a> )
com.liferay.portal.store.gcs.jar!threetenbp.jar	1.5.0	ThreeTen backport ( <a href="https://www.threeten.org/threetenbp">https://www.threeten.org/threetenbp</a> )
com.liferay.portal.store.s3.jar!aws-java-sdk-core.jar	1.11.790	AWS SDK for Java - Core ( <a href="https://aws.amazon.com/sdkforjava">https://aws.amazon.com/sdkforjava</a> )

com.liferay.portal.store.s3.jar!aws-java-sdk-kms.jar	1.11.790	AWS Java SDK for AWS KMS ( <a href="https://aws.amazon.com/sdkforjava/">https://aws.amazon.com/sdkforjava/</a> )
com.liferay.portal.store.s3.jar!aws-java-sdk-s3.jar	1.11.790	AWS Java SDK for Amazon S3 ( <a href="https://aws.amazon.com/sdkforjava/">https://aws.amazon.com/sdkforjava/</a> )
com.liferay.portal.store.s3.jar!commons-codec.jar	1.6	Commons Codec ( <a href="http://commons.apache.org/codecs/">http://commons.apache.org/codecs/</a> )
com.liferay.portal.store.s3.jar!commons-logging.jar	1.2	Apache Commons Logging ( <a href="http://commons.apache.org/proper/commons-logging/">http://commons.apache.org/proper/commons-logging/</a> )
com.liferay.portal.store.s3.jar!httpClient.jar	4.5.13	Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-client/">http://hc.apache.org/httpcomponents-client/</a> )
com.liferay.portal.store.s3.jar!httpcore.jar	4.4.14	HttpComponents Apache HttpCore ( <a href="http://hc.apache.org/httpcomponents-core/">http://hc.apache.org/httpcomponents-core/</a> )
com.liferay.portal.store.s3.jar!ibm-cos-java-sdk-core.jar	2.9.0	IBM COS SDK for Java - Core ( <a href="https://github.com/ibm/ibm-cos-sdk-java">https://github.com/ibm/ibm-cos-sdk-java</a> )
com.liferay.portal.store.s3.jar!ibm-cos-java-sdk-kms.jar	2.9.0	IBM COS Java SDK for COS KMS ( <a href="https://github.com/ibm/ibm-cos-sdk-java">https://github.com/ibm/ibm-cos-sdk-java</a> )
com.liferay.portal.store.s3.jar!ibm-cos-java-sdk-s3.jar	2.9.0	IBM COS Java SDK for Amazon S3 ( <a href="https://github.com/ibm/ibm-cos-sdk-java">https://github.com/ibm/ibm-cos-sdk-java</a> )
com.liferay.portal.store.s3.jar!ion-java.jar	1.1.0	software.amazon.ion:ion-java ( <a href="https://github.com/amzn/ion-java/">https://github.com/amzn/ion-java/</a> )
com.liferay.portal.store.s3.jar!jackson-dataformat-cbor.jar	2.12.6	Jackson dataformat: CBOR ( <a href="http://github.com/FasterXML/jackson-dataformat-cbor">http://github.com/FasterXML/jackson-dataformat-cbor</a> )
com.liferay.portal.store.s3.jar!joda-time.jar	2.8.1	Joda-Time ( <a href="http://www.joda.org/joda-time/">http://www.joda.org/joda-time/</a> )
com.liferay.portal.template.freemarker.jar!org.freemarker.jar	2.3.29.LIFERAY-PATCHED-2	org.freemarker.freemarker
com.liferay.portal.template.velocity.jar!org.apache.velocity.jar	1.6.4.LIFERAY-PATCHED-1	org.apache.velocity
com.liferay.portal.template.velocity.jar!velocity-tools.jar	1.4	org.apache.velocity
com.liferay.portal.tika.jar!SparseBitSet.jar	1.2	SparseBitSet ( <a href="https://github.com/brettwooldridge/SparseBitSet">https://github.com/brettwooldridge/SparseBitSet</a> )
com.liferay.portal.tika.jar!apache-mime4j-core.jar	0.8.3	Apache James :: Mime4j :: Core ( <a href="https://www.apache.org/">https://www.apache.org/</a> )
com.liferay.portal.tika.jar!apache-mime4j-dom.jar	0.8.3	Apache James :: Mime4j :: DOM ( <a href="https://www.apache.org/">https://www.apache.org/</a> )
com.liferay.portal.tika.jar!commons-lang3.jar	3.12.0	Apache Commons Lang ( <a href="https://commons.apache.org/proper/commons-lang/">https://commons.apache.org/proper/commons-lang/</a> )
com.liferay.portal.tika.jar!java-libpst.jar	0.8.1	java-libpst ( <a href="https://code.google.com/p/java-libpst/">https://code.google.com/p/java-libpst/</a> )
com.liferay.portal.tika.jar!jhighlight.jar	1.0	JHighlight ( <a href="https://jhighlight.dev.java.net/">https://jhighlight.dev.java.net/</a> )
com.liferay.portal.tika.jar!jmatio.jar	1.2	JMatIO ( <a href="https://github.com/tballison/jmatio">https://github.com/tballison/jmatio</a> )
com.liferay.portal.tika.jar!jna.jar	4.1.0	Java Native Access ( <a href="https://github.com/twall/jna">https://github.com/twall/jna</a> )
com.liferay.portal.tika.jar!universalchardet.jar	1.0.3	universalchardet ( <a href="http://universalchardet.googlecode.com/">http://universalchardet.googlecode.com/</a> )
com.liferay.portal.tika.jar!metadata-extractor.jar	2.13.0	metadata-extractor ( <a href="https://drewnoakes.com/code/exif/">https://drewnoakes.com/code/exif/</a> )
com.liferay.portal.tika.jar!org.gagravarr.tika.jar	0.8.LIFERAY-PATCHED-1	org.gagravarr.tika
com.liferay.portal.tika.jar!org.mp4parser.jar	1.9.41.2.LIFERAY-PATCHED-2	org.mp4parser
com.liferay.portal.tika.jar!poi-ooxml-schemas.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.portal.tika.jar!poi-ooxml.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.portal.tika.jar!poi-scratchpad.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.portal.tika.jar!poi.jar	4.1.2	Apache POI ( <a href="http://poi.apache.org/">http://poi.apache.org/</a> )
com.liferay.portal.tika.jar!tagsoup.jar	1.2.1	TagSoup ( <a href="http://home.ccil.org/~cowan/XML/tagsoup/">http://home.ccil.org/~cowan/XML/tagsoup/</a> )

com.liferay.portal.tika.jar!tika-core.jar	1.26	Apache Tika core ( <a href="http://tika.apache.org/">http://tika.apache.org/</a> )
com.liferay.portal.tika.jar!tika-parsers.jar	1.26	Apache Tika parsers ( <a href="http://tika.apache.org/">http://tika.apache.org/</a> )
com.liferay.portal.tika.jar!vorbis-java-core.jar	0.8	Ogg and Vorbis for Java, Core ( <a href="https://github.com/Gagravarr/VorbisJava">https://github.com/Gagravarr/VorbisJava</a> )
com.liferay.portal.tika.jar!xmppcore.jar	6.0.6	XMP Library for Java ( <a href="https://zerowing.corp.adobe.com/display/xc">https://zerowing.corp.adobe.com/display/xc</a> )
com.liferay.portal.tools.db.upgrade.client.jar!commons-cli.jar	1.3.1	Apache Commons CLI ( <a href="http://commons.apache.org/proper/commons-cli/">http://commons.apache.org/proper/commons-cli/</a> )
com.liferay.portal.tools.db.upgrade.client.jar!jline.jar	2.12	JLine
com.liferay.portal.upgrade.impl.jar!jgrapht-core.jar	0.9.1	JGraphT - Core
com.liferay.portal.url.rewrite.filter.jar!urlrewritefilter.jar	4.0.4	UrlRewriteFilter ( <a href="http://www.tuckey.org/urlrewrite/">http://www.tuckey.org/urlrewrite/</a> )
com.liferay.portal.vulcan.api.jar!jackson-dataformat-xml.jar	2.9.8	Jackson-dataformat-XML ( <a href="http://wiki.fasterxml.com/JacksonExtension">http://wiki.fasterxml.com/JacksonExtension</a> )
com.liferay.portal.vulcan.api.jar!snakeyaml.jar	1.27	SnakeYAML ( <a href="http://www.snakeyaml.org">http://www.snakeyaml.org</a> )
com.liferay.portal.vulcan.impl.jar!antlr4-runtime.jar	4.7.1	ANTLR 4 Runtime ( <a href="http://www.antlr.org">http://www.antlr.org</a> )
com.liferay.portal.vulcan.impl.jar!classmate.jar	1.4.0	ClassMate ( <a href="http://github.com/FasterXML/java-classmate">http://github.com/FasterXML/java-classmate</a> )
com.liferay.portal.vulcan.impl.jar!commons-codec.jar	1.10	Apache Commons Codec ( <a href="http://commons.apache.org/proper/commons-codec/">http://commons.apache.org/proper/commons-codec/</a> )
com.liferay.portal.vulcan.impl.jar!commons-lang3.jar	3.8	Apache Commons Lang ( <a href="http://commons.apache.org/proper/commons-lang/">http://commons.apache.org/proper/commons-lang/</a> )
com.liferay.portal.vulcan.impl.jar!failureaccess.jar	1.0.1	Guava InternalFutureFailureAccess and InternalFutures ( <a href="https://github.com/google/guava">https://github.com/google/guava</a> )
com.liferay.portal.vulcan.impl.jar!graphql-java-annotations.jar	7.0.1	graphql-java-annotations ( <a href="https://github.com/graphql-java/graphql-java-annotations">https://github.com/graphql-java/graphql-java-annotations</a> )
com.liferay.portal.vulcan.impl.jar!graphql-java-servlet.jar	7.5.0	graphql-java-servlet ( <a href="https://github.com/graphql-java/graphql-java-kickstart/graphql-java-servlet">https://github.com/graphql-java/graphql-java-kickstart/graphql-java-servlet</a> )
com.liferay.portal.vulcan.impl.jar!graphql-java.jar	12.0	graphql-java ( <a href="https://github.com/graphql-java/graphql-java">https://github.com/graphql-java/graphql-java</a> )
com.liferay.portal.vulcan.impl.jar!guava.jar	30.1.1-jre	Guava: Google Core Libraries for Java ( <a href="https://github.com/google/guava">https://github.com/google/guava</a> )
com.liferay.portal.vulcan.impl.jar!hibernate-validator.jar	6.1.5.Final	Hibernate Validator Engine
com.liferay.portal.vulcan.impl.jar!jackson-dataformat-xml.jar	2.9.8	Jackson-dataformat-XML ( <a href="http://wiki.fasterxml.com/JacksonExtension">http://wiki.fasterxml.com/JacksonExtension</a> )
com.liferay.portal.vulcan.impl.jar!jackson-dataformat-yaml.jar	2.9.8	Jackson-dataformat-YAML ( <a href="https://github.com/FasterXML/jackson-dataformat-yaml">https://github.com/FasterXML/jackson-dataformat-yaml</a> )
com.liferay.portal.vulcan.impl.jar!jackson-datatype-jdk8.jar	2.9.8	Jackson datatype: jdk8 ( <a href="https://github.com/FasterXML/jackson-datatype-jdk8">https://github.com/FasterXML/jackson-datatype-jdk8</a> )
com.liferay.portal.vulcan.impl.jar!jackson-jaxrs-xml-provider.jar	2.9.8	Jackson-JAXRS-XML ( <a href="http://github.com/FasterXML/jackson-jaxrs-xml-provider">http://github.com/FasterXML/jackson-jaxrs-xml-provider</a> )
com.liferay.portal.vulcan.impl.jar!jackson-module-jaxb-annotations.jar	2.9.8	Jackson module: JAXB Annotations ( <a href="https://github.com/FasterXML/jackson-module-jaxb-annotations">https://github.com/FasterXML/jackson-module-jaxb-annotations</a> )
com.liferay.portal.vulcan.impl.jar!java-dataloader.jar	2.1.1	java-dataloader ( <a href="https://github.com/graphql-java/java-dataloader">https://github.com/graphql-java/java-dataloader</a> )
com.liferay.portal.vulcan.impl.jar!javassist.jar	3.23.1-GA	Javassist ( <a href="http://www.javassist.org/">http://www.javassist.org/</a> )
com.liferay.portal.vulcan.impl.jar!reactive-streams.jar	1.0.2	reactive-streams ( <a href="http://www.reactive-streams.org/">http://www.reactive-streams.org/</a> )
com.liferay.portal.vulcan.impl.jar!reflections.jar	0.9.11	Reflections ( <a href="http://github.com/ronmamo/reflections">http://github.com/ronmamo/reflections</a> )
com.liferay.portal.vulcan.impl.jar!snakeyaml.jar	1.27	SnakeYAML ( <a href="http://www.snakeyaml.org">http://www.snakeyaml.org</a> )
com.liferay.portal.vulcan.impl.jar!swagger-core.jar	2.0.6	swagger-core
com.liferay.portal.vulcan.impl.jar!swagger-integration.jar	2.0.6	swagger-integration

com.liferay.portal.vulcan.impl.jar!swagger-jaxrs2.jar	2.0.6	swagger-jaxrs2
com.liferay.portal.vulcan.impl.jar!swagger-models.jar	2.0.6	swagger-models
com.liferay.portal.workflow.kaleo.service.jar!json.jar	20180813	JSON in Java ( <a href="https://github.com/douglascrockford/JSON-java">https://github.com/douglascrockford/JSON-java</a> )
com.liferay.portal.workflow.kaleo.service.jar!org.jabsorb.jar	1.3.2.LIFERAY-PATCHED-1	org.jabsorb
com.liferay.push.notifications.sender.apple.jar!fast-uuid.jar	0.1	fast-uuid ( <a href="https://github.com/jchambers/fast-uuid">https://github.com/jchambers/fast-uuid</a> )
com.liferay.push.notifications.sender.apple.jar!pushy.jar	0.14.2	Pushy ( <a href="https://github.com/jchambers">https://github.com/jchambers</a> )
com.liferay.push.notifications.sender.firebase.jar!fcm-client.jar	0.3.0	Firebase Cloud Messaging Client ( <a href="https://github.com/liferay-mob">https://github.com/liferay-mob</a> )
com.liferay.push.notifications.sender.firebase.jar!gson.jar	2.8.0	Gson
com.liferay.push.notifications.sender.firebase.jar!okhttp.jar	3.5.0	OkHttp
com.liferay.push.notifications.sender.firebase.jar!okio.jar	1.11.0	Okio
com.liferay.push.notifications.sender.microsoft.jar!httpClient.jar	4.5.13	Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-client">http://hc.apache.org/httpcomponents-client</a> )
com.liferay.push.notifications.sender.microsoft.jar!httpcore.jar	4.4.14	HttpComponents Apache HttpCore ( <a href="http://hc.apache.org/httpcor">http://hc.apache.org/httpcor</a> )
com.liferay.push.notifications.sender.microsoft.jar!java-mpns.jar	0.1.0	Java Microsoft Push Notification Service Library ( <a href="http://aerogear.">http://aerogear. </a> )
com.liferay.push.notifications.sender.sms.jar!httpClient.jar	4.5.13	Apache HttpClient ( <a href="http://hc.apache.org/httpcomponents-client">http://hc.apache.org/httpcomponents-client</a> )
com.liferay.push.notifications.sender.sms.jar!httpcore.jar	4.4.14	HttpComponents Apache HttpCore ( <a href="http://hc.apache.org/httpcor">http://hc.apache.org/httpcor</a> )
com.liferay.push.notifications.sender.sms.jar!jackson-datatype-jsr310.jar	2.11.3	Jackson datatype: JSR310 ( <a href="https://github.com/FasterXML/jacks">https://github.com/FasterXML/jacks</a> )
com.liferay.push.notifications.sender.sms.jar!jjwt-api.jar	0.11.2	JJWT :: API ( <a href="https://github.com/jwtk/jjwt">https://github.com/jwtk/jjwt</a> )
com.liferay.push.notifications.sender.sms.jar!jjwt-impl.jar	0.11.2	JJWT :: Impl ( <a href="https://github.com/jwtk/jjwt">https://github.com/jwtk/jjwt</a> )
com.liferay.push.notifications.sender.sms.jar!jjwt-jackson.jar	0.11.2	JJWT :: Extensions :: Jackson ( <a href="https://github.com/jwtk/jjwt">https://github.com/jwtk/jjwt</a> )
com.liferay.push.notifications.sender.sms.jar!twilio.jar	8.3.0	twilio ( <a href="https://www.twilio.com">https://www.twilio.com</a> )
com.liferay.segments.content.targeting.upgrade.jar!commons-lang3.jar	3.8	Apache Commons Lang ( <a href="http://commons.apache.org/proper/con">http://commons.apache.org/proper/con</a> )
com.liferay.segments.service.jar!commons-lang3.jar	3.8	Apache Commons Lang ( <a href="http://commons.apache.org/proper/con">http://commons.apache.org/proper/con</a> )
com.liferay.server.admin.web.jar!jcommon.jar	1.0.24	JCommon ( <a href="http://www.jfree.org/jcommon/">http://www.jfree.org/jcommon/</a> )
com.liferay.server.admin.web.jar!jfreechart.jar	1.0.19	JFreeChart ( <a href="http://www.jfree.org/jfreechart/">http://www.jfree.org/jfreechart/</a> )
com.liferay.shared.dependencies.apache.commons.jar!commons-digester.jar	1.8.1	Commons Digester ( <a href="http://commons.apache.org/digester/">http://commons.apache.org/digester/</a> )
com.liferay.shared.dependencies.apache.commons.jar!commons-validator.jar	1.5.1	Apache Commons Validator ( <a href="http://commons.apache.org/proper/">http://commons.apache.org/proper/</a> )
com.liferay.shared.dependencies.netty.jar!netty-buffer.jar	4.1.72.Final	Netty/Buffer ( <a href="https://netty.io/">https://netty.io/</a> )
com.liferay.shared.dependencies.netty.jar!netty-codec-http.jar	4.1.72.Final	Netty/Codec/HTTP ( <a href="https://netty.io/">https://netty.io/</a> )
com.liferay.shared.dependencies.netty.jar!netty-codec-http2.jar	4.1.72.Final	Netty/Codec/HTTP2 ( <a href="https://netty.io/">https://netty.io/</a> )
com.liferay.shared.dependencies.netty.jar!netty-codec.jar	4.1.72.Final	Netty/Codec ( <a href="https://netty.io/">https://netty.io/</a> )
com.liferay.shared.dependencies.netty.jar!netty-common.jar	4.1.72.Final	Netty/Common ( <a href="https://netty.io/">https://netty.io/</a> )
com.liferay.shared.dependencies.netty.jar!netty-handler-proxy.jar	4.1.72.Final	Netty/Handler/Proxy ( <a href="https://netty.io/">https://netty.io/</a> )

com.liferay.shared.dependencies.netty.jar!netty-handler.jar	4.1.72.Final	Netty/Handler ( <a href="https://netty.io/">https://netty.io/</a> )
com.liferay.shared.dependencies.netty.jar!netty-resolver-dns.jar	4.1.72.Final	Netty/Resolver/DNS ( <a href="https://netty.io/">https://netty.io/</a> )
com.liferay.shared.dependencies.netty.jar!netty-resolver.jar	4.1.72.Final	Netty/Resolver ( <a href="https://netty.io/">https://netty.io/</a> )
com.liferay.shared.dependencies.netty.jar!netty-transport.jar	4.1.72.Final	Netty/Transport ( <a href="https://netty.io/">https://netty.io/</a> )
com.liferay.shared.dependencies.xstream.jar!kxml2.jar	2.3.0	kXML 2 is a small XML pull parser based on the common XML pu
com.liferay.shared.dependencies.xstream.jar!mxparser.jar	1.2.2	MXParser ( <a href="http://x-stream.github.io/mxparser">http://x-stream.github.io/mxparser</a> )
com.liferay.shared.dependencies.xstream.jar!xstream.jar	1.4.17	XStream Core ( <a href="http://x-stream.github.io">http://x-stream.github.io</a> )
com.liferay.style.book.web.jar!org.jsoup.jar	1.10.2.LIFERAY-PATCHED-3	org.jsoup
com.liferay.translation.service.jar!icu4j.jar	65.1	ICU4J ( <a href="http://icu-project.org/">http://icu-project.org/</a> )
com.liferay.translation.service.jar!okapi-core.jar	1.42.0	Okapi Core
com.liferay.translation.service.jar!okapi-filter-autoxliff.jar	1.42.0	Okapi Filter for XLIFF 1.2 and 2.0
com.liferay.translation.service.jar!okapi-filter-xliff.jar	1.42.0	Okapi Filter for XLIFF
com.liferay.translation.service.jar!okapi-filter-xliff2.jar	1.42.0	Okapi Filter for XLIFF2
com.liferay.translation.service.jar!okapi-lib-xliff2.jar	1.42.0	Okapi Library for XLIFF 2
com.liferay.translation.service.jar!stax2-api.jar	4.2.1	Stax2 API ( <a href="http://github.com/FasterXML/stax2-api">http://github.com/FasterXML/stax2-api</a> )
com.liferay.translation.service.jar!woodstox-core.jar	6.2.3	Woodstox ( <a href="https://github.com/FasterXML/woodstox">https://github.com/FasterXML/woodstox</a> )
com.liferay.translation.web.jar!commons-csv.jar	1.8	Apache Commons CSV ( <a href="https://commons.apache.org/proper/commons-csv/">https://commons.apache.org/proper/commons-csv/</a> )
com.liferay.wiki.engine.creole.jar!antlr.jar	3.0.1	AntLR Parser Generator ( <a href="http://antlr.org/">http://antlr.org/</a> )
com.liferay.wiki.engine.creole.jar!stringtemplate.jar	3.0	Stringtemplate ( <a href="http://www.stringtemplate.org/">http://www.stringtemplate.org/</a> )
com.liferay.wiki.engine.html.jar!jericho-html.jar	3.1	Jericho HTML Parser ( <a href="http://jericho.htmlparser.net">http://jericho.htmlparser.net</a> )
com.liferay.wiki.service.jar!antlr.jar	3.0.1	AntLR Parser Generator ( <a href="http://antlr.org/">http://antlr.org/</a> )
com.liferay.wiki.service.jar!jericho-html.jar	3.1	Jericho HTML Parser ( <a href="http://jericho.htmlparser.net">http://jericho.htmlparser.net</a> )
com.liferay.wiki.service.jar!oro.jar	2.0.8	oro:oro
com.liferay.wiki.service.jar!stringtemplate.jar	3.0	Stringtemplate ( <a href="http://www.stringtemplate.org/">http://www.stringtemplate.org/</a> )
com.liferay.words.impl.jar!jazzy.jar	0.5.2-rtext-1.4.1-2	Jazzy (RText Version) ( <a href="http://jazzy.sourceforge.net/">http://jazzy.sourceforge.net/</a> )
lib/development/activation.jar	1.1	JavaBeans Activation Framework ( <a href="http://java.sun.com/products/javabeans/">http://java.sun.com/products/javabeans/</a> )
lib/development/alloy-taglib.jar	1.1.14	Alloy TagLibs ( <a href="https://github.com/liferay/alloy-taglibs">https://github.com/liferay/alloy-taglibs</a> )
lib/development/annotations.jar	1.0	Common Annotations ( <a href="http://jsr250.dev.java.net">http://jsr250.dev.java.net</a> )
lib/development/ant-apache-bsf.jar	1.10.9	Ant ( <a href="http://ant.apache.org">http://ant.apache.org</a> )
lib/development/ant-compress.jar	1.5	Apache Compress Antlib ( <a href="https://ant.apache.org/antlibs/compress/">https://ant.apache.org/antlibs/compress/</a> )
lib/development/ant-contrib.jar	1.0 B3	Ant-Contrib Tasks ( <a href="http://ant-contrib.sourceforge.net">http://ant-contrib.sourceforge.net</a> )
lib/development/antelope.jar	3.4.0	Antelope ( <a href="http://antelope.tigris.org">http://antelope.tigris.org</a> )

lib/development/appium.jar	1.6.2	Appium ( <a href="http://appium.io">http://appium.io</a> )
lib/development/aspectj-rt.jar	1.9.5	AspectJ ( <a href="http://www.eclipse.org/aspectj">http://www.eclipse.org/aspectj</a> )
lib/development/aspectj-weaver.jar	1.9.5	AspectJ ( <a href="http://www.eclipse.org/aspectj">http://www.eclipse.org/aspectj</a> )
lib/development/bnd-repository.jar	5.3.0	Bndtools ( <a href="https://bnd.bndtools.org">https://bnd.bndtools.org</a> )
lib/development/bsh.jar	2.0 B4	BeanShell ( <a href="http://www.beanshell.org">http://www.beanshell.org</a> )
lib/development/catalina.jar	9.0.56	Tomcat ( <a href="http://tomcat.apache.org">http://tomcat.apache.org</a> )
lib/development/com.liferay.jenkins.results.parser.jar	1.0.987	Liferay Jenkins Results Parser
lib/development/com.liferay.poshi.core.jar	1.0.47	Liferay Poshi Core
lib/development/commons-lang3.jar	3.12.0	Commons Lang ( <a href="http://commons.apache.org/proper/commons-l">http://commons.apache.org/proper/commons-l</a>
lib/development/dtddoc.jar	1.1.0	DTDDoc ( <a href="http://dtddoc.sourceforge.net">http://dtddoc.sourceforge.net</a> )
lib/development/dtdparser.jar	1.20	DTDParser ( <a href="http://sourceforge.net/projects/dtdparser">http://sourceforge.net/projects/dtdparser</a> )
lib/development/dumbster.jar	02856255a6cc7f	Dumbster ( <a href="https://github.com/rjo1970/dumbster">https://github.com/rjo1970/dumbster</a> )
lib/development/error-prone-ant.jar	1.0.8	Error-Prone ( <a href="https://code.google.com/p/error-prone">https://code.google.com/p/error-prone</a> )
lib/development/freemarker.jar	2.3.29.LIFERAY-PATCHED-2	FreeMarker ( <a href="http://www.freemarker.org">http://www.freemarker.org</a> )
lib/development/gson.jar	2.2.4	Gson ( <a href="http://code.google.com/p/google-gson">http://code.google.com/p/google-gson</a> )
lib/development/guava.jar	30.1.1-jre	Guava ( <a href="https://opensource.google.com/projects/guava">https://opensource.google.com/projects/guava</a> )
lib/development/hamcrest-core.jar	1.3	Hamcrest ( <a href="http://code.google.com/p/hamcrest">http://code.google.com/p/hamcrest</a> )
lib/development/hamcrest-library.jar	1.3	Hamcrest ( <a href="http://code.google.com/p/hamcrest">http://code.google.com/p/hamcrest</a> )
lib/development/hsqldb.jar	2.3.3	HSQL Database Engine ( <a href="http://hsqldb.org">http://hsqldb.org</a> )
lib/development/j2h.jar	1.5	Java2HTML ( <a href="http://www.java2html.com">http://www.java2html.com</a> )
lib/development/jacocoagent.jar	0.8.4	JaCoCo ( <a href="http://www.jacoco.org/">http://www.jacoco.org/</a> )
lib/development/jacocoant.jar	0.8.4	JaCoCo ( <a href="http://www.jacoco.org/">http://www.jacoco.org/</a> )
lib/development/jacococore.jar	0.8.4	JaCoCo ( <a href="http://www.jacoco.org/">http://www.jacoco.org/</a> )
lib/development/jacocoreport.jar	0.8.4	JaCoCo ( <a href="http://www.jacoco.org/">http://www.jacoco.org/</a> )



lib/development/jalopy.jar	1.5 RC3	Jalopy ( <a href="http://jalopy.sourceforge.net">http://jalopy.sourceforge.net</a> )
lib/development/jargs.jar	1.0	JArgs ( <a href="http://jargs.sourceforge.net">http://jargs.sourceforge.net</a> )
lib/development/jasper.jar	9.0.56	Tomcat ( <a href="http://tomcat.apache.org">http://tomcat.apache.org</a> )
lib/development/jaxb-api.jar	2.1.9	Java Architecture for XML Binding ( <a href="http://jaxb.dev.java.net">http://jaxb.dev.java.net</a> )
lib/development/jbi_rt.jar	2.4.3	Glassfish ( <a href="http://glassfish.dev.java.net">http://glassfish.dev.java.net</a> )
lib/development/jhighlight.jar	1.0	JHighlight ( <a href="http://jhighlight.dev.java.net">http://jhighlight.dev.java.net</a> )
lib/development/jndi.jar	1.2.1	Java Naming and Directory Interface ( <a href="http://java.sun.com/products/jndi">http://java.sun.com/products/jndi</a> )
lib/development/jsch.jar	0.1.55	JSch ( <a href="http://www.jcraft.com/jsch">http://www.jcraft.com/jsch</a> )
lib/development/jserrorcollector.jar	0.6-atlassian-3	JSErrorCollector ( <a href="https://github.com/atlassian/JSErrorCollector">https://github.com/atlassian/JSErrorCollector</a> )
lib/development/jsonassert.jar	1.2.3	JSONAssert ( <a href="http://jsonassert.skyscreamer.org">http://jsonassert.skyscreamer.org</a> )
lib/development/jsp-api.jar	2.1	JavaServer Pages ( <a href="http://java.sun.com/products/jsp">http://java.sun.com/products/jsp</a> )
lib/development/jstl-api.jar	1.2.2	JSTL ( <a href="https://jstl.dev.java.net">https://jstl.dev.java.net</a> )
lib/development/jstl-impl.jar	1.2.3	JSTL ( <a href="https://jstl.dev.java.net">https://jstl.dev.java.net</a> )
lib/development/junit.jar	4.13.1	JUnit ( <a href="http://www.junit.org/index.htm">http://www.junit.org/index.htm</a> )
lib/development/mail.jar	1.6.6	JavaMail ( <a href="https://eclipse-ee4j.github.io/mail/">https://eclipse-ee4j.github.io/mail/</a> )
lib/development/mariadb.jar	2.7.4	MariaDB Connector/J ( <a href="https://downloads.mariadb.org/connector-j">https://downloads.mariadb.org/connector-j</a> )
lib/development/maven-ant-tasks.jar	2.1.3	Maven Ant Tasks ( <a href="http://maven.apache.org/ant-tasks">http://maven.apache.org/ant-tasks</a> )
lib/development/mockito.jar	1.9.5	Mockito ( <a href="http://code.google.com/p/mockito">http://code.google.com/p/mockito</a> )
lib/development/mysql.jar	8.0.21	MySQL Connector/J ( <a href="http://www.mysql.com/products/connector">http://www.mysql.com/products/connector</a> )
lib/development/objenesis.jar	2.1	Objenesis ( <a href="http://code.google.com/p/objenesis">http://code.google.com/p/objenesis</a> )
lib/development/osgi-annotation-versioning.jar	1.1.0	org.osgi.annotation.versioning ( <a href="https://www.osgi.org/">https://www.osgi.org/</a> )
lib/development/osgi-core.jar	6.0.0	osgi.core ( <a href="https://www.osgi.org/">https://www.osgi.org/</a> )
lib/development/osgi-service-cm.jar	1.6.0	osgi.core ( <a href="https://www.osgi.org/">https://www.osgi.org/</a> )
lib/development/osgi-service-component.jar	1.4.0	osgi.core ( <a href="https://www.osgi.org/">https://www.osgi.org/</a> )
lib/development/osgi-service-log.jar	1.3.0	osgi.core ( <a href="https://www.osgi.org/">https://www.osgi.org/</a> )

lib/development/p6spy.jar	1.3	P6Spy ( <a href="http://sourceforge.net/projects/p6spy">http://sourceforge.net/projects/p6spy</a> )
lib/development/portletmvc4spring-test.jar	5.2.1	PortletMVC4Spring ( <a href="https://github.com/liferay/portletmvc4spring">https://github.com/liferay/portletmvc4spring</a> )
lib/development/postgresql.jar	42.2.5	PostgreSQL JDBC Driver ( <a href="http://jdbc.postgresql.org">http://jdbc.postgresql.org</a> )
lib/development/powermock-api-mockito.jar	1.6.1	Powermock ( <a href="http://code.google.com/p/powermock">http://code.google.com/p/powermock</a> )
lib/development/powermock-api-support.jar	1.6.1	Powermock ( <a href="http://code.google.com/p/powermock">http://code.google.com/p/powermock</a> )
lib/development/powermock-core.jar	1.6.1	Powermock ( <a href="http://code.google.com/p/powermock">http://code.google.com/p/powermock</a> )
lib/development/powermock-module-junit4-common.jar	1.6.1	Powermock ( <a href="http://code.google.com/p/powermock">http://code.google.com/p/powermock</a> )
lib/development/powermock-module-junit4.jar	1.6.1	Powermock ( <a href="http://code.google.com/p/powermock">http://code.google.com/p/powermock</a> )
lib/development/powermock-reflect.jar	1.6.1	Powermock ( <a href="http://code.google.com/p/powermock">http://code.google.com/p/powermock</a> )
lib/development/qdox.jar	1.12.1	QDox ( <a href="http://qdox.codehaus.org">http://qdox.codehaus.org</a> )
lib/development/reflections.jar	0.9.12	reflections ( <a href="https://github.com/ronmamo/reflections">https://github.com/ronmamo/reflections</a> )
lib/development/saxpath.jar	1.0 FCS	SAXPath ( <a href="http://sourceforge.net/projects/saxpath">http://sourceforge.net/projects/saxpath</a> )
lib/development/sdk-addon-api-0.2.jar	0.2	Glassfish ( <a href="http://glassfish.dev.java.net">http://glassfish.dev.java.net</a> )
lib/development/servlet-api.jar	3.1.0	Java Servlet ( <a href="http://java.sun.com/products/servlet">http://java.sun.com/products/servlet</a> )
lib/development/slf4j-simple.jar	1.7.10	SLF4J Simple Binding ( <a href="http://www.slf4j.org">http://www.slf4j.org</a> )
lib/development/sling-commons-osgi.jar	2.4.0	org.apache.sling ( <a href="https://sling.apache.org/">https://sling.apache.org/</a> )
lib/development/sling-testing-osgi-mock-core.jar	3.1.2	org.apache.sling ( <a href="https://sling.apache.org/">https://sling.apache.org/</a> )
lib/development/smtp.jar	1.5.4	JavaMail ( <a href="http://java.sun.com/products/javamail">http://java.sun.com/products/javamail</a> )
lib/development/spring-instrument-tomcat.jar	4.3.23	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/development/spring-instrument.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/development/spring-test.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/development/tlddoc.jar	1.3	Tag Library Documentation Generator ( <a href="https://taglibrarydoc.dev.java.net/">https://taglibrarydoc.dev.java.net/</a> )
lib/development/tomcat-api.jar	9.0.56	Tomcat ( <a href="http://tomcat.apache.org">http://tomcat.apache.org</a> )

lib/development/tomcat-coyote.jar	9.0.56	Tomcat ( <a href="http://tomcat.apache.org">http://tomcat.apache.org</a> )
lib/development/tomcat-util-scan.jar	9.0.56	Tomcat ( <a href="http://tomcat.apache.org">http://tomcat.apache.org</a> )
lib/development/tomcat-util.jar	9.0.56	Tomcat ( <a href="http://tomcat.apache.org">http://tomcat.apache.org</a> )
lib/development/velocity-tools.jar	1.4	Velocity ( <a href="http://velocity.apache.org">http://velocity.apache.org</a> )
lib/development/velocity.jar	1.6.4	Velocity ( <a href="http://velocity.apache.org">http://velocity.apache.org</a> )
lib/development/websocket-api.jar	1.1	WebSocket ( <a href="http://www.oracle.com/technetwork/articles/java/jsr">http://www.oracle.com/technetwork/articles/java/jsr</a> )
lib/development/xmlresolver.jar	0.12.5	XML Resolver ( <a href="https://github.com/ndw/xmlresolver">https://github.com/ndw/xmlresolver</a> )
lib/development/xmltask.jar	1.16	XMLTask ( <a href="http://www.oopsconsultancy.com/software/xmltask">http://www.oopsconsultancy.com/software/xmltask</a> )
lib/portal/asm-analysis.jar	7.0	ASM ( <a href="http://asm.ow2.io">http://asm.ow2.io</a> )
lib/portal/asm-commons.jar	7.0	ASM ( <a href="http://asm.ow2.io">http://asm.ow2.io</a> )
lib/portal/asm-tree.jar	7.0	ASM ( <a href="http://asm.ow2.io">http://asm.ow2.io</a> )
lib/portal/asm-util.jar	7.0	ASM ( <a href="http://asm.ow2.io">http://asm.ow2.io</a> )
lib/portal/asm.jar	7.0	ASM ( <a href="http://asm.ow2.io">http://asm.ow2.io</a> )
lib/portal/c3p0.jar	0.9.5.4	C3P0 ( <a href="http://sourceforge.net/projects/c3p0">http://sourceforge.net/projects/c3p0</a> )
lib/portal/commons-beanutils.jar	1.9.4	Commons Beanutils ( <a href="http://commons.apache.org/beanutils">http://commons.apache.org/beanutils</a> )
lib/portal/commons-codec.jar	1.13	Commons Codec ( <a href="http://commons.apache.org/codec">http://commons.apache.org/codec</a> )
lib/portal/commons-collections.jar	3.2.2	Commons Collections ( <a href="http://commons.apache.org/collections">http://commons.apache.org/collections</a> )
lib/portal/commons-collections4.jar	4.2	Apache Commons Collections ( <a href="http://commons.apache.org/prop">http://commons.apache.org/prop</a> )
lib/portal/commons-compress.jar	1.21	Commons Compress ( <a href="http://commons.apache.org/compress">http://commons.apache.org/compress</a> )
lib/portal/commons-configuration.jar	1.10.LIFERAY-PATCHED-2	Commons Configuration ( <a href="http://commons.apache.org/configurati">http://commons.apache.org/configurati</a> )
lib/portal/commons-dbcp.jar	1.2.2	Commons DBCP ( <a href="http://commons.apache.org/dbcp">http://commons.apache.org/dbcp</a> )
lib/portal/commons-exec.jar	1.3	Commons Exec ( <a href="http://commons.apache.org/proper/commons-e">http://commons.apache.org/proper/commons-e</a> )
lib/portal/commons-fileupload.jar	1.3.3	Commons FileUpload ( <a href="http://commons.apache.org/fileupload">http://commons.apache.org/fileupload</a> )
lib/portal/commons-io.jar	2.8.0	Commons IO ( <a href="http://commons.apache.org/io">http://commons.apache.org/io</a> )
lib/portal/commons-lang.jar	2.6	Commons Lang ( <a href="http://commons.apache.org/lang">http://commons.apache.org/lang</a> )
lib/portal/commons-logging.jar	1.2	Commons Logging ( <a href="http://commons.apache.org/logging">http://commons.apache.org/logging</a> )
lib/portal/commons-math.jar	2.0	Commons Math ( <a href="http://commons.apache.org/math">http://commons.apache.org/math</a> )

lib/portal/commons-math3.jar	3.6.1	Commons Math ( <a href="http://commons.apache.org/math">http://commons.apache.org/math</a> )
lib/portal/commons-pool.jar	1.5.7	Commons Pool ( <a href="http://commons.apache.org/pool">http://commons.apache.org/pool</a> )
lib/portal/crypt.jar	1.0	Manticore UFC Crypt ( <a href="http://manticore.2y.net/Java/examples/Crypt">http://manticore.2y.net/Java/examples/Crypt</a> )
lib/portal/dom4j.jar	2.1.3	dom4j ( <a href="http://dom4j.org">http://dom4j.org</a> )
lib/portal/fontbox.jar	2.0.24	PDFBox ( <a href="http://pdfbox.apache.org">http://pdfbox.apache.org</a> )
lib/portal/hibernate-core.jar	3.6.10.LIFERAY-PATCHED-6	Hibernate ( <a href="http://www.hibernate.org">http://www.hibernate.org</a> )
lib/portal/hikaricp.jar	2.6.3	HikariCP ( <a href="https://github.com/brettwooldridge/HikariCP">https://github.com/brettwooldridge/HikariCP</a> )
lib/portal/httpclient.jar	4.5.13	HttpComponents ( <a href="http://hc.apache.org">http://hc.apache.org</a> )
lib/portal/httpcore.jar	4.4.14	HttpComponents ( <a href="http://hc.apache.org">http://hc.apache.org</a> )
lib/portal/httpmime.jar	4.5.13	HttpComponents ( <a href="http://hc.apache.org">http://hc.apache.org</a> )
lib/portal/istack-commons-runtime.jar	3.0.7	Jaxb Istack Commons ( <a href="https://javaee.github.io/jaxb-istack-commons/">https://javaee.github.io/jaxb-istack-commons/</a> )
lib/portal/jabsorb.jar	1.3.2.LIFERAY-PATCHED-1	jabsorb ( <a href="http://jabsorb.org">http://jabsorb.org</a> )
lib/portal/jackson-databind.jar	2.12.4	Jackson Databind ( <a href="https://github.com/FasterXML/jackson-databind">https://github.com/FasterXML/jackson-databind</a> )
lib/portal/jai-imageio-core.jar	1.4.0	Java Advanced Imaging Image I/O Tools API Core (standalone) ( <a href="http://javaimageio.org">http://javaimageio.org</a> )
lib/portal/jai-imageio-jpeg2000.jar	1.3.0	JPEG2000 support for Java Advanced Imaging Image I/O Tools API ( <a href="http://javaimageio.org">http://javaimageio.org</a> )
lib/portal/javassist.jar	3.18.2 GA	Javassist ( <a href="http://www.csg.is.titech.ac.jp/~chiba/javassist">http://www.csg.is.titech.ac.jp/~chiba/javassist</a> )
lib/portal/jaxb-api.jar	2.3.0	JAXB-API ( <a href="http://jaxb.java.net">http://jaxb.java.net</a> )
lib/portal/jaxb-runtime.jar	2.3.1	Java Architecture for XML Binding ( <a href="https://javaee.github.io/jaxb-runtime/">https://javaee.github.io/jaxb-runtime/</a> )
lib/portal/jaxen.jar	1.1.6	Jaxen ( <a href="http://jaxen.org">http://jaxen.org</a> )
lib/portal/jaxrpc.jar	1.1	Java API for XML-based RPC ( <a href="http://jax-rpc.dev.java.net">http://jax-rpc.dev.java.net</a> )
lib/portal/jaxrs-api.jar	2.1	Java API for RESTful Web Services ( <a href="http://jax-rs-spec.java.net">http://jax-rs-spec.java.net</a> )
lib/portal/jaxws-api.jar	2.3.0	JAX-WS (JSR 224) API ( <a href="https://github.com/javaee/jax-ws-spec">https://github.com/javaee/jax-ws-spec</a> )
lib/portal/jaxws-rt.jar	2.1.7.LIFERAY-PATCHED-1	Java API for XML Web Services ( <a href="http://jax-ws.java.net">http://jax-ws.java.net</a> )
lib/portal/jbig2-imageio.jar	3.0.3	PDFBox JBIG2 ImageIO Plugin ( <a href="http://pdfbox.apache.org">http://pdfbox.apache.org</a> )
lib/portal/jcl-over-slf4j.jar	1.7.2	SLF4J ( <a href="http://www.slf4j.org">http://www.slf4j.org</a> )

lib/portal/jdom2.jar	2.0.6.LIFERAY-PATCHED-1	JDOM ( <a href="http://www.jdom.org">http://www.jdom.org</a> )
lib/portal/jempbox.jar	1.8.16	PDFBox ( <a href="http://pdfbox.apache.org">http://pdfbox.apache.org</a> )
lib/portal/jericho-html.jar	3.1	Jericho HTML Parser ( <a href="http://jerichohtml.sourceforge.net">http://jerichohtml.sourceforge.net</a> )
lib/portal/jersey-common.jar	2.26	Jersey core common packages ( <a href="https://jersey.github.io/">https://jersey.github.io/</a> )
lib/portal/jodd-json.jar	6.0.3	Jodd JSON ( <a href="http://jodd.org">http://jodd.org</a> )
lib/portal/jodd-proxetta.jar	6.0.0	Jodd Proxetta ( <a href="http://jodd.org">http://jodd.org</a> )
lib/portal/jodd-util.jar	6.0.1.LIFERAY-PATCHED-1	Jodd Util ( <a href="http://jodd.org">http://jodd.org</a> )
lib/portal/json-java.jar	20180813	JSON in Java ( <a href="https://github.com/douglascrockford/JSON-java">https://github.com/douglascrockford/JSON-java</a> )
lib/portal/jws-api.jar	1.1	Java EE Web Services Metadata API ( <a href="http://glassfish.java.net">http://glassfish.java.net</a> )
lib/portal/log4j-1.2-api.jar	2.17.1	Log4j 1.x Compatibility API ( <a href="http://logging.apache.org/log4j">http://logging.apache.org/log4j</a> )
lib/portal/log4j-api.jar	2.17.1.LIFERAY-PATCHED-1	Log4j API ( <a href="http://logging.apache.org/log4j">http://logging.apache.org/log4j</a> )
lib/portal/log4j-core.jar	2.17.1.LIFERAY-PATCHED-1	Log4j Core ( <a href="http://logging.apache.org/log4j">http://logging.apache.org/log4j</a> )
lib/portal/mchange-commons-java.jar	0.2.15	C3P0 ( <a href="http://sourceforge.net/projects/c3p0">http://sourceforge.net/projects/c3p0</a> )
lib/portal/mimepull.jar	1.3	MIME pull ( <a href="http://mimepull.java.net">http://mimepull.java.net</a> )
lib/portal/netcdf.jar	4.3.23	NetCDF ( <a href="https://www.unidata.ucar.edu/downloads/netcdf/netcdf">https://www.unidata.ucar.edu/downloads/netcdf/netcdf</a> )
lib/portal/pdfbox.jar	2.0.24	PDFBox ( <a href="http://pdfbox.apache.org">http://pdfbox.apache.org</a> )
lib/portal/persistence.jar	2.2.1	Java Persistence ( <a href="http://java.sun.com/javaee/overview/faq/persis">http://java.sun.com/javaee/overview/faq/persis</a> )
lib/portal/portlet.jar	3.0.1	JSR 362 Portlet Specification 3.0 ( <a href="https://jcp.org/en/jsr/detail?id=">https://jcp.org/en/jsr/detail?id=</a>
lib/portal/portletmvc4spring-framework.jar	5.2.0	PortletMVC4Spring ( <a href="https://github.com/liferay/portletmvc4spring">https://github.com/liferay/portletmvc4spring</a> )
lib/portal/rometools-utils.jar	1.16.0	Rome Tools ( <a href="http://rometools.github.io/rome/">http://rometools.github.io/rome/</a> )
lib/portal/rometools.jar	1.16.0	Rome Tools ( <a href="http://rometools.github.io/rome/">http://rometools.github.io/rome/</a> )
lib/portal/saaj-api.jar	1.3	SAAJ ( <a href="http://saaj.dev.java.net">http://saaj.dev.java.net</a> )
lib/portal/saaj-impl.jar	1.3	SAAJ ( <a href="http://saaj.dev.java.net">http://saaj.dev.java.net</a> )
lib/portal/serializer.jar	2.7.2	Xalan-Java ( <a href="http://xalan.apache.org/xalan-j">http://xalan.apache.org/xalan-j</a> )

lib/portal/slf4j-api.jar	1.7.26	SLF4J ( <a href="http://www.slf4j.org">http://www.slf4j.org</a> )
lib/portal/soap-api.jar	1.4.0	SAAJ API ( <a href="https://javaee.github.io/javaee-spec/">https://javaee.github.io/javaee-spec/</a> )
lib/portal/soap.jar	2.2	Apache Simple Object Access Protocol ( <a href="http://archive.apache.org">http://archive.apache.org</a> )
lib/portal/spring-aop.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-aspects.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-beans.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-context-support.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-context.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-core.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-expression.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-jdbc.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )

lib/portal/spring-jms.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-orm.jar	4.3.22.LIFERAY-PATCHED-1	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-oxm.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-tx.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-web.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/spring-webmvc.jar	5.2.10	Spring ( <a href="http://www.springframework.org">http://www.springframework.org</a> )
lib/portal/stax-ex.jar	1.2	StAX-Ex ( <a href="http://stax-ex.java.net">http://stax-ex.java.net</a> )
lib/portal/stax.jar	1.0.1	JSR 173 Streaming API for XML ( <a href="http://jcp.org/en/jsr/detail?id=173">http://jcp.org/en/jsr/detail?id=173</a> )
lib/portal/streambuffer.jar	0.9	XML Stream Buffer ( <a href="http://java.net/projects/xmlstreambuffer">http://java.net/projects/xmlstreambuffer</a> )
lib/portal/tomcat-jdbc.jar	9.0.56	Tomcat ( <a href="http://tomcat.apache.org">http://tomcat.apache.org</a> )
lib/portal/tomcat-juli.jar	9.0.56	Tomcat ( <a href="http://tomcat.apache.org">http://tomcat.apache.org</a> )
lib/portal/transaction.jar	1.3	Project GlassFish Java Transaction API ( <a href="http://jta-spec.java.net">http://jta-spec.java.net</a> )
lib/portal/wstx.jar	3.2.8	Woodstox ( <a href="http://woodstox.codehaus.org">http://woodstox.codehaus.org</a> )
lib/portal/xbean-spring.jar	2.8	XBean ( <a href="http://geronimo.apache.org/xbean">http://geronimo.apache.org/xbean</a> )
lib/portal/xbean.jar	3.0.2	XMLBeans ( <a href="http://xmlbeans.apache.org">http://xmlbeans.apache.org</a> )

lib/portal/xercesImpl.jar	2.12.1	Xerces ( <a href="http://xerces.apache.org/xerces2-j">http://xerces.apache.org/xerces2-j</a> )
lib/portal/xml-apis.jar	1.4.01	xml-commons ( <a href="http://xerces.apache.org/xml-commons">http://xerces.apache.org/xml-commons</a> )
lib/portal/xmlsec.jar	1.5.8	XML Security ( <a href="http://santuario.apache.org">http://santuario.apache.org</a> )
lib/portal/xz.jar	1.8	XZ ( <a href="http://tukaani.org/xz/java.html">http://tukaani.org/xz/java.html</a> )

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