Oracle® Healthcare Translational Research

Licensing Information User Manual

Release 4.0

F42072-01

ORACLE®

Contents

B   PGX third party licenses and notices

Preface

This preface contains the following sections:

- Documentation accessibility
- Related resources
- Access to Oracle Support

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- [SockJS client](sockjs)
- [Spring Boot](springboot)
- [Spring Retry](springretry)
- [Springfox](springfox)
- [STOMP.js](stompjs)
- [swagger-ui](swaggerui)
- [three.js](threejs)
- [Thrift](thrift)
- [Zeppelin](zeppelin)

bluebird

Vendor: Petka Antonov

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D3 v5.12.0
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dagre

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graphlib 2.1.8

fetch

Vendor: GitHub

fuse.js

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fuse.js v. 3.2.1
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Guava

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guava:29.0-jre

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failureaccess:1.0.1

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listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar

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grpc-netty

Vendor: The gRPC Authors

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grpc-netty-1.33.0.jar
grpc:grpc-core-1.33.0.jar
grpc:grpc-api-1.33.0.jar
grpc-context-1.33.0.jar


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netty-transport-4.1.51.final.jar
netty-resolver-4.1.51.final.jar
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netty-codec-socks-4.1.51.final.jar
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animal-sniffer-annotations-1.18.jar

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failureaccess-1.0.1.jar
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Vendor: The gRPC Authors

```
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grpc:grpc-api:jar:1.33.0
grpc-protobuf-lite:jar:1.33.0
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protobuf-java:jar:3.13.0

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animal-sniffer-annotations:jar:1.18

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Dependency: com.fasterxml.jackson.core:jackson-databind:jar:2.11.2
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whoots-js

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gl-matrix

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murmurhash-js

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David H. Munro wrote Yorick and Gist. Berkeley Yacc (byacc) generated the Yorick parser. The routines in Math are from LAPACK and FFTPACK; MathC contains C translations by David H. Munro. The algorithms for Yorick's random number generator and several special functions in Yorick/include were taken from Numerical Recipes by Press, et. al., although the Yorick implementations are unrelated to those in Numerical Recipes. A small amount of code in Gist was adapted from

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Some files from the tests folder are from joyent/node and mscedex/io.js, a fork of nodejs/io.js:

    tests/iojs/test-http-parser-durability.js

    This file is from https://github.com/mscdex/io.js/blob/js-http-parser/test/pummel/test-http-parser-durability.js with modifications by Jan Schär (jscissr).

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    tests/fixtures/* tests/parallel/* tests/testpy/* tests/common.js

tests/test.py tests/utils.py

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Sisu-inject-bean-2.6.0.jar
Sisu-inject-plexus-2.6.0.jar

```
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 ******************************************************************************/
```

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slf4j-api-1.7.30.jar

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snakeyaml-1.26.jar

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 */
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tomcat-embed-core-9.0.38.jar
tomcat-embed-el-9.0.19.jar
tomcat-embed-websocket-9.0.38.jar

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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar
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The original XML Schemas for Java EE Deployment Descriptors:
 - javaee_5.xsd

```
- javaee_web_services_1_2.xsd
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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd
```

may be obtained from:
http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html

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Vendor: Pivotal Software, Inc

Spring Retry, Version 1.2.5

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Springfox

Vendor: Marty Pitt, Dilip Krishnan, and Adrian Kelly

Springfox 2.9.2

springfox-bean-validators-2.9.2.jar
springfox-swagger2-2.9.2.jar
springfox-core-2.9.2.jar
springfox-schema-2.9.2.jar
springfox-spi-2.9.2.jar
springfox-spring-web-2.9.2.jar
springfox-swagger-common-2.9.2.jar
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spring-plugin-core-1.2.0.RELEASE.jar
spring-plugin-metadata-1.2.0.RELEASE.jar
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*/
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swagger-annotations-1.5.20.jar
swagger-models-1.5.21.jar
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byte-buddy-1.9.16.jar
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 */
/**
 * The Byte Buddy agent allows the redefinition of classes at runtime.


***********************
*/mapstruct-1.2.0.Final.jar
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```

swagger-ui

Vendor: SmartBear Software

```
swagger-ui 3.25.4

swagger-ui.js
swagger-ui-bundle.js
swagger-ui-standalone-preset.js
swagger-ui.css

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************************
swagger-io dependencies:


runtime-corejs2:7.5.5
```

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object-assign-deep:0.4.2
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base64-js:1.2.0
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classnames:2.2.6

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core-js:2.5.1

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css.escape:1.5.1

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deep-extend:0.6.0

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prop-types:15.7.2
react:15.6.2
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react-motion:0.5.2

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Dependency: org.apache.httpcomponents:httpcore:4.4.13

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Dependency: commons-logging:commons-logging:1.2

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Dependency: commons-codec:commons-codec:1.11

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src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java
contains test data from http://aspell.net/test/orig/batch0.tab.
Copyright (C) 2002 Kevin Atkinson (kevina@gnu.org)

```
===============================================================================
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The content of package org.apache.commons.codec.language.bm has been translated
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Zeppelin

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com.fasterxml.jackson.module ($project.organization.url).
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FuseSource, Corp. (http://fusesource.com/).
This product includes software, HK2 API module, developed
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This product includes software, OSGi resource locator bundle - used by various
API providers that rely on META-INF/services mechanism to locate providers.,
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Oracle Corporation (http://www.oracle.com).
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This product includes software, SLF4J LOG4J-12 Binding, developed
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javassist-3.22.0-CR2.jar

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aopalliance-repackaged-2.5.0-b42.jar

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hk2-api-2.5.0-b42.jar
hk2-locator-2.5.0-b42.jar
hk2-utils-2.5.0-b42.jar
osgi-resource-locator-1.0.1.jar

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JSON for Modern C++

Vendor: Niels Lohmann

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Vendor: Mike Samuel

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```

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junixsocket

Vendor: NewsClub, Christian Kohlschütter

```
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Unix Domain Sockets for Java + RMI-over-AF_UNIX.
```

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See https://github.com/kohlschutter/junixsocket for more information.
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Vendor: Apache

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From strings/apr_fnmatch.c, include/apr_fnmatch.h, misc/unix/getopt.c,
file_io/unix/mktemp.c, strings/apr_strings.c:

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:


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From strings/apr_strnatcmp.c, include/apr_strings.h:


  strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
```

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From strings/apr_snprintf.c:

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 * ----------------------------------------------------------------------------
 */
```

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```
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   is an adapted version of "OrekitMessagesTest" test class for the Orekit
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 - The "org.apache.commons.math3.analysis.interpolation.HermiteInterpolator"
   has been imported from the Orekit space flight dynamics library.

==

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The initial code for shuffling an array (originally in class
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a method in class "org.apache.commons.math3.util.MathArrays") was
inspired from the algorithm description provided in
"Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999).
The textbook (containing a proof that the shuffle is uniformly random) is
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slf4j-api 1.7.26

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projectlombok 1.18.2

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Simple Logging Facade for Java (SLF4J)

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If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under

this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.