

Oracle® Communications
Cloud Native Core

Licensing Information User Manual

Release 2.0.2

F28353-01

February 2020

ORACLE®

Oracle Communications Cloud Native Core Licensing Information User Manual, Release 2.0.2

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1. 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>.

2. Licensing Information

Description of Product Editions and Permitted Features

Prerequisite Products

Entitled Products and Restricted Use Licenses

Product	Subproduct	Licensing Information
<p>Oracle Communications Cloud Native Core</p>	<p>Oracle Communications Cloud Native Core, Network Function Cloud Native Environment – per 25K Active Subscribers</p>	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Network Function Cloud Native Environment provides tools and capabilities to run cloud native network functions in the network.</p> <p>Prerequisites: Any one of the following licenses is prerequisite to license and use Oracle Communications Cloud Native Core, Network Function Cloud Native Environment – per 25K Active Subscribers:</p> <ul style="list-style-type: none"> Oracle Communications Cloud Native Core, Binding Support Function – per 25K Active Subscribers Oracle Communications Cloud Native Core, Converged Policy – per 25K Active Subscribers Oracle Communications Cloud Native Core, Converged Signaling – per 25K Active Subscribers Oracle Communications Cloud Native Core, Diameter Routing Agent – per 25K Active Subscribers Oracle Communications Cloud Native Core, InterWorking and Mediation Function – per 25K Active Subscribers Oracle Communications Cloud Native Core, Network Exposure Function – per 25K Active Subscribers Oracle Communications Cloud Native Core, Network Repository Function – per 25K Active Subscribers Oracle Communications Cloud Native Core, Network Slice Selection Function – per 25K Active Subscribers Oracle Communications Cloud Native Core, Policy Control Function – per 25K Active Subscribers Oracle Communications Cloud Native Core, Policy and Charging Rules Function – per 25K Active Subscribers Oracle Communications Cloud Native Core, Routing and Selection Domain – per 25K Active Subscribers Oracle Communications Cloud Native Core, Security Edge Protection Proxy – per 25K Active Subscribers Oracle Communications Cloud Native Core, Service Communication Proxy – per 25K Active Subscribers Oracle Communications Cloud Native Core, Unified Data Repository – per 25K Active Subscribers Oracle Communications Cloud Native Core, Unstructured Data Storage Function – per 25K Active Subscribers

Product	Subproduct	Licensing Information
	Oracle Communications Cloud Native Core, Binding Support Function – per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Binding Support Function (BSF) provides session binding functionality, which ensures request for session reaches the relevant PCF holding the session information.</p> <p>This service:</p> <ul style="list-style-type: none"> - Allows Network Function (NF) consumers to register, update and remove the binding information; and - Allows Network Function (NF) consumers to retrieve the binding information. <p>Prerequisites: None</p>
	Oracle Communications Cloud Native Core, Converged Policy – per 25K Active Subscribers	<p>Description: This functionality provides the Right to Use the Cloud Native Policy and Charging Rules Function (cnPCRF) and Cloud Native Policy Control Function (PCF) NFs. The Policy Control Function (PCF) allows the customer to support centralized policy management in their 5G core network. Cloud Native Policy and Charging Rules Function (cnPCRF) includes 3GPP PCRF functionality per the Oracle statement of Compliance for OCPM Releases. Overall this converged license enables customers to perform Policy management for 4G and 5G Networks as a complete solution and also enables customers to transition subscribers from 4G to 5G over time.</p> <p>Prerequisites: None</p> <p>Entitled Products and Restricted Use Licenses: A license to Oracle Communications Cloud Native Core, Converged Policy – per 25K Active Subscribers includes a restricted use license to MySQL Cluster Carrier Grade Edition. MySQL Cluster Carrier Grade Edition may be used solely to deploy and run Oracle Communications Cloud Native Core, Converged Policy – per 25K Active Subscribers.</p>
	Oracle Communications Cloud Native Core, Converged Signaling – per 25K Active Subscribers	<p>Description: This functionality provides the Right to Use the Cloud Native Diameter Routing Agent (cnDRA), Service Communication Proxy (SCP), Network Repository Function (NRF), and InterWorking and Mediation Function (IWF) NFs. It enables a smooth transition for operators from 4G to 5G over time.</p> <p>Prerequisites: None</p>

Product	Subproduct	Licensing Information
	Oracle Communications Cloud Native Core, Diameter Routing Agent – per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Diameter Routing Agent (DRA) provides ability to route diameter messages between Network Functions (NF) in the 4G network</p> <p>Prerequisites: The following license is prerequisite to license and use Oracle Communications Cloud Native Core, Diameter Routing Agent – per 25K Active Subscribers:</p> <p>Oracle Communications Common Signaling – per Signaling Unit – per Message per Second</p>
	Oracle Communications Cloud Native Core, InterWorking and Mediation Function – per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The InterWorking and Mediation (IWF) Function provides Interworking and mediation function between HTTP ⇔ HTTP and HTTP ⇔ Diameter that allow access to the services and capabilities provided by network entities.</p> <p>Prerequisites: The following license is prerequisite to license and use Oracle Communications Cloud Native Core, InterWorking and Mediation Function - per 25K Active Subscribers:</p> <p>Customer must purchase a license of InterWorking and Mediation Function (IWF) for each separately purchased Network Function (NF) where the customer requires IWF whether deploying all functions on one node or on separate nodes. When licensed in the Routing and Selection offering, pricing includes the use of IWF for the following five functions deployed in the same node: Service Communication Proxy (SCP), Network Slice Selection Function (NSSF), Binding Support Function (BSF), Security Edge Protection Proxy (SEPP), and Network Exposure Function (NEF). IWF is not applicable to Network Repository Function (NRF).</p>

Product	Subproduct	Licensing Information
	Oracle Communications Cloud Native Core, Network Exposure Function – per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Network Exposure Function (NEF) provides RESTful APIs that allow access to the services and capabilities provided by network entities and securely exposed by NEF.</p> <p>The NEF Northbound interface supports the following procedures:</p> <ul style="list-style-type: none"> - Procedures for Monitoring - Procedures for Device Triggering - Procedures for resource management of Background Data Transfer - Procedures for Communication Pattern Parameters Provisioning - Procedures for Packet Flow Description Management - Procedures for Traffic Influence <p>Prerequisites: None</p>
	Oracle Communications Cloud Native Core, Network Repository Function – per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Network Repository Function (NRF) supports management and discovery services and the management services allow for Network Function (NF) instances to be Introduced/Updated/Removed in the 5G core without manual configuration. More NRF developments will come as part of future releases.</p> <p>Prerequisites: None</p>
	Oracle Communications Cloud Native Core, Network Slice Selection Function – per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Network Slice Selection Function (NSSF) provides an important capability to bring network resource utilization efficiency, deployment flexibility and support fast growing over the top (OTT) application and services.</p> <p>Prerequisites: None</p>

Product	Subproduct	Licensing Information
	Oracle Communications Cloud Native Core, Policy Control Function – per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Policy Control Function (PCF) allows the customer to support centralized policy management in their 5G core network. It includes Network Access Selection, Access and Mobility Management, and Network Slice Selection</p> <p>Prerequisites: None.</p> <p>Entitled Products and Restricted Use Licenses: A license to Oracle Communications Cloud Native Core, Policy Control Function – per 25K Active Subscribers includes a restricted use license to MySQL Cluster Carrier Grade Edition. MySQL Cluster Carrier Grade Edition may be used solely to deploy and run Oracle Communications Cloud Native Core, Policy Control Function – per 25K Active Subscribers.</p>
	Oracle Communications Cloud Native Core, Policy and Charging Rules Function – per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Policy and Charging Rules Function (PCRF) includes 3GPP PCRF functionality as per Oracle statement of Compliance for OCPM Releases. This license is based on the number of concurrent network access sessions allowed within a Policy Management network. A network access session is defined as the association between a user endpoint/device and an IP network. Network Access Sessions represent the peak concurrent sessions measured based on highest busy hour session load within a given Policy Management network.</p> <p>Prerequisites: None.</p> <p>Entitled Products and Restricted Use Licenses: A license to Oracle Communications Cloud Native Core, Policy and Charging Rules Function – per 25K Active Subscribers includes a restricted use license to MySQL Cluster Carrier Grade Edition. MySQL Cluster Carrier Grade Edition may be used solely to deploy and run Oracle Communications Cloud Native Core, Policy and Charging Rules Function – per 25K Active Subscribers.</p>
	Oracle Communications Cloud Native Core, Routing and Selection Domain – per 25K Active Subscribers	<p>Description: Routing and Selection domain consists of six Cloud Native Core functions: Service Communication Proxy (SCP), Network Repository Function (NRF), Network Exposure Function (NEF), Network Slice Selection Function (NSSF), Security Edge Protection Proxy (SEPP), and InterWorking and Mediation Function (IWF).</p> <p>Prerequisites: None</p>

Product	Subproduct	Licensing Information
	Oracle Communications Cloud Native Core, Security Edge Protection Proxy – per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Security Edge Protection Proxy (SEPP) is a nontransparent proxy that supports message filtering and policing on inter-PLMN control-plane interfaces and topology hiding for the PLMN network. A SEPP function should perform the firewall role for transactions between domains. Given that the SEPP is the point where integrity protection and encryption are applied, the SEPP has visibility into each aspect of a transaction.</p> <p>Prerequisites: None</p>
	Oracle Communications Cloud Native Core, Service Communication Proxy – per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Service Communication Proxy (SCP) addresses introduction of 5G Service Based Architecture and the usage of HTTP/2 for signaling. Provides congestion control in cases of flooding and at the same time protect servers from being overloaded. Facilitates traffic prioritization to ensure that the higher priority traffic is addressed in overload situations Uniform Authorization/Authentication mechanism in the network Simplifies the network and provider better visibility into the health of the network. Reduces the connection mesh to a manageable number of connections, thereby decreasing the chances of failure.</p> <p>Prerequisites: None</p>
	Oracle Communications Cloud Native Core, Unified Data Repository – per 25K Active Subscribers	<p>Description: This subproduct adds the following features to the Oracle Communications Cloud Native Core.</p> <p>The Unified Data Repository (UDR) is a functional entity that acts as a single logical repository of user data and is unique from Application Front End’s perspective. Entities which do not store user data and that need to access user data stored in the UDR are collectively known as application front ends.</p> <p>Prerequisites: None</p>

3. Third-Party Notices and/or Licenses

3.1 Commercial Software

Commercial software products or components distributed in Oracle Communications Cloud Native Core are identified in the following table along with the applicable licensing information.

Provider	Component(s)	Licensing Information
N/A	N/A	N/A

3.2 Open Source or Other Separately Licensed Software

Required notices for open source or other separately licensed software products or components distributed in Oracle Communications Cloud Native Core are identified in the following sections 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 software.

The sections below identify the open source components used by each Oracle Communications Cloud Native Core subproduct. The licensing information can be found in section 3.2.13, Cloud Native Core Licensing Information.

3.2.1 Network Function Cloud Native Environment 1.2.0 Components

Ansible 2.7.9-1	python-pip 8.1.2-7
dnsmasq 2.76-7	Python-setuptools 0.9.8-7
Helm 2.9.1	tar 1.26-35
Kubespray 2.10.3.1	wget 1.14-18
Python 2.7.5-86.0.1	

3.2.2 Binding Support Function 1.0.0 Components

HSQLDB 2.4.1	OpenTracing Spring Jaeger Starter 0.1.4
HttpClient 4.5.7	OpenTracing Spring Web 0.3.2
jackson-datatype-joda 2.9.6	SLF4J-1.7.25
JavaScript Extension Toolkit (JET) 5.1.0	Spring Boot 2.1.2
Micrometer 1.0.5	Springfox 2.9.2

3.2.3 Diameter Routing Agent 1.0.0 Components

HttpClient 4.5.7	Micrometer 1.1.2
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3.2.4 InterWorking and Mediation Function 1.0.0 Components

commons-validator 1.6.0	OkHttp 3.13.1
Micrometer 1.1.2	-

3.2.5 Network Exposure Function 1.0.0 Components

Guava 27.0.1	Nginx 1.14.2
HSQLDB 2.4.1	OpenTracing Spring Jaeger Starter 0.1.4
HttpClient 4.5.7	OpenTracing Spring Web 0.3.2
jackson-datatype-joda 2.9.6	SLF4J-1.7.25
JavaScript Extension Toolkit (JET) 5.1.0	Spring Boot 2.1.2
Kong 1.0.3	Springfox 2.9.2
Micrometer 1.0.5	-

3.2.6 Network Repository Function 1.2.0 Components

commons-validator 1.6.0	spring-boot-starter-log4j2 2.1.2
HttpClient 4.5.7	spring-boot-starter-undertow 2.1.2
ipaddress 5.0.2	Springfox 2.9.2
JSON-Java 20180813	springfox-swagger-ui 2.9.2
OkHttp 3.13.1	Spring Security 5.1.5.RELEASE
Spring Boot 2.1.7.RELEASE	

3.2.7 Network Slice Selection Function 1.0.0 Components

commons-validator 1.6.0	OkHttp 3.13.1
Guava 27.0.1	spring-boot-actuator 2.1.2
Micrometer 1.1.2	-

3.2.8 Policy Control Function 1.0.0 Components

Akka 2.5.17	lodash 4.17.11
allure2 2.8.0	Logback 1.2.3
AspectJ 1.9.1	Lombok 1.18.4

Blockly 1.20180904	Micrometer 1.0.5
Brave 5.6	micrometer-akka 0.9.0
brave-opentracing 0.33.10	mocha 5.2.0
caffeine 2.6.2	Mybatis Spring Boot Starter 1.3.2
Commons Codec 1.11	Nginx 1.14.2
Commons CSV 1.5	Node.js 10.15.0
Commons IO 2.6	OkHttp 3.13.1
commons-lang3- 3.8.1	OpenResty 1.13.6.2
Commons Pool 2.6.0	OpenTracing API for Java 0.31.0
DropWizard Metrics 4.0.2	opentracing-python 2.0.0
Flask 1.0.2	OpenTracing Spring Jaeger Starter 0.1.4
flask-cors 3.0.7	OpenTracing Spring Web 0.3.2
Flask-SQLAlchemy 2.3.2	Prometheus Client Python 0.5.0
Google Go 1.11.2	psutil 5.5.0
Groovy 2.5.0	Python 3.6.8
GSON 2.8.5	pyyaml 3.13
Guava 27.0	reactor-core 3.1.8.RELEASE
hapi 17.6.0	requests 2.21.0
HikariCP 3.2.0	SLF4J-1.7.25
HSQLDB 2.4.1	Spring Boot 2.1.1.RELEASE
HttpClient 4.5.7	Spring Cloud Stream 2.0.1.RELEASE
HttpCore 4.4.11	Spring Cloud Stream Binder Kafka 2.0.1.RELEASE
jackson-core 2.9.7	Springfox 2.9.2
jackson-datatype-joda 2.9.6	Spring Framework 5.1.3
jaeger-client-python 3.13.0	spring-kafka 2.1.10.RELEASE
JavaScript Extension Toolkit (JET) 5.1.0	WireMock 2.20.0
Jetty 9.4.14.v20181114	XStream 1.4.11.1
JsonPath 2.4.0	Zipkin 2.12.1
Kong 1.0.3	zipkin-reporter-java 2.7.15
LMAX-Exchange disruptor 3.4.2	-

3.2.9 Policy and Charging Rules Function 1.0.0 Components

AspectJ 1.9.1	LMAX-Exchange disruptor 3.4.2
Brave 5.6	Logback 1.2.3
brave-opentracing 0.33.10	Lombok 1.18.4
Commons CSV 1.6	Micrometer 1.1.4
Commons IO 2.6	OpenTracing API for Java 0.32.0
commons-lang3- 3.8.1	opentracing-spring-jaeger-cloud-starter 1.0.2
Commons Pool 2.6.1	OpenTracing Spring Web 1.1.1
DropWizard Metrics 4.0.5	SLF4J-1.7.26
Guava 27.0	Spring Boot 2.1.1.RELEASE
HttpClient 4.5.7	Spring Cloud Stream 2.0.1.RELEASE
HttpCore 4.4.11	Spring Cloud Stream Binder Kafka 2.0.1.RELEASE
influxdb-java 2.14	Springfox 2.9.2
jackson-core 2.9.7	XStream 1.4.11.1
jackson-datatype-joda 2.9.7	Zipkin 2.12.1
Java DogStatsD Client 2.6.1	zipkin-reporter-java 2.7.15
JsonPath 2.4.0	-

3.2.10 Security Edge Protection Proxy 1.2.1 Components

commons-lang3- 3.8.1	OkHttp 3.13.1
Guava 27.0.1	Spring Boot 2.1.7.RELEASE

3.2.11 Service Communication Proxy 1.2.1 Components

commons-lang3- 3.8.1	OkHttp 3.13.1
HttpClient 4.5.7	Spring Boot 2.1.7.RELEASE
jackson-dataformat-yaml 2.9.8	Springfox 2.9.2
JSON-Java 20180813	springfox-swagger-ui 2.9.2
Kubernetes Java Client library 4.0.0	Spring Retry 1.2.4.RELEASE

3.2.12 Unified Data Repository 1.2.0 Components

Commons IO 2.6	Micrometer 1.1.2
Guava 27.0.1	OkHttp 3.13.1
HttpClient 4.5.7	Spring Boot 2.1.7.RELEASE
JSON-Java 20180813	spring-boot-actuator 2.1.2
JsonPath 2.4.0	spring-boot-starter-log4j2 2.1.2
JSON Schema 1.11.0	spring-boot-starter-undertow 2.1.2
Kubernetes Java Client library 4.0.0	Springfox 2.9.2

3.2.13 Cloud Native Core Licensing Information

Provider	Component(s)	Licensing Information
Lightbend Inc.	Akka 2.5.17	<p>Copyright 2009-2017 Lightbend Inc. APACHE 2.0 –See Appendix E =====</p> <p>The following 4th party libraries are under the Apache 2.0 License:</p> <p>com.typesafe # ssl-config-core_2.12 # 0.2.1 Copyright (C) 2015 - 2018 Lightbend Inc.</p> <p>com.typesafe # config # 1.3.1 Copyright (C) 2011-2012 Typesafe Inc.</p> <p>io.netty # netty # 3.10.6.Final Copyright 2014 The Netty Project</p> <p>io.aeron # aeron-client # 1.2.5 io.aeron # aeron-driver # 1.2.5 org.agrona # agrona # 0.9.5 Copyright 2014-2018 Real Logic Ltd.</p> <p>com.github.jnr # jffi # 1.2.14 Copyright (C) 2009 Wayne Meissner</p> <p>com.github.jnr # jnr-constants # 0.9.6 com.github.jnr # jnr-ffi # 2.1.2</p>

Provider	Component(s)	Licensing Information
		<p>Copyright (C) 2008-2010 Wayne Meissner</p> <p>org.lmdbjava # lmdbjava # 0.0.5</p> <p>Copyright (C) 2016 - 2018 The LmdbJava Open Source Project APACHE 2.0 –See Appendix E</p> <p>=====</p> <p>The following 4th party libraries are under BSD License</p> <p>org.ow2.asm # asm # 5.0.3 org.ow2.asm # asm-analysis # 5.0.3 org.ow2.asm # asm-commons # 5.0.3 org.ow2.asm # asm-tree # 5.0.3 org.ow2.asm # asm-util # 5.0.3</p> <p>Copyright (c) 2000-2011 INRIA, France Telecom All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</p> <p>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.</p> <p>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.</p> <p>THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT</p>

Provider	Component(s)	Licensing Information
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Kubernetes	Helm 2.9.1	<p>APACHE 2.0 – See Appendix E</p> <p>-----</p> <p>Fourth Party dependencies:</p> <p>Package: cloud.google.com/go URL: https://code.google.com/go/cloud Version: 3b1ae45394a234c385be014e9a488f2bb6eef821 Person: Google</p> <p>APACHE 2.0 – See Appendix E</p> <p>-----</p> <p>Package: github.com/aokoli/goutils URL: https://github.com/aokoli/goutils Version: 9c37978a95bd5c709a15883b6242714ea6709e64</p>

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OpenZipkin	Zipkin 2.12.1	<p>Copyright 2015-2018 The OpenZipkin Authors</p> <p>APACHE 2.0 – See Appendix E</p> <p>-----</p> <p>Below are 4th party dependencies.</p> <p>org.jooq >> jooq, 3.11.9</p> <p>APACHE 2.0 – See Appendix E</p> <p>+++++</p> <p>spring-boot, 2.1.2.RELEASE</p> <p>APACHE 2.0 – See Appendix E</p> <p>+++++</p> <p>okhttp3, 3.12.1</p> <p>APACHE 2.0 – See Appendix E</p> <p>+++++</p> <p>com.squareup.okio, 1.17.3</p> <p>Copyright 2013 Square, Inc.</p> <p>APACHE 2.0 – See Appendix E</p> <p>+++++</p> <p>com.squareup.moshi, 1.8.0</p> <p>Copyright 2015 Square, Inc.</p> <p>APACHE 2.0 – See Appendix E</p> <p>+++++</p> <p>com.google.auto.value, 1.6.3</p> <p>Copyright 2013 Google, Inc.</p> <p>APACHE 2.0 – See Appendix E</p> <p>+++++</p> <p>log4j, 2.11.0</p> <p>Copyright 1999-2017 Apache Software Foundation</p> <p>APACHE 2.0 – See Appendix E</p>
OpenZipkin	zipkin-reporter-java 2.7.15	<p>Copyright 2016-2018 The OpenZipkin Authors</p> <p>APACHE 2.0 – See Appendix E</p> <p>+++++</p>

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```
=====
==== File 1 of 38: LICENSE
=====
```

```
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```

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```
=====
==== File 2 of 38: config.GUESS
=====
```

```
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==== File 3 of 38: configure

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==== File 4 of 38: header

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==== File 5 of 38: build/shtool

== ## Copyright (c) 1994-2008 Ralf S. Engelschall <rse@engelschall.com> ## ## See
<http://www.gnu.org/software/shtool/> for more information. ## See <ftp://ftp.gnu.org/gnu/shtool/> for latest
 version. ## ## Version: 2.0.8 (18-Jul-2008) ## Contents: 5/19 available modules ## This program is free
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==== File 6 of 38: ext/bcmath/libbcmath/src/add.c

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```
==== File 8 of 38: ext/calendar: dow.c
```

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==== File 9 of 38: ext/ereg/regex/COPYRIGHT
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```

```

=====
==== File 10 of 38: ext/fileinfo/libmagic/LICENSE
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```

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==== File 11 of 38: ext/gd/libgd/COPYING
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=====  
==== File 12 of 38: ext/gd/libgd/README  
=====
```

```
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=====  
==== File 13 of 38: ext/gd/libgd/webpimg.c  
=====
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==== File 16 of 38: `ext/json/JSON_parser.c`

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==== File 17 of 38: `ext/mbstring/libmbfl/filters/cp932_table.h`

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==== File 18 of 38: `ext/mbstring/oniguruma/enc/ascii.c`

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==== File 19 of 38: ext/mbstring/oniguruma/enc/gb18030.c

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====
==== File 21 of 38: ext/mbstring/ucgendat/ucgendat
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==== File 22 of 38: ext/pcre/pcrelib/LICENSE
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====
==== File 23 of 38: ext/standard/html_tables/mappings/8859-1.txt
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==== File 24 of 38: ext/standard/html_tables/mappings/ROMAN.txt
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=====
==== File 25 of 38: ext/standard/strnatcmp.c
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=====
==== File 26 of 38: ext/xmlrpc/libxmlrpc/encodings.c
=====

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=====
==== File 27 of 38: ext/zip/lib/zip.h
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==== File 28 of 38: main/mergesort.c
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==== File 29 of 38: sapi/cli/php_http_parser.c
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```
=====
===== File 30 of 38: sapi/fpm/fpm/fpm_log.c
=====
```

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==== File 33 of 38: TSRM/trheads.M4  
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```
==== File 34 of 38: win32/flock.c
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```

```
==== File 35 of 38: win32/php_stdint.h
```

```
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==== File 37 of 38: Zend/header

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js/libs/webcomponents/custom-elements.min.js		custom-elements
scss/oj/v5.1.0/3rdparty/normalize/normalize.scss	MIT	

Knockout Fast Foreach v0.6.0 (2016-07-28T11:02:54.197Z)

By: Brian M Hunt (C) 2015 | License: MIT

* webcomponents/custom-elements - v1.0.8

*

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*/

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```
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* http://proj4js.org/
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*/
```

```
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* https://github.com/guybedford/require-css
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*/
```

```
/*! Hammer.JS - v2.0.4 - 2014-09-28
* http://hammerjs.github.io/
*
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/*
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see: http://github.com/requirejs/i18n for details
*/
```

```
/* This component is based on original code from:
```

```
jsTree 1.0-rc3 http://jstree.com/
```

```
"Copyright (c) 2010 Ivan Bozhanov (vakata.com)
```

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http://www.gnu.org/licenses/gpl.html"
```

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*/
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```

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```

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/** @license
```

```
* crossroads <http://millermedeiros.github.com/crossroads.js/>
```

```
* Author: Miller Medeiros | MIT License
```

```
* v0.12.0 (2013/01/21 13:47)
```

```
*/
```

ES6-Promise v1.0.0

Copyright (c) 2014 Yehuda Katz, Tom Dale, Stefan Penner and contributors

```
/*!
```

```
* History API JavaScript Library v4.1.0
*
* Support: IE8+, FF3+, Opera 9+, Safari, Chrome and other
*
* Copyright 2011-2013, Dmitrii Pakhtinov ( spb.piksel@gmail.com )
*
* http://spb-piksel.ru/
*
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* http://www.opensource.org/licenses/mit-license.php
* http://www.gnu.org/licenses/gpl.html
*
* Update: 2014-03-24 13:14
*/
```

```
/*! jQuery UI - v1.11.4 - 2015-03-18
```

```
* http://jqueryui.com
* Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js
* Copyright 2015 jQuery Foundation and other contributors; Licensed MIT */
```

```
/*!
```

```
* jQuery JavaScript Library v2.2.3
* http://jquery.com/
*
* Includes Sizzle.js
* http://sizzlejs.com/
*
* Copyright 2005, 2014 jQuery Foundation, Inc. and other contributors
* Released under the MIT license
* http://jquery.org/license
*
* Date: 2014-12-18T15:11Z
```

*/

/** @license

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

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* Author: Miller Medeiros

* Version: 1.0.0 - Build: 268 (2012/11/29 05:48 PM)

*/

/**

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* see: <http://github.com/requirejs/text> for details

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/*

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*/

/*!

* Knockout JavaScript library v3.4.2

* (c) Steven Sanderson - <http://knockoutjs.com/>

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===== Proj4js =====

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Version 2.1, February 1999

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