

Oracle® Communications
Cloud Native Automation Platform

Licensing Information User Manual

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Introduction

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Mike Farah	yq v4 4.49.2-1.el8	yq is a portable command-line YAML, JSON and XML processor.	For a copy of the license, see golang/github.com/mikefarah/yq/v4 4.49.2-1.el8 License .
QOS.ch	slf4j-api 2.0.17	API for SLF4J (The Simple Logging Facade for Java) which serves as a simple facade or abstraction for various logging frameworks, allowing the end user to plug in the desired logging framework at deployment time.	For a copy of the license, see slf4j-api 2.0.17 License .
QOS.ch	jul-to-slf4j 2.0.17	jul-to-slf4j includes a java.util.logging (jul) handler, namely SLF4JBridgeHandler, which routes all incoming jul records to the SLF4j API.	For a copy of the license, see jul-to-slf4j 2.0.17 License .

The Project Lombok Authors	Lombok 1.18.42	Project Lombok is a java library that automatically plugs into your editor and build tools, spicing up your java. Never write another getter or equals method again, with one annotation your class has a fully featured builder, automate your logging variables, and much more.	For a copy of the license, see Lombok 1.18.42 License .
Ansible, Inc.	Ansible 11.6.0	Ansible is an open-source automation platform that helps you control, configure, and manage IT systems from a few servers to entire data centers or cloud environments.	For a copy of the license, see Ansible 11.6.0 License .
Ben Manes	caffeine 3.2.0	A high performance caching library.	For a copy of the license, see caffeine 3.2.0 License .
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		versa when interacting with RESTful web services.	
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FasterXML L, LLC	Jackson Annotations 2.21.0	jackson-annotations provides annotations for jackson-databind for deserializing/serializing JSON to POJO and vice versa.	For a copy of the license, see jackson-annotations 2.21.0 License .
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Joshua Gerth	operator-framework-core 5.2.3	This SDK provides ease of development of Kubernetes operators in Java.	For a copy of the license, see operator-framework-core 5.2.3 License .
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MapStruct Authors	mapstruct-core 1.6.3	MapStruct is a Java annotation processor that generates code to map between Java bean types.	For a copy of the license, see mapstruct-core 1.6.3 License .
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Open Source	skopeo 1.14.5-7-el8	skopeo is a command line utility that performs various operations on container images and image repositories.	For a copy of the license, see skopeo 1.14.5-7-el8 License .
OpenAPI-Generator	openapi-generator 7.19.0	OpenAPI Generator is a powerful tool used in API development for generating code, documentation, and configuration from OpenAPI (formerly Swagger) specifications.	For a copy of the license, see openapi-generator 7.19.0 License .

Oracle	JavaScript Extension Toolkit (JET) 18.1.4	Web and Progressive Web App UI framework.	For a copy of the license, see npm/JavaScript Extension Toolkit (JET) 18.1.4 License .
Oracle and/or its affiliates	helidon-health 4.5.0	The helidon-health module provides health check functionality for Helidon SE and Helidon MP, allowing your application to expose a standardized health endpoint (typically /health).	For a copy of the license, see helidon-health 4.5.0 License .
Oracle and/or its affiliates	oci-java-sdk-core 3.80.2	This library provides the common building blocks that all the service-specific SDKs (like oci-java-sdk-objectstorage, oci-java-sdk-artifacts, etc.) rely on.	For a copy of the license, see oci-java-sdk-core 3.80.2 License .
Oracle and/or its affiliates	helidon-logging-jul 4.5.0	Helidon uses its own internal logging abstraction (io.helidon.common.HelidonLogger) that can be routed to different logging backends. The helidon-logging-jul module routes this logging to the standard Java Util Logging (JUL) framework.	For a copy of the license, see helidon-logging-jul 4.5.0 License .
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		health, which provides the infrastructure (like /health endpoints). Together, they offer a full-featured health check system.	
Oracle and/or its affiliates	helidon-scheduling 4.5.0	helidon-scheduling provides a way to execute tasks at specific intervals or on a schedule, offering both simple fixed-rate scheduling and more complex cron-based scheduling. It simplifies the process of creating scheduled jobs in Helidon applications by utilizing annotations like @Scheduled and @FixedRate. The scheduling functionality is based on the cron-utils library.	For a copy of the license, see helidon-scheduling 4.5.0 License .
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Oracle and/or its affiliates	oci-java-sdk-objectstorage 3.80.2	The oci-java-sdk-objectstorage module is the part of Oracle's official Java SDK that lets user interact with OCI's Object Storage service.	For a copy of the license, see oci-java-sdk-objectstorage 3.80.2 License .
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Oracle and/or its affiliates	helidon-integrations-cdi-eclipselink 4.5.0	helidon-integrations-cdi-eclipselink is part of Helidon integrations and its purpose is to let you use EclipseLink JPA seamlessly inside Helidon MP	For a copy of the license, see helidon-integrations-cdi-eclipselink 4.5.0 License .

		(MicroProfile) applications with CDI (Contexts and Dependency Injection).	
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SnakeYAML.org	SnakeYAML 2.4	YAML 1.1 parser and emitter for Java.	For a copy of the license, see SnakeYAML 2.4 License .
The Apache Software Foundation	Apache FreeMarker 2.3.34	Apache FreeMarker is a template engine: a Java library to generate text output (HTML web pages, e-mails, configuration files, source code, etc.) based on templates.	For a copy of the license, see FreeMarker 2.3.34 License .
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The Apache Software Foundation	Log4j-API 2.25.2	Log4j is a commonly used logging framework.	For a copy of the license, see Log4j-API 2.25.2 License .
The Apache Software Foundation	Commons Text 1.14.0	Apache Commons Text is a Java library that provides reusable components and utility functions for processing and manipulating text.	For a copy of the license, see Apache Commons Text 1.14.0 License .

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The Apache Software Foundation	httpcore5 5.4.1	Apache HttpComponents Core, or httpcore5, is a library of components that helps build HTTP-enabled services.	For a copy of the license, see apache.httpcomponents.core5/httpcore5 5.4.1 License .
The Apache Software Foundation	Commons IO 2.20.0	The Apache Commons IO library contains utility classes, stream implementations, file filters, file comparators, endian transformation classes.	For a copy of the license, see Apache commons-io 2.20.0 License .
The Kubernetes Authors	Helm 3.19.5	Helm is a tool for managing Charts. Charts are packages of pre-configured Kubernetes resources.	For a copy of the license, see Helm 3.19.5 License .
The Kubernetes Authors	kubectrl 1.35.0	Kubectrl is a command line tool for communicating with a	For a copy of the license, see kubectrl 1.35.0 License .

		Kubernetes cluster's control plane, using the Kubernetes API.	
The OpenTelemetry Authors	opentelemetry-exporter-logging 1.62.0	OpenTelemetry-exporter-logging" functionality allows you to take collected log data from an OpenTelemetry application and send it to a chosen backend system for storage and analysis, essentially acting as a bridge between your application's logs and your preferred observability platform, enabling you to monitor and troubleshoot your application using standardized log data across different tools and environments.	For a copy of the license, see opentelemetry-exporter-logging 1.62.0 License .
The OpenTelemetry Authors	opentelemetry-sdk 1.62.0	OpenTelemetry SDK is a reference implementation of the OpenTelemetry API. It implements the Logging API, Metrics API, Tracing API, Resource API, and the Context API.	For a copy of the license, see opentelemetry-sdk 1.62.0 License .
The OpenTelemetry Authors	opentelemetry-exporter-otlp 1.62.0	opentelemetry-exporter-otlp is a component within the OpenTelemetry framework that allows applications to export their collected telemetry data (traces, metrics, and logs) to a backend system using the OpenTelemetry Protocol (OTLP)	For a copy of the license, see opentelemetry-exporter-otlp 1.62.0 License .
The OpenTelemetry Authors	opentelemetry-semconv 1.37.0	opentelemetry-semconv is a helper library in the OpenTelemetry Java ecosystem that provides	For a copy of the license, see opentelemetry-semconv 1.37.0 License .

		strongly-typed constants for semantic conventions — the standard names and attribute keys that telemetry data should use.	
The OpenTelemetry Authors	opentelemetry-api 1.62.0	OpenTelemetry is used to instrument, generate, collect, and export telemetry data (metrics, logs, and traces) to analyze software performance and behavior.	For a copy of the license, see pypi/opentelemetry-api 1.62.0 License .
Fluxcd	flux2 2.8.0	Flux is a tool for keeping Kubernetes clusters in sync with sources of configuration (like Git repositories), and automating updates to configuration when there is new code to deploy.	For a copy of the license, see flux2 v2.8.0 License .
		TBC	
Envoy Gateway Authors	Envoy Gateway 1.8.1	Envoy Gateway is a Kubernetes-native API gateway project that uses Envoy Proxy as the data plane and the Kubernetes Gateway API as the primary configuration interface.	For a copy of the license, see Envoy Gateway v1.8.1 License .
Oracle and/or its affiliates	oci-java-sdk-common 3.75.0	oci-java-sdk-common is the core shared library used by all Oracle Cloud Infrastructure (OCI) Java SDK modules.	For a copy of the license, see oci-java-sdk-common 3.75.0 License .
Oracle and/or its affiliates	helidon-microprofile-tracing 4.5.0	Helidon MicroProfile (MP) tracing provides distributed tracing to monitor service workflows, performance, and operational issues using	For a copy of the license, see helidon-microprofile-tracing 4.5.0 License .

		OpenTracing or MicroProfile Telemetry APIs.	
Eclipse Foundation	jersey-common 3.1.11	jersey-common is a core infrastructure module of the Eclipse Jersey framework (the reference implementation of JAX-RS/Jakarta REST).	For a copy of the license, see jersey-common 3.1.11 License .
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File: orm-busy.trace.xz

Description: Database object access of a e-commerce web application during a busy daytime.

File: orm-night.trace.xz

Description: Database object access of a e-commerce web application during the night time.

File: web07.trace.xz

Description: Normalized access trace (HTTP requests) a product detail page in July 2013.

File: web12.trace.xz

Description: Normalized access trace (HTTP requests) on a product detail page in December 2013.

Format: The accessed objects comprise of a mixture of product inventory, availability per price and also customer data. Objects are keyed by type, id and a index (e.g. the 3rd price of a product). All data is normalized into numbers starting at 0 (or 1 for sub-ids) and then collapsed into a single integer consisting of,

- Bits 27-31: type
- Bits 9-26: id
- Bits 0-9: index

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expression-eval

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<http://proj4js.org/>

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<http://hammerjs.github.io/>

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Normalize.scss

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RequireJS i18n

<http://github.com/requirejs/i18n> for details

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select2.js

<https://github.com/select2/select2>

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<http://jqueryui.com>

Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js

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JS Signals <<http://millermedeiros.github.com/js-signals/>>

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RequireJS text

<http://github.com/requirejs/text>

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RequireJS

<http://github.com/jrburke/requirejs>

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Knockout JavaScript library

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Ramda
<https://github.com/ramda/ramda>

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JSON parsing library (nlohmann/json)

File: vendor/json/upstream/single_include/nlohmann/json.hpp (only for ICU4C)

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org.jvnet.mimepull:mimepull

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Source Code

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<https://github.com/eclipse-ee4j/metro-xmlstreambuffer>
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Third-party Content

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addressing.xml Version: 2004/10 (n/a)

License: W3C
Project: <https://www.w3.org/Submission/ws-addressing/>
Source: <http://schemas.xmlsoap.org/ws/2004/08/addressing/>

ant-launcher (1.10.2)

License: Apache-2.0 AND SAX-PD AND W3C
Project: <https://ant.apache.org/>
Source: <http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar>

Apache Ant (1.6)

License: Apache-1.1
Project: <https://ant.apache.org/>
Source: <https://repo1.maven.org/maven2/ant/ant/1.6/ant-1.6-sources.jar>

Apache Ant (1.10.2)

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commons-logging (1.1.2)

License: Apache-2.0
Project: <https://commons.apache.org/proper/commons-logging/>
Source: <http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar>

JUnit (4.12)

License: Eclipse Public License

maven-core (3.5.2)

License: Apache-2.0

maven-plugin-annotations (3.5.1)

License: Apache-2.0

Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>

Source: <https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations>

maven-plugin-api (3.5.2)

License: Apache-2.0

Project: <https://maven.apache.org/>

Source: <https://github.com/apache/maven/tree/master/maven-plugin-api>

maven-resolver-api (1.1.1)

License: Apache-2.0

maven-resolver-util (1.1.1)

License: Apache-2.0

maven-settings (3.5.2)

License: Apache-2.0

mex.xsd Version: 2004/09 (n/a)

License: Oasis Style

Project: <https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II>

Source: <http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd>

plexus-utils (3.1.0)

License: Apache- 2.0 or Apache- 1.1 or BSD or Public Domain or Indiana University Extreme! Lab Software License V1.1.1 (Apache 1.1 style)

relaxng-datatype (1.0)

License: New BSD license

stax2-api (4.1)

License: Pending

Project: <https://github.com/FasterXML/stax2-api>

Source: <http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar>

testng (6.14.2)

License: Apache-2.0 AND MIT

Project: <https://testng.org/doc/index.html>

Source: <https://github.com/cbeust/testng>

woodstox-core-asl (4.4.1)

License: Apache-2.0

woodstox-core-asl (5.1.0)

License: Pending

Project: <https://github.com/FasterXML/woodstox>

Source: <https://github.com/FasterXML/woodstox>

ws-addr.wsd (1.0)

License: W3C

Project: <https://www.w3.org/2005/08/addressing/>

Source: <https://www.w3.org/2006/03/addressing/ws-addr.xsd>

wsat.xsd Version: 2004/10 (n/a)

License: Oasis Style

Project: <http://schemas.xmlsoap.org/ws/2004/10/wsat/>

Source: <http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd>

wscoor.xsd (1.0)

License: OASIS Style

wscoor.xsd (1.1)

License: Oasis (Custom)

Project: <http://docs.oasis-open.org/ws-tx/wscoor/2006/06>

Source: <http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-schema-200701.xsd>

wsrn Version: 2005/02 (n/a)

License: Oasis (Custom)

Project: <http://schemas.xmlsoap.org/ws/2005/02/rm/>

Source:

<http://schemas.xmlsoap.org/ws/2005/02/rm/wsrn.xsd;%20http://schemas.xmlsoap.org/ws/2005/02/rm/wsrn-policy.xsd>

wsrn.xsd (1.2)

License: Oasis

wstx-wsat.xsd (1.1)

License: Oasis (Custom)

xmlsec (1.5.8)

License: Apache-2.0

Project: <http://santuario.apache.org/>

Source: <https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-sources.jar>

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Dependency: com.opencsv:opencsv:5.11.2
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Changes to original Implementation:

ADD methods:

Optional<IOException> getException()
to get the exception stored by ICSVWriter, AbstractCSVWriter or CSVWriter

void resetError()
to reset the exception stored by ICSVWriter, AbstractCSVWriter or CSVWriter

ADD Test-Cases:

getExceptionReturnsException()
getExceptionReturnsExceptionUsingPrintWriter()
resetException()
resetError()

to test the added methods

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Dependency: javax.xml.bind:jaxb-api:2.3.1
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@usebruno/filestore
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@usebruno/vm2
axios
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jakarta.ws.rs:jakarta.ws.rs-api

jakarta.annotation:jakarta.annotation-api

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
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```
package ), uintptr(unsafe.Pointer(_p1)), 0)
\tif e1 != 0 {
\tterr = errnoErr(e1)
\t}
\treturn
}
```

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```
func Sync() (err error) {
\t_, _, e1 := Syscall(0, 0, 0)
\tif e1 != 0 {
\t\treturn syscall.Errno(e1)
\t}
\treturn nil
}
```

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operator-framework 5.2.3 License

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=====
Fourth Party Dependencies :

*** io.javaoperatorsdk:operator-framework-core:jar ***

Same as above

=====

io.fabric8:kubernetes-client-api:jar
io.fabric8:kubernetes-client:jar
io.fabric8:kubernetes-model-admissionregistration:jar
io.fabric8:kubernetes-model-apiextensions:jar
io.fabric8:kubernetes-model-apps:jar
io.fabric8:kubernetes-model-autoscaling:jar
io.fabric8:kubernetes-model-batch:jar
io.fabric8:kubernetes-model-certificates:jar
io.fabric8:kubernetes-model-coordination:jar
io.fabric8:kubernetes-model-core:jar
io.fabric8:kubernetes-model-discovery:jar
io.fabric8:kubernetes-model-events:jar
io.fabric8:kubernetes-model-extensions:jar
io.fabric8:kubernetes-model-flowcontrol:jar
io.fabric8:kubernetes-model-gatewayapi:jar
io.fabric8:kubernetes-model-metrics:jar
io.fabric8:kubernetes-model-networking:jar
io.fabric8:kubernetes-model-node:jar
io.fabric8:kubernetes-model-policy:jar
io.fabric8:kubernetes-model-rbac:jar
io.fabric8:kubernetes-model-resource:jar
io.fabric8:kubernetes-model-scheduling:jar
io.fabric8:kubernetes-model-storageclass:jar

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org.yaml:snakeyaml:jar
***
```

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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***
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***
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=====

Fourth Party Dependencies :

*** io.javaoperatorsdk:operator-framework-core:jar ***

Same as above

=====

io.fabric8:kubernetes-client-api:jar
io.fabric8:kubernetes-client:jar
io.fabric8:kubernetes-model-admissionregistration:jar
io.fabric8:kubernetes-model-apiextensions:jar
io.fabric8:kubernetes-model-apps:jar
io.fabric8:kubernetes-model-autoscaling:jar
io.fabric8:kubernetes-model-batch:jar
io.fabric8:kubernetes-model-certificates:jar
io.fabric8:kubernetes-model-coordination:jar
io.fabric8:kubernetes-model-core:jar
io.fabric8:kubernetes-model-discovery:jar
io.fabric8:kubernetes-model-events:jar
io.fabric8:kubernetes-model-extensions:jar
io.fabric8:kubernetes-model-flowcontrol:jar
io.fabric8:kubernetes-model-gatewayapi:jar
io.fabric8:kubernetes-model-metrics:jar
io.fabric8:kubernetes-model-networking:jar
io.fabric8:kubernetes-model-node:jar
io.fabric8:kubernetes-model-policy:jar
io.fabric8:kubernetes-model-rbac:jar
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org.snakeyaml:snakeyaml-engine:jar
org.yaml:snakeyaml:jar

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com.fasterxml.jackson.core:jackson-databind
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```
package), uintptr(unsafe.Pointer(_p1)), 0)
\tif e1 != 0 {
\t\tterr = errnoErr(e1)
\t}
\treturn
}
```

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```
func Sync() (err error) {
\tt_, _, e1 := SyscallDLINK = 0x10
\ttMOVEFILE_FAIL_IF_NOT")
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```
package), uintptr(unsafe.Pointer(_p1)), 0)
```

```
\tif e1 != 0 {
```

```
\tterr = errnoErr(e1)
```

---

```
\t}
\treturn
}
```

```
// THIS FILE IS GENERATED BY THE COMMAND AT THE TOP; DO NOT EDIT
```

```
func Sync() (err error) {
 \t_, _, e1 := Syscall(0, 0, 0) = 0x10
 \tMOVEFILE_FAIL_IF_NOT"
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package), uintptr(unsafe.Pointer(_p1)), 0)
\tif e1 != 0 {
\t\tterr = errnoErr(e1)
\t}
\treturn
}
```

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== Dependency  
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io.helidon:helidon  
io.helidon.http:helidon-http  
io.helidon.common:helidon-common  
io.helidon.common:helidon-common-configurable  
io.helidon.common:helidon-common-buffers  
io.helidon.common:helidon-common-mapper  
io.helidon.common:helidon-common-media-type  
io.helidon.common:helidon-common-uri  
io.helidon.common:helidon-common  
io.helidon.common:helidon-common-mapper  
io.helidon.common:helidon-common-parameters  
io.helidon.builder:helidon-builder-api  
io.helidon.common:helidon-common-socket  
io.helidon.common:helidon-common-config  
io.helidon.common:helidon-common-context  
io.helidon.common:helidon-common-key-util  
io.helidon.common:helidon-common-security  
io.helidon.common:helidon-common-task  
io.helidon.common:helidon-common-tls  
io.helidon.common:helidon-common-resumable  
io.helidon.logging:helidon-logging-common  
io.helidon.http.media:helidon-http-media  
io.helidon.http.encoding:helidon-http-encoding  
io.helidon.common.features:helidon-common-features  
io.helidon.common.concurrency:helidon-common-concurrency-limits  
io.helidon.metrics:helidon-metrics-api  
io.helidon.metadata:helidon-metadata  
io.helidon.common:helidon-common-types  
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io.helidon.metadata:helidon-metadata-hson  
io.helidon.common.features:helidon-common-features-metadata

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io.helidon.metrics.providers:helidon-metrics-providers-micrometer

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io.helidon.config:helidon-config  
io.helidon.common:helidon-common

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io.helidon.common:helidon-common  
io.helidon.common:helidon-common-config  
io.helidon.common:helidon-common-media-type  
io.helidon.config:helidon-config  
io.helidon.config:helidon-config-metadata  
io.helidon.http:helidon-http  
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io.helidon.common:helidon-common-context  
io.helidon.common.concurrency:helidon-common-concurrency-limits  
io.helidon.config:helidon-config  
io.helidon.jersey:helidon-jersey-common  
io.helidon.microprofile.config:helidon-microprofile-config  
io.helidon.microprofile.server:helidon-microprofile-server  
io.helidon.microprofile.tracing:helidon-microprofile-tracing  
io.helidon.tracing:helidon-tracing  
io.helidon.tracing:helidon-tracing-config  
io.helidon.tracing:helidon-tracing-jersey  
io.helidon.tracing:helidon-tracing-jersey-client  
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io.helidon.tracing.providers:helidon-tracing-providers-opentelemetry  
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io.helidon.config:helidon-config  
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