

Oracle  
**Primavera**  
**P6 EPPM Licensing Information User Manual**

**Version 22**  
December 2022

**ORACLE®**



# Contents

---

<b>Introduction .....</b>	<b>5</b>
<b>Licensed Products, Restricted Use Licenses, and Prerequisite Products .....</b>	<b>5</b>
Primavera P6 Enterprise Project Portfolio Management .....	5
Primavera P6 Enterprise Project Portfolio Management Cloud Service .....	7
Primavera P6 Enterprise Project Portfolio Management United Kingdom Government Cloud Service .....	8
Primavera P6 Enterprise Project Portfolio Management Web Services .....	8
Primavera P6 Enterprise Project Portfolio Management Web Services Cloud Service .....	9
Primavera P6 Progress Reporter .....	9
Primavera P6 Progress Reporter Cloud Service .....	10
Primavera P6 Standard Project Portfolio Management Cloud Service .....	10
Primavera Virtual Desktop Cloud Service .....	10
<b>Third Party Notices and/or Licenses .....</b>	<b>11</b>
Bootstrap .....	11
iCal4j .....	11
Guava .....	11
jcl-over-slf4j .....	18
JIDE Ultimate Suite .....	20
jQuery .....	20
JSON in Java .....	21
log4j-api .....	22
log4j-1.2-api .....	23
log4j-core .....	24
log4j-web .....	24
POI .....	26
Sentry Spelling Checker .....	38
slf4j-api .....	38
slf4j-log4j12 .....	39
spring-aop .....	41
spring-beans .....	44
spring-context .....	45
spring-core .....	47
spring-jdbc .....	47
spring-tx .....	50
spring-web .....	53
spring-webmvc .....	56
Apache Software License, Version 2.0 .....	62
GNU General Public License (GPL), Version 2 .....	65

Copyright..... 70

# Introduction

---

This Licensing Information document is a part of the product or program documentation under the terms of your Oracle license agreement and is intended to help you understand the program editions, entitlements, restrictions, prerequisites, special license rights, and/or separately licensed third party technology terms associated with the Oracle software program(s) covered by this document (the “Program(s)”). Entitled or restricted use products or components identified in this document that are not provided with the particular Program may be obtained from the Oracle Software Delivery Cloud website (<https://edelivery.oracle.com>) or from media Oracle may provide. If you have a question about your license rights and obligations, please contact your Oracle sales representative, review the information provided in Oracle's Software Investment Guide (<http://www.oracle.com/us/corporate/pricing/software-investment-guide/index.html>), and/or contact the applicable Oracle License Management Services representative listed on <http://www.oracle.com/us/corporate/license-management-services/index.html>.

## Licensed Products, Restricted Use Licenses, and Prerequisite Products

---

Certain Oracle licensed products require valid licenses for other Oracle products; licenses for these other Oracle products are included with your core license. Included licenses give you the rights to functionality limited to what is needed for your core licensed product; these are referred to as Restricted Use Licenses. In addition, some products require that you install other Oracle products; these are referred to as Prerequisite Products. The following topics identify what technologies are included within each core product license and also any other products you need to install in order to fully use the core product. Please see you Oracle Sales Representative for details.

---

Note: As part of any Cloud Service, Oracle may, at its discretion, compile statistical and other information related to your use of the Service and share such information and subsequent analysis with you.

---

### Primavera P6 Enterprise Project Portfolio Management

#### Restricted Use Licenses

The following restricted use licenses are included with your Oracle Primavera P6 Enterprise Project Portfolio Management license:

- ▶ WebLogic Server Standard Edition: only allowed to run in WebLogic Server Standard Edition instance. No other web applications may be deployed in this instance of WebLogic Server Standard Edition. Restricted to only WebLogic Server Standard Edition features, not the WebLogic Server Enterprise Edition features or WebLogic Suite features. This does NOT include the use of clustering, coherence or EJBs. For example, if a customer wishes to cluster their Primavera P6 Enterprise Project Portfolio Management instance, that would trigger a full-use license of WebLogic Server Enterprise Edition (or WebLogic Suite for Oracle Applications).
- ▶ JRockit JVM: only used for Primavera P6 Enterprise Project Portfolio Management servers. This is a runtime license that does not allow customers to utilize JRockit JVM for other applications or instances. For users who change or create new workflows using web services and events from Primavera applications, Named User Plus licenses are recommended for Unified Business Process Management Suite (or Unified Business Process Management Suite for Oracle Applications), SOA Suite for Oracle Middleware (or SOA Suite for Oracle Middleware for Oracle Applications), and WebLogic Suite (or WebLogic Suite for Oracle Applications). There is no minimum Named User Plus requirement for the recommended products above.
- ▶ WebCenter Content: only valid for workspaces or folders that are built from Primavera P6 Enterprise Project Portfolio Management. Only valid for repositories that store Primavera P6 Enterprise Project Portfolio Management documents, artifacts and work products. Creating any repositories, folders, workspaces, etc. manually outside of Primavera applications will trigger full-use. Only licensed Primavera application users can access the repository. For example, creating a new departmental workspace or folder would trigger a full-use license.
- ▶ Application Development Framework. This does not grant permission to customers to build, deploy or resell Application Development Framework user interface components or applications.
- ▶ Oracle HTTP Server: used for access outside corporate firewall and single sign-on (SSO). May not be used for any purposes outside of those requirements.
- ▶ EclipseLink: used only for Primavera P6 Enterprise Project Portfolio Management persistence. Run-time only and may not be used to build any other applications.
- ▶ Unified Business Process Management Suite and its prerequisites (SOA Suite for Oracle Middleware and WebLogic Suite) for licensed users of the Primavera application who are consuming/participating in the Primavera workflows (workflows within Primavera applications or integrating Primavera applications with Oracle applications) or forms. Any users who need to change or create new workflows will need a full-use license of Unified Business Process Management Suite (or Unified Business Process Management Suite for Oracle Applications) and its prerequisite products. There is no minimum Named User requirement for full use licenses.
- ▶ Web Center: only for portals built using Primavera portlets. Not valid for adding non-Primavera portals, workspaces, etc. For example, a user who creates additional organizational or departmental portals would trigger full-use license of Web center. Additionally, attempts to modify Primavera portals would likewise trigger full-use license.
- ▶ Primavera Gateway: for the exclusive use of integrating Primavera P6 Enterprise Project Portfolio Management with other Primavera applications.

- ▶ Oracle Analytics Publisher (formerly Business Intelligence Publisher): valid for users to schedule/process/run reports within the Primavera application. Any users who need to customize or create new reports will need a full-use license of Oracle Analytics Publisher (or Oracle Analytics Publisher for Oracle Applications). There is no minimum named user requirement for Oracle Analytics Publisher (formerly Business Intelligence Publisher) for Primavera applications.
- ▶ Oracle Web Services Manager (OWSM) for the exclusive use of the protection of Primavera Web Services.
- ▶ Oracle Entitlement Server Basic.
- ▶ The embedded OutsideIn component should only be used in the scope of the Primavera P6 Enterprise Project Portfolio Management application and cannot be used to process documents or data outside of that application.
- ▶ Oracle's Java Platform Standard Edition (Java SE) is only for use in running Primavera P6 Enterprise Project Portfolio Management.

### Notes

- ▶ For users who change or create new workflows using web services and events from Primavera applications, Named User Plus licenses are recommended for Unified Business Process Management Suite (or Unified Business Process Management Suite for Oracle Applications), SOA Suite for Oracle Middleware (or SOA Suite for Oracle Middleware for Oracle Applications), and WebLogic Suite (or WebLogic Suite for Oracle Applications). There is no minimum Named User Plus requirement for the recommended products above.
- ▶ Developers and/or users (i) who are not already licensed for the Primavera P6 Enterprise Project Portfolio Management program and (ii) who access (including through Access Points) applications, must be licensed for the Primavera P6 Enterprise Project Portfolio Management Web Services program. "Access Points" includes, but is not limited to, third party, Oracle or custom versions of the following: interfaces, API's, web services and database links.
- ▶ Other included components: Primavera P6 Professional Project Management, Primavera P6 Enterprise Project Portfolio Management Web Services, Primavera P6 Team Member Web, Primavera Team Member for iOS, Primavera Team Member for Android, and Email Statusing.

## Primavera P6 Enterprise Project Portfolio Management Cloud Service

### Prerequisite Products

None.

### Note

Developers and/or users (i) who are not already licensed for the Primavera P6 Enterprise Project Portfolio Management Cloud Service program OR Primavera P6 Standard Project Portfolio Management Cloud Service and (ii) who access applications, must be licensed for the Primavera P6 Enterprise Project Portfolio Management Web Services Cloud Service program.

## Primavera P6 Enterprise Project Portfolio Management United Kingdom Government Cloud Service

### Prerequisite Products

For the purposes of the following programs: Primavera P6 Enterprise Project Portfolio Management United Kingdom Government Cloud Service and Primavera P6 Enterprise Project Portfolio Management Web Services Cloud Service, developers and/or users (i) who are not already licensed for the Primavera P6 Enterprise Project Portfolio Management United Kingdom Government Cloud Service program and (ii) who access applications, must be licensed for the Primavera P6 Enterprise Project Portfolio Management Web Services Cloud Service program.

## Primavera P6 Enterprise Project Portfolio Management Web Services

### Restricted Use Licenses

The following restricted use licenses are included with your Oracle Primavera P6 Enterprise Project Portfolio Management Web Services license:

- ▶ **WebLogic Server Standard Edition:** only allowed to run in WebLogic Server Standard Edition instance. No other web applications may be deployed in this instance of WebLogic Server Standard Edition. Restricted to only WebLogic Server Standard Edition features, not the WebLogic Server Enterprise Edition features or WebLogic Suite features. This does NOT include the use of clustering, coherence or EJBs. For example, if a customer wishes to cluster their Primavera P6 Web Services instance, that would trigger a full-use license of WebLogic Server Enterprise Edition (or WebLogic Suite for Oracle Applications).
- ▶ **WebCenter Content:** only valid for workspaces or folders that are built from Primavera Web Services. Only valid for repositories that store Primavera Web Services documents, artifacts and work products. Creating any repositories, folders, workspaces, etc. manually outside of Primavera applications will trigger full-use. Only licensed Primavera application users can access the repository. For example, creating a new departmental workspace or folder would trigger a full-use license.
- ▶ **Oracle Web Services Manager (OWSM)** for the exclusive use of the protection of Primavera Web Services.
- ▶ **Oracle Entitlement Server Basic.**
- ▶ **Oracle's Java Platform Standard Edition (Java SE)** is only for use in running Primavera P6 Enterprise Project Portfolio Management Web Services.

### Prerequisite Products

Install the following additional Oracle products to use Primavera P6 Enterprise Project Portfolio Management Web Services:

- ▶ Primavera P6 Enterprise Project Portfolio Management

### Notes

- ▶ Other included components: P6 Web Services and Events, P6 Java APIs, and P6 e-mail statusing service.



- ▶ Developers and/or users (i) who are not already licensed for the Primavera P6 Enterprise Project Portfolio Management program and (ii) who access (including through Access Points) applications, must be licensed for the Primavera P6 Enterprise Project Portfolio Management Web Services program. “Access Points” includes, but is not limited to, third party, Oracle or custom versions of the following: interfaces, API's, web services and database links.

## Primavera P6 Enterprise Project Portfolio Management Web Services Cloud Service

### Prerequisite Products

- ▶ Primavera P6 Enterprise Project Portfolio Management Cloud Service

or

- ▶ Primavera P6 Enterprise Project Portfolio Management United Kingdom Government Cloud Service

## Primavera P6 Progress Reporter

### Restricted Use Licenses

The following restricted use licenses are included with your Oracle Primavera P6 Enterprise Project Portfolio Management license:

- ▶ WebLogic Server Standard Edition: only allowed to run in WebLogic Server Standard Edition instance. No other web applications may be deployed in this instance of WebLogic Server Standard Edition. Restricted to only WebLogic Server Standard Edition features, not the WebLogic Server Enterprise Edition features or WebLogic Suite features. This does NOT include the use of clustering, coherence or EJBs. For example, if a customer wishes to cluster their Primavera P6 Progress Reporter instance, that would trigger a full-use license of WebLogic Server Enterprise Edition (or WebLogic Suite for Oracle Applications).
- ▶ JRockit JVM: only used for Primavera P6 Progress Reporter servers. This is a runtime license that does not allow customers to utilize JRockit JVM for other applications or instances.
- ▶ Application Development Framework: This does not grant permission to customers to build, deploy or resell Application Development Framework user interface components or applications.
- ▶ Oracle HTTP Server: used only for access outside corporate firewall and single sign-on (SSO). May not be used for any purposes outside of those requirements.
- ▶ EclipseLink: used only for Primavera P6 Progress Reporter persistence. Run-time only and may not be used to build any other applications.
- ▶ WebCenter Content: only valid for workspaces or folders that are built from Primavera P6 Progress Reporter. Only valid for repositories that store Primavera P6 Progress Reporter documents, artifacts and work products. Creating any repositories, folders, workspaces, etc. manually outside of Primavera applications will trigger full-use. Only licensed Primavera application users can access the repository. For example, creating a new departmental workspace or folder would trigger a full-use license.

- ▶ Oracle Web Services Manager (OWSM) for the exclusive use of the protection of Primavera Web Services.
- ▶ Oracle Entitlement Server Basic
- ▶ Oracle's Java Platform Standard Edition (Java SE) is only for use in running Primavera P6 Progress Reporter.

### **Prerequisite Products**

Install the following additional Oracle products to use Primavera P6 Progress Reporter:

- ▶ Primavera P6 Enterprise Project Portfolio Management

### **Notes**

- ▶ Other included components: Primavera P6 Team Member Web, Primavera Team Member for iOS, Primavera Team Member for Android, and Email Statusing.

## **Primavera P6 Progress Reporter Cloud Service**

### **Prerequisite Products**

At least one of the following:

- ▶ Primavera P6 Enterprise Project Portfolio Management Cloud Service
- ▶ Primavera P6 Standard Project Portfolio Management Cloud Service

## **Primavera P6 Standard Project Portfolio Management Cloud Service**

### **Prerequisite Products**

None.

### **Note**

Developers and/or users (i) who are not already licensed for the Primavera P6 Enterprise Project Portfolio Management Cloud Service program OR Primavera P6 Standard Project Portfolio Management Cloud Service and (ii) who access applications, must be licensed for the Primavera P6 Enterprise Project Portfolio Management Web Services Cloud Service program.

## **Primavera Virtual Desktop Cloud Service**

### **Prerequisite Product**

Primavera P6 Enterprise Project Portfolio Management Cloud Service

---

## Third Party Notices and/or Licenses

---

Required notices for open source and commercial software products or components distributed in P6 EPPM are identified below, along with the applicable licensing information. Additional notices and/or licenses may be found in the included documentation or readme files of the individual third party open source software.

### Bootstrap

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

### iCal4j

Copyright © 2011, Ben Fortuna All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- ▶ Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- ▶ Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- ▶ Neither the name of Ben Fortuna nor the names of any other contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. "

### Guava

Copyright (C) 2020 The Guava Authors

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

=====

+--- 4th party: com.google.guava:failureaccess

Copyright (C) 2018 The Guava Authors

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software  
distributed under the License is distributed on an "AS IS" BASIS,  
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
See the License for the specific language governing permissions and  
limitations under the License.

< Apache License Version 2.0 >

=====

+--- 4th party: com.google.guava:listenablefuture

Copyright (C) 2018 The Guava Authors

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software  
distributed under the License is distributed on an "AS IS" BASIS,  
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.

See the License for the specific language governing permissions and limitations under the License.

< Apache License Version 2.0 >

=====

+--- 4th party: com.google.code.findbugs:jsr305

The JSR-305 reference implementation (lib/jsr305.jar) is distributed under the terms of the New BSD license:

<http://www.opensource.org/licenses/bsd-license.php>

See the JSR-305 home page for more information:

<http://code.google.com/p/jsr-305/>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

=====  
+--- 4th party: jcip-annotations

Copyright (c) 2005, Brian Goetz and Tim Peierls

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

=====  
+--- 4th party: com.google.errorprone:error\_prone\_annotations

Copyright 2015 The Error Prone Authors.

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software  
distributed under the License is distributed on an "AS IS" BASIS,  
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
See the License for the specific language governing permissions and  
limitations under the License.

< Apache License Version 2.0 >

=====  
+--- 4th party: com.google.j2objc:j2objc-annotations

Google Inc.  
Daniel Connelly

Copyright 2012 Google Inc. All Rights Reserved.

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

< Apache License Version 2.0 >

=====  
==

+--- 4th party: org.checkerframework:checker-qual

Copyright 2004-present by the Checker Framework developers

MIT License:

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER



LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,  
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN  
THE SOFTWARE.

=====  
==

+--- 4th party: org.codehaus.mojo:animal-sniffer-annotations

MIT License:

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2009 codehaus.org.

=====  
==

## jcl-over-slf4j

Top Level Component : jcl-over-slf4j

-----

Top Level Component License : Apache License

-----

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

Top Level Component Copyright:

-----

/\*

\* Copyright 2001-2004 The Apache Software Foundation.

\*

\* Licensed under the Apache License, Version 2.0 (the "License");

\* you may not use this file except in compliance with the License.

\* You may obtain a copy of the License at

\*

\* <http://www.apache.org/licenses/LICENSE-2.0>

\*

\* Unless required by applicable law or agreed to in writing, software

\* distributed under the License is distributed on an "AS IS" BASIS,

\* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.

\* See the License for the specific language governing permissions and

\* limitations under the License.

\*/

=====  
=====

4th Party Component #1      slf4j-api

-----  
4th Party Component #1      License : MIT  
-----

The MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

-----  
4th Party Component #1      CopyRight Notice:  
-----

Copyright (c) 2004-2022 QOS.ch Sarl (Switzerland)  
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish,

distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

## JIDE Ultimate Suite

Copyright 2002-2019 JIDE Software Inc. All rights reserved.

## jQuery

Copyright JS Foundation and other contributors, <https://js.foundation/>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

external/sizzle

Copyright JS Foundation and other contributors, <https://js.foundation/>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/jquery/sizzle>

The following license applies to all parts of this software except as documented below:

====

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

====

All files located in the `node_modules` and external directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

## JSON in Java

Copyright (c) 2002 JSON.org

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,

OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE

SOFTWARE.

## log4j-api

org.apache.logging.log4j log4j-api

COPYRIGHT:

Apache Log4j

Copyright 1999-2021 Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (<http://www.apache.org/>).

ResolverUtil.java

Copyright 2005-2006 Tim Fennell

Dumbster SMTP test server

Copyright 2004 Jason Paul Kitchen

TypeUtil.java

Copyright 2002-2012 Ramnivas Laddad, Juergen Hoeller, Chris Beams

picocli (<http://picocli.info>)

Copyright 2017 Remko Popma

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

## log4j-1.2-api

Top Level Component Name : log4j-1.2-api

Dependency Component Name : org.apache.logging.log4j » log4j-api

Top Level Component License and Dependency Component License:

Apache License

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

Top Level Component and dependency Copyright:

Apache Log4j

Copyright 1999-2021 Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (<http://www.apache.org/>).

ResolverUtil.java

Copyright 2005-2006 Tim Fennell

Dumbster SMTP test server

Copyright 2004 Jason Paul Kitchen

TypeUtil.java

Copyright 2002-2012 Ramnivas Laddad, Juergen Hoeller, Chris Beams

picocli (<http://picocli.info>)

Copyright 2017 Remko Popma

----- Fourth Party dependencies -----

Dependency: org.apache.logging.log4j:log4j-api:

## log4j-core

org.apache.logging.log4j log4j-core

COPYRIGHT:

Apache Log4j

Copyright 1999-2021 Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<http://www.apache.org/>).

ResolverUtil.java

Copyright 2005-2006 Tim Fennell

Dumbster SMTP test server

Copyright 2004 Jason Paul Kitchen

TypeUtil.java

Copyright 2002-2012 Ramnivas Laddad, Juergen Hoeller, Chris Beams

picocli (<http://picocli.info>)

Copyright 2017 Remko Popma

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

## log4j-web

Apache Log4j

Copyright 1999-2021 Apache Software Foundation

This product includes software developed at



The Apache Software Foundation (<http://www.apache.org/>).

ResolverUtil.java

Copyright 2005-2006 Tim Fennell

Dumbster SMTP test server

Copyright 2004 Jason Paul Kitchen

TypeUtil.java

Copyright 2002-2012 Ramnivas Laddad, Juergen Hoeller, Chris Beams

picocli (<http://picocli.info>)

Copyright 2017 Remko Popma

-----  
----- Copyright info from component source file -----

/\*

\* Licensed to the Apache Software Foundation (ASF) under one or more  
\* contributor license agreements. See the NOTICE file distributed with  
\* this work for additional information regarding copyright ownership.  
\* The ASF licenses this file to You under the Apache license, Version 2.0  
\* (the "License"); you may not use this file except in compliance with  
\* the License. You may obtain a copy of the License at

\*

\* <http://www.apache.org/licenses/LICENSE-2.0>

\*

\* Unless required by applicable law or agreed to in writing, software  
\* distributed under the License is distributed on an "AS IS" BASIS,  
\* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
\* See the license for the specific language governing permissions and  
\* limitations under the license.

\*/

-----  
4th party dependencies for this component:

org.apache.logging.log4j:log4j-api

org.apache.logging.log4j:log4j-core

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

## POI

-----NOTICE-----

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.

You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software  
distributed under the License is distributed on an "AS IS" BASIS,  
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
See the License for the specific language governing permissions and  
limitations under the License.

-----LICENSE-----

Apache POI release 4.1.2 is available under the Apache License, Version 2.0.

All the release artifacts that constitute POI are available under the same  
Apache License 2.0, with the following exceptions:

Curves API 1.06: BSD-3-Clause license

=====

This is the list of third party artifacts in the distribution and their  
license terms

Dependency

License

=====

=====

curvesapi-1.06.jar

BSD-3-Clause license

xmlbeans-3.1.0.jar

Apache 2.0

poi-examples-4.1.2.jar	Apache 2.0
poi-excelant-4.1.2.jar	Apache 2.0
poi-ooxml-schemas-4.1.2.jar	Apache 2.0
poi-ooxml-4.1.2.jar	Apache 2.0
poi-scratchpad-4.1.2.jar	Apache 2.0
commons-codec-1.13.jar	Apache 2.0
commons-collections4-4.4.jar	Apache 2.0
commons-compress-1.19.jar	Apache 2.0
commons-logging-1.2.jar	Apache 2.0
commons-math3-3.6.1.jar	Apache 2.0
log4j-2.9.1 jars	Apache 2.0
SparseBitSet-1.2.jar	Apache 2.0

=====

We go over the copyright notices of the artifacts in this document.

But first, we go over the details of the 4 licences governing the above artifacts.

=====

This is the text of the Apache 2.0 license:

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

=====

For curvesapi

This is the text of the BSD-3-Clause License

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2005, Graph Builder  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

-Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

-Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

-Neither the name of Graph Builder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR

SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER

CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,

OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE

OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

=====

Now we go over the copyright notices of each artifact in the POI 4.1.2 release distribution.

POI (the main artifact)

poi-4.1.2.jar

Apache POI

Copyright 2003-2019 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (<https://www.apache.org/>).

This product contains parts that were originally based on software from BEA.

Copyright (c) 2000-2003, BEA Systems, (dead link),

which was acquired by Oracle Corporation in 2008.

This product contains W3C XML Schema documents. Copyright 2001-2003 (c) World Wide Web Consortium (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University)

This product contains the chunks\_parse\_cmds.tbl file from the vsdump program. Copyright (C) 2006-2007 Valek Filippov (frob@df.ru)

This product contains parts of the eID Applet project and .

Copyright (c) 2009-2014

FedICT (federal ICT department of Belgium), e-Contract.be BVBA (<https://www.e-contract.be>), Bart Hanssens from FedICT

=====

ExcelAnt - Ant Tasks for Validating Excel Spreadsheets

poi-excelant-4.1.2.jar

Apache POI

Copyright 2003-2019 The Apache Software Foundation

This product includes software developed at The Apache Software Foundation (<https://www.apache.org/>).

This product contains parts that were originally based on software from BEA. Copyright (c) 2000-2003, BEA Systems, (dead link), which was acquired by Oracle Corporation in 2008.

This product contains W3C XML Schema documents. Copyright 2001-2003 (c) World Wide Web Consortium (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University)

This product contains the chunks\_parse\_cmds.tbl file from the vsdump program.  
Copyright (C) 2006-2007 Valek Filippov (frob@df.ru)

This product contains parts of the eID Applet project  
and .

Copyright (c) 2009-2014

FedICT (federal ICT department of Belgium), e-Contract.be BVBA (<https://www.e-contract.be>),  
Bart Hanssens from FedICT

=====

=====

poi-ooxml-schemas-4.1.2.jar

Required dependency of ooxml-4.1.2.jar

Apache POI

Copyright 2003-2019 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<https://www.apache.org/>).

This product contains parts that were originally based on software from BEA.  
Copyright (c) 2000-2003, BEA Systems, (dead link),  
which was acquired by Oracle Corporation in 2008.

This product contains W3C XML Schema documents. Copyright 2001-2003 (c) World Wide Web Consortium (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University)

This product contains the chunks\_parse\_cmds.tbl file from the vsdump program. Copyright (C) 2006-2007 Valek Filippov (frob@df.ru)

This product contains parts of the eID Applet project and .

Copyright (c) 2009-2014

FedICT (federal ICT department of Belgium), e-Contract.be BVBA (<https://www.e-contract.be>), Bart Hanssens from FedICT

=====

A required dependency of POI.

poi-scratchpad-4.1.2.jar

Apache POI

Copyright 2003-2019 The Apache Software Foundation

This product includes software developed at The Apache Software Foundation (<https://www.apache.org/>).

This product contains parts that were originally based on software from BEA. Copyright (c) 2000-2003, BEA Systems, (dead link), which was acquired by Oracle Corporation in 2008.

This product contains W3C XML Schema documents. Copyright 2001-2003 (c)



World Wide Web Consortium (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University)

This product contains the chunks\_parse\_cmds.tbl file from the vsdump program.  
Copyright (C) 2006-2007 Valek Filippov (frob@df.ru)

This product contains parts of the eID Applet project  
and .

Copyright (c) 2009-2014

FedICT (federal ICT department of Belgium), e-Contract.be BVBA (<https://www.e-contract.be>),  
Bart Hanssens from FedICT

=====

Example programs that use the POI API

poi-examples-4.1.2.jar

Apache POI

Copyright 2003-2019 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<https://www.apache.org/>).

This product contains parts that were originally based on software from BEA.  
Copyright (c) 2000-2003, BEA Systems, (dead link),  
which was acquired by Oracle Corporation in 2008.

This product contains W3C XML Schema documents. Copyright 2001-2003 (c)  
World Wide Web Consortium (Massachusetts Institute of Technology, European  
Research Consortium for Informatics and Mathematics, Keio University)

This product contains the chunks\_parse\_cmds.tbl file from the vsdump program.

Copyright (C) 2006-2007 Valek Filippov (frob@df.ru)

This product contains parts of the eID Applet project  
and .

Copyright (c) 2009-2014

FedICT (federal ICT department of Belgium), e-Contract.be BVBA (<https://www.e-contract.be>),  
Bart Hanssens from FedICT

=====

XML Beans 3.1.0

This is used by POI to convert from Java object to XML and back.

=====

== NOTICE file corresponding to section 4(d) of the Apache License, ==  
== Version 2.0, in this case for the Apache XmlBeans distribution. ==

=====

This product includes software developed at  
The Apache Software Foundation (<http://www.apache.org/>).

Portions of this software were originally based on the following:

- software copyright (c) 2000-2003, BEA Systems, .

Aside from contributions to the Apache XMLBeans project, this  
software also includes:

- one or more source files from the Apache Xerces-J and Apache Axis

products, Copyright (c) 1999-2003 Apache Software Foundation

- W3C XML Schema documents Copyright 2001-2003 (c) World Wide Web Consortium (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University)

- resolver.jar from Apache Xml Commons project,  
Copyright (c) 2001-2003 Apache Software Foundation

=====

Apache Commons Codec 1.13

Apache Commons Codec  
Copyright 2002-2019 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<https://www.apache.org/>).

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)

=====

The content of package org.apache.commons.codec.language.bm has been translated from the original php source code available at <http://stevemorse.org/phoneticinfo.htm> with permission from the original authors.

Original source copyright:  
Copyright (c) 2008 Alexander Beider & Stephen P. Morse.

=====

Apache Commons Collections4 4.4

Apache Commons Collections

Copyright 2001-2019 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<http://www.apache.org/>).

=====

Apache Commons Compress 1.19

commons-compress-1.19.jar

Apache Commons Compress

Copyright 2002-2019 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<https://www.apache.org/>).

The files in the package org.apache.commons.compress.archivers.sevenz  
were derived from the LZMA SDK, version 9.20 (C/ and CPP/7zip/),  
which has been placed in the public domain:

"LZMA SDK is placed in the public domain." (<http://www.7-zip.org/sdk.html>)

=====

Commons Logging 1.2

commons-logging-1.2.jar

Apache Commons Logging

Copyright 2003-2014 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<http://www.apache.org/>).

=====

Commons Math 3.6.1

commons-math3-3.6.1.jar

Apache Commons Math

Copyright 2001-2016 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<http://www.apache.org/>).

This product includes software developed for Orekit by  
CS Systèmes d'Information (<http://www.c-s.fr/>)  
Copyright 2010-2012 CS Systèmes d'Information

=====

Log4j 2.9.1

There are multiple jars: log4j-api, log4j-core, log4j-web, etc.

The stated dependency version of log4j 1.2 is not acceptable for distribution,  
due to known vulnerabilities.

Apache Log4j API

Copyright 1999-2017 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<http://www.apache.org/>).

=====

SparseBitSet 1.2

This software is the work of Paladin Software International, Incorporated,  
based upon previous work done for and by Sun Microsystems, Inc.

=====

## Sentry Spelling Checker

The Sentry Spelling-Checker Engine Copyright © 1994-2003 Wintertree Software Inc.

## slf4j-api

Component Copyright info:

-----

/\*\*

\* Copyright (c) 2004-2011 QOS.ch

\* All rights reserved.

\*

\* Permission is hereby granted, free of charge, to any person obtaining  
\* a copy of this software and associated documentation files (the  
\* "Software"), to deal in the Software without restriction, including  
\* without limitation the rights to use, copy, modify, merge, publish,  
\* distribute, sublicense, and/or sell copies of the Software, and to  
\* permit persons to whom the Software is furnished to do so, subject to  
\* the following conditions:

\*

\* The above copyright notice and this permission notice shall be  
\* included in all copies or substantial portions of the Software.

\*

\* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,

\* EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF  
\* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND  
\* NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS  
BE  
\* LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION  
\* OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION  
\* WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

\*

\*/

-----

----- MIT License info -----

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

-----

no 4th party dependency for this component.

## slf4j-log4j12

Copyright (c) 2004-2017 QOS.ch

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Fourth Party Dependency :  
No fourth party dependency

Apache log4j  
Copyright 2010 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<http://www.apache.org/>).  
Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.



## spring-aop

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

=====

SPRING FRAMEWORK \${version} SUBCOMPONENTS:

Spring Framework \${version} includes a number of subcomponents with separate copyright notices and license terms. The product that includes this file does not necessarily use all the open source subcomponents referred to below. Your use of the source code for these subcomponents is subject to the terms and conditions of the following licenses.

>>> org.ow2.asm:asm, org.ow2.asm:asm-commons:

Copyright (c) 2000-2011 INRIA, France Telecom  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from

this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
"AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR  
PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS  
BE

LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR  
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF  
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF  
THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 1999-2009, OW2 Consortium

>>> cglib:cglib:

CGLIB is licensed under the Apache License, version 2.0, the text of which  
is included above.

>>> org.objenesis:objenesis:

Per the LICENSE file in the Objenesis ZIP distribution downloaded from  
<http://objenesis.org/download.html>, Objenesis is licensed under the  
Apache License, version 2.0, the text of which is included above.

Per the NOTICE file in the Objenesis ZIP distribution downloaded from  
<http://objenesis.org/download.html> and corresponding to section 4d of the

Apache License, Version 2.0, in this case for Objenesis:

Objenesis

Copyright 2006-2019 Joe Walnes, Henri Tremblay, Leonardo Mesquita

=====

To the extent any open source components are licensed under the EPL and/or other similar licenses that require the source code and/or modifications to source code to be made available (as would be noted above), you may obtain a copy of the source code corresponding to the binaries for such open source components and modifications thereto, if any, (the "Source Files"), by downloading the Source Files from <https://spring.io/projects>, Pivotal's website at <https://network.pivotal.io/open-source>, or by sending a request, with your name and address to: Pivotal Software, Inc., 875 Howard Street, 5th floor, San Francisco, CA 94103, Attention: General Counsel. All such requests should clearly specify: OPEN SOURCE FILES REQUEST, Attention General Counsel. Pivotal can mail a copy of the Source Files to you on a CD or equivalent physical medium.

This offer to obtain a copy of the Source Files is valid for three years from the date you acquired this Software product. Alternatively, the Source Files may accompany the Software.

-----

Spring Framework \${version}

Copyright (c) 2002-\${copyright} Pivotal, Inc.

This product is licensed to you under the Apache License, Version 2.0

(the "License"). You may not use this product except in compliance with the License.

This product may include a number of subcomponents with separate copyright notices and license terms. Your use of the source code for these subcomponents is subject to the terms and conditions of the subcomponent's license, as noted in the license.txt file.

=====

Recursive fourth party dependency:

=====

1. org.springframework » spring-beans

A) org.springframework » spring-core

a) org.springframework » spring-jcl

=====separator=====

2. org.springframework » spring-core

A) org.springframework » spring-jcl

=====END=====

## spring-beans

org.springframework:spring-beans

spring-beans has following 4th party dependencies:

org.springframework:spring-core

org.springframework:spring-jcl

All the above mentioned artifacts licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

Notice:

Spring Framework \${version}  
Copyright (c) 2002-\${copyright} Pivotal, Inc.

This product is licensed to you under the Apache License, Version 2.0 (the "License"). You may not use this product except in compliance with the License.

This product may include a number of subcomponents with separate copyright notices and license terms. Your use of the source code for these subcomponents is subject to the terms and conditions of the subcomponent's license, as noted in the license.txt file.

## spring-context

org.springframework:spring-context

spring-context has following 4th party dependencies:

org.springframework:spring-aop  
org.springframework:spring-beans  
org.springframework:spring-core  
org.springframework:spring-jcl  
org.springframework:spring-expression

All the above mentioned artifacts are licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

Notice:

Spring Framework \${version}  
Copyright (c) 2002-\${copyright} Pivotal, Inc.

This product is licensed to you under the Apache License, Version 2.0 (the "License"). You may not use this product except in compliance with the License.

This product may include a number of subcomponents with separate copyright notices and license terms. Your use of the source code for these subcomponents is subject to the terms and conditions of the subcomponent's license, as noted in the license.txt file.

=====

Recursive fourth party components:-

=====

1. org.springframework » spring-aop

A) org.springframework » spring-beans

a) org.springframework » spring-core

\*) org.springframework » spring-jcl

B) org.springframework » spring-core

a) org.springframework » spring-jcl

=====separator=====

2. org.springframework » spring-beans

A) org.springframework » spring-core

a) org.springframework » spring-jcl

=====separator=====

3. org.springframework » spring-core

A) org.springframework » spring-jcl

=====separator=====

4. org.springframework » spring-expression

A) org.springframework » spring-core

a) org.springframework » spring-jcl

=====END=====

## spring-core

org.springframework:spring-core

spring-core has following 4th party dependencies:

org.springframework:spring-jcl

All the above mentioned artifacts are licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

Notice:

Spring Framework \${version}

Copyright (c) 2002-\${copyright} Pivotal, Inc.

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

This product may include a number of subcomponents with separate copyright notices and license terms. Your use of the source code for these subcomponents is subject to the terms and conditions of the subcomponent's license, as noted in the license.txt file.

## spring-jdbc

Spring Framework

Copyright (c) 2002-2022 Pivotal, Inc.

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

=====

SPRING FRAMEWORK SUBCOMPONENTS:

Spring Framework includes a number of subcomponents with separate copyright notices and license terms. The product that includes this file does not necessarily use all the open source subcomponents referred to below. Your use of the source code for these subcomponents is subject to the terms and conditions of the following licenses.

>>> ASM (org.ow2.asm:asm, org.ow2.asm:asm-commons):

Copyright (c) 2000-2011 INRIA, France Telecom  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
"AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR  
PURPOSE



ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 1999-2009, OW2 Consortium

>>> CGLIB (cglib:cglib):

Per the LICENSE file in the CGLIB JAR distribution, CGLIB is licensed under the Apache License, version 2.0, the text of which is included above.

>>> Objenesis (org.objenesis:objenesis):

Per the LICENSE file in the Objenesis ZIP distribution downloaded from <http://objenesis.org/download.html>, Objenesis is licensed under the Apache License, version 2.0, the text of which is included above.

Per the NOTICE file in the Objenesis ZIP distribution downloaded from <http://objenesis.org/download.html> and corresponding to section 4d of the Apache License, Version 2.0, in this case for Objenesis:

Objenesis

Copyright 2006-2019 Joe Walnes, Henri Tremblay, Leonardo Mesquita

=====  
=====

To the extent any open source components are licensed under the EPL and/or other similar licenses that require the source code and/or modifications to source code to be made available (as would be noted above), you may obtain a copy of the source code corresponding to the binaries for such open source components and modifications thereto, if any, (the "Source Files"), by downloading the Source Files from <https://spring.io/projects>, Pivotal's website at <https://network.pivotal.io/open-source>, or by sending a request, with your name and address to: Pivotal Software, Inc., 875 Howard Street, 5th floor, San Francisco, CA 94103, Attention: General Counsel. All such requests should clearly specify: OPEN SOURCE FILES REQUEST, Attention General Counsel. Pivotal can mail a copy of the Source Files to you on a CD or equivalent physical medium.

This offer to obtain a copy of the Source Files is valid for three years from the date you acquired this Software product. Alternatively, the Source Files may accompany the Software.

## spring-tx

Top level component:

org.springframework:spring-tx

Dependencies:

org.springframework:spring-beans

org.springframework:spring-core

=====

Copyright (c) 2002-2022 Pivotal, Inc.

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

=====

SPRING FRAMEWORK SUBCOMPONENTS:

Spring Framework includes a number of subcomponents with separate copyright notices and license terms. The product that includes this file does not necessarily use all the open source subcomponents referred to below. Your use of the source code for these subcomponents is subject to the terms and conditions of the following licenses.

>>> org.ow2.asm:asm, org.ow2.asm:asm-commons:

Copyright (c) 2000-2011 INRIA, France Telecom  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 1999-2009, OW2 Consortium

>>> cglib:cglib:

CGLIB is licensed under the Apache License, version 2.0, the text of which is included above.

>>> org.objenesis:objenesis:

Objenesis is licensed under the Apache License, version 2.0, the text of which is included above.

Per the NOTICE file in the Objenesis ZIP distribution downloaded from <http://objenesis.org/download.html> and corresponding to section 4d of the Apache License, Version 2.0, in this case for Objenesis:

Objenesis

Copyright 2006-2019 Joe Walnes, Henri Tremblay, Leonardo Mesquita

=====  
=====

To the extent any open source components are licensed under the EPL and/or other similar licenses that require the source code and/or modifications to source code to be made available (as would be noted above), you may obtain a copy of the source code corresponding to the binaries for such open source components and modifications thereto, if any, (the "Source Files"), by downloading the Source Files from <https://spring.io/projects>, Pivotal's website at <https://network.pivotal.io/open-source>, or by sending a request, with your name and address to: Pivotal Software, Inc., 875 Howard Street, 5th floor, San Francisco, CA 94103, Attention: General Counsel. All such requests should clearly specify: OPEN SOURCE FILES REQUEST, Attention General Counsel. Pivotal can mail a copy of the Source Files to you on a CD or equivalent physical medium.

This offer to obtain a copy of the Source Files is valid for three years from the date you acquired this Software product. Alternatively, the Source Files may accompany the Software.

=====

## spring-web

org.springframework:spring-web

spring-web has following 4th party dependencies:

org.springframework:spring-beans

org.springframework:spring-core

org.springframework:spring-jcl

All the above mentioned artifacts are licensed under the Apache 2.0 License

=====

Spring Framework

Copyright (c) 2002-2022 Pivotal, Inc.

**Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

=====

#### SPRING FRAMEWORK 5.3.20 SUBCOMPONENTS:

Spring Framework 5.3.20 includes a number of subcomponents with separate copyright notices and license terms. The product that includes this file does not necessarily use all the open source subcomponents referred to below. Your use of the source code for these subcomponents is subject to the terms and conditions of the following licenses.

>>> ASM (org.ow2.asm:asm, org.ow2.asm:asm-commons):

Copyright (c) 2000-2011 INRIA, France Telecom  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
"AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR  
PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS  
BE

LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR  
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF  
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF  
THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 1999-2009, OW2 Consortium

>>> CGLIB (cglib:cglib):

Per the LICENSE file in the CGLIB JAR distribution,  
CGLIB is licensed under the Apache License, version 2.0, the text of which  
is included above.

>>> Objenesis (org.objenesis:objenesis):

Per the LICENSE file in the Objenesis ZIP distribution downloaded from  
<http://objenesis.org/download.html>, Objenesis is licensed under the  
Apache License, version 2.0, the text of which is included above.

Per the NOTICE file in the Objenesis ZIP distribution downloaded from  
<http://objenesis.org/download.html> and corresponding to section 4d of the

Apache License, Version 2.0, in this case for Objenesis:

Objenesis

Copyright 2006-2019 Joe Walnes, Henri Tremblay, Leonardo Mesquita

=====  
=====

To the extent any open source components are licensed under the EPL and/or other similar licenses that require the source code and/or modifications to source code to be made available (as would be noted above), you may obtain a copy of the source code corresponding to the binaries for such open source components and modifications thereto, if any, (the "Source Files"), by downloading the Source Files from <https://spring.io/projects>, Pivotal's website at <https://network.pivotal.io/open-source>, or by sending a request, with your name and address to: Pivotal Software, Inc., 875 Howard Street, 5th floor, San Francisco, CA 94103, Attention: General Counsel. All such requests should clearly specify: OPEN SOURCE FILES REQUEST, Attention General Counsel. Pivotal can mail a copy of the Source Files to you on a CD or equivalent physical medium.

This offer to obtain a copy of the Source Files is valid for three years from the date you acquired this Software product. Alternatively, the Source Files may accompany the Software.

## spring-webmvc

org.springframework:spring-webmvc

Licensed under the **Apache Software License, Version 2.0** (on page 62) (the "License"); you may not use this file except in compliance with the License.

=====

SPRING FRAMEWORK SUBCOMPONENTS:



Spring Framework includes a number of subcomponents with separate copyright notices and license terms. The product that includes this file does not necessarily use all the open source subcomponents referred to below. Your use of the source code for these subcomponents is subject to the terms and conditions of the following licenses.

>>> org.ow2.asm:asm, org.ow2.asm:asm-commons:

Copyright (c) 2000-2011 INRIA, France Telecom  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 1999-2009, OW2 Consortium

>>> cglib:cglib:

CGLIB is licensed under the Apache License, version 2.0, the text of which is included above.

>>> org.objenesis:objenesis:

Per the LICENSE file in the Objenesis ZIP distribution downloaded from <http://objenesis.org/download.html>, Objenesis is licensed under the Apache License, version 2.0, the text of which is included above.

Per the NOTICE file in the Objenesis ZIP distribution downloaded from <http://objenesis.org/download.html> and corresponding to section 4d of the Apache License, Version 2.0, in this case for Objenesis:

Objenesis

Copyright 2006-2019 Joe Walnes, Henri Tremblay, Leonardo Mesquita

=====  
=====

To the extent any open source components are licensed under the EPL and/or other similar licenses that require the source code and/or modifications to source code to be made available (as would be noted above), you may obtain a copy of the source code corresponding to the binaries for such open source components and modifications thereto, if any, (the "Source Files"), by downloading the Source Files from <https://spring.io/projects>, Pivotal's website at <https://network.pivotal.io/open-source>, or by sending a request, with your name and address to: Pivotal Software, Inc., 875 Howard Street, 5th floor, San Francisco, CA 94103, Attention: General Counsel. All such requests should clearly specify: OPEN SOURCE FILES REQUEST, Attention General Counsel. Pivotal can mail a copy of the Source Files to you on a CD or equivalent physical medium.

This offer to obtain a copy of the Source Files is valid for three years from the date you acquired this Software product. Alternatively, the Source Files may accompany the Software.

=====

Spring Framework \${version}  
Copyright (c) 2002-\${copyright} Pivotal, Inc.

This product is licensed to you under the Apache License, Version 2.0 (the "License"). You may not use this product except in compliance with the License.

This product may include a number of subcomponents with separate copyright notices and license terms. Your use of the source code for these subcomponents is subject to the terms and conditions of the subcomponent's license, as noted in the license.txt file.

=====

Recursive fourth party components:-

=====

- 1. org.springframework » spring-aop
- A) org.springframework » spring-beans
- a) org.springframework » spring-core
- \*) org.springframework » spring-jcl

=====

- B) org.springframework » spring-core
- a) org.springframework » spring-jcl

=====separator=====

- 2. org.springframework » spring-beans
- A) org.springframework » spring-core
- a) org.springframework » spring-jcl

=====separator=====

- 3. org.springframework » spring-context
- A) org.springframework » spring-aop
- a) org.springframework » spring-beans
- \*) org.springframework » spring-core
- \*) org.springframework » spring-jcl

- b) org.springframework » spring-core
- \*) org.springframework » spring-jcl

=====

- B) org.springframework » spring-beans
- a) org.springframework » spring-core
- \*) org.springframework » spring-jcl

- C) org.springframework » spring-core
- \*) org.springframework » spring-jcl

- D) org.springframework » spring-expression
- a) org.springframework » spring-core
- \*) org.springframework » spring-jcl

=====separator=====

- 4. org.springframework » spring-core
- A) org.springframework » spring-jcl

=====separator=====

- 5. org.springframework » spring-expression
- A) org.springframework » spring-core
- a) org.springframework » spring-jcl

=====separator=====

- 6. org.springframework » spring-web
- A) org.springframework » spring-beans
- a) org.springframework » spring-core
- \*) org.springframework » spring-jcl

- B) org.springframework » spring-core
- a) org.springframework » spring-jcl

=====END=====

## Apache Software License, Version 2.0

The following applies to all products licensed under the Apache 2.0 License:

You may not use the identified files except in compliance with the Apache License, Version 2.0 (the "License.") You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0>. A copy of the license is also reproduced below. Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache License  
Version 2.0, January 2004  
<http://www.apache.org/licenses/>

### TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

#### 1) Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

- 2) Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
- 3) Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
- 4) Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
  - a. You must give any other recipients of the Work or Derivative Works a copy of this License; and
  - b. You must cause any modified files to carry prominent notices stating that You changed the files; and
  - c. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

- d. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

- 5) Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
- 6) Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
- 7) Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
- 8) Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.



- 9) Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

## GNU General Public License (GPL), Version 2

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

### Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

#### TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program. You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice. This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

# Copyright

---

Oracle Primavera P6 EPPM Licensing Information User Manual

Copyright © 1999, 2022, Oracle and/or its affiliates.

Oracle®, Java, and MySQL are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

**U.S. GOVERNMENT END USERS:** Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software or hardware and documentation may provide access to or information on content, products and services from third-parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.