

**Oracle® Communications
Unified Assurance**

Licensing Information User Manual

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Contents

Introduction.....	1
Licensing Information.....	2
Third-Party Notices.....	12

Introduction

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Licensing Information

Product	Subproduct	Licensing Description
Oracle Communications Unified Assurance	Oracle Communications Unified Assurance	<p>This is the full platform that can use adaptors for integrations and use device licenses to speak directly to devices. All devices are priced by Unified Assurance irrespective if directly connected or managed via an element manager and consumed by Assurance via an adaptor.</p> <p>Oracle Communications Unified Assurance includes:</p> <ul style="list-style-type: none"> • Event Manager, which includes Knowledgebase, Custom Action Policy Engine, Supervised Event Correlation, Watcher, Trap, Syslog, Email, TL1 gateway • Performance Manager, which includes Performance Manager Base, Polling Engine, Dynamic Device Overviews, Top-N reports, Post Collection Consolidation Engine, KPI Creation, Threshold Engines, Burst Detection, Baseline, Trend • Pollers, which includes ICMP, generic SNMP, IPSLA, device health, interface health • Service Assurance, which includes SAM Engine, SAM collectors • Topology Manager for all OSI layers, which includes topology-based root cause analysis, user interfaces for topology manager, stitchers • Multitenant visualization engine, which includes all portal and dashboard components <p>Prerequisites:</p> <ul style="list-style-type: none"> • Licenses for Direct Connect Devices for Unified Assurance • Adaptors for integrations into third-party components (as required) • Oracle Communications Unified Assurance Event History License Subscription or • Oracle Communications Unified Assurance Event History and Analytics License Subscription
Oracle Communications Unified Assurance	Oracle Communications Unified Assurance Large Devices (CORE/EDGE)	<p>Oracle Communications Large Devices (CORE/EDGE) Are Defined As:</p> <p>A core network is a telecommunication network's core part, which offers numerous services to the customers who are interconnected by the access network. Its key function is to direct telephone calls over the public-switched telephone network.</p> <p>In general, this term signifies the highly functional communication facilities that interconnect primary nodes. The core network delivers routes to exchange information among various sub-networks. When it comes to enterprise networks that serve a single organization, the term backbone is often used instead of core network, whereas when used with service providers the term core network is prominent.</p>

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		<p>This term is also known as network core or backbone network.</p> <p>An edge device is any piece of hardware that controls data flow at the boundary between two networks. Edge devices fulfill a variety of roles, depending on what type of device they are, but they essentially serve as network entry -- or exit -- points. Some common functions of edge devices are the transmission, routing, processing, monitoring, filtering, translation and storage of data passing between networks. Edge devices are used by enterprises and service providers.</p> <p>One of the most common types of edge devices is an edge router. Usually deployed to connect a campus network to the internet or a WAN, edge routers chiefly function as gateways between networks. A similar type of edge device, known as a routing switch, can also be used for this purpose, although routing switches typically offer less-comprehensive features than full-fledged routers.</p> <p>Firewalls can also be classified as edge devices, as they sit on the periphery of one network and filter data moving between internal and external networks.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • Oracle Communications Unified Assurance
Oracle Communications Unified Assurance	Oracle Communications Unified Assurance Small Devices (CPE/RAN/NID)	<p>Oracle Communications Small Devices (CPE/RAN/NID) Are Defined As:</p> <p>In telecommunications, a customer-premises equipment or customer-provided equipment (CPE) is any terminal and associated equipment located at a subscriber's premises and connected with a carrier's telecommunication circuit at the demarcation point ("demarc"). The demarc is a point established in a building or complex to separate customer equipment from the equipment located in either the distribution infrastructure or central office of the communications service provider.</p> <p>CPE generally refers to devices such as telephones, routers, network switches, residential gateways (RG), set-top boxes, fixed mobile convergence products, home networking adapters and Internet access gateways that enable consumers to access providers' communication services and distribute them in a residence or enterprise with a local area network (LAN).</p> <p>A radio access network (RAN) is a major component of a wireless telecommunications system that connects individual devices to other parts of a network through a radio link. The RAN links user equipment, such as a cellphone, computer or any remotely controlled machine, over a fiber or wireless backhaul connection. That link goes to the core network, which manages subscriber information, location and more.</p> <p>The RAN, which is sometimes also called the access network, is the radio element of the cellular network. A cellular network is made up of land areas called cells. A cell is served by at least one radio transceiver, although the standard is typically three for cell sites.</p>

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		<p>A RAN is made up of three essential elements:</p> <ol style="list-style-type: none"> 1. Antennas convert electrical signals into radio waves. 2. Radios transform digital information into signals that can be sent wirelessly and ensure that transmissions are in the correct frequency bands with the right power levels. 3. Baseband units (BBUs) provide a set of signal processing functions that make wireless communication possible. Traditional baseband uses custom electronics combined with multiple lines of code to enable wireless communication, typically using the licensed radio spectrum. BBU processing detects errors, secures the wireless signal and ensures that wireless resources are used effectively. <p>In telecommunications, a network interface device (NID; also known by several other names) is a device that serves as the demarcation point between the carrier's local loop and the customer's premises wiring. Outdoor telephone NIDs also provide the subscriber with access to the station wiring and serve as a convenient test point for verification of loop integrity and of the subscriber's inside wiring.</p> <p>Small devices may also represent servers; physical or virtual.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • Oracle Communications Unified Assurance
Oracle Communications Unified Assurance	Oracle Communications Unified Assurance IOT Devices (Endpoint Devices)	<p>Internet of Things (IOT) Devices are defined as simple input Devices operated by humans, or remotely managed or fully automated Devices collecting information or responding to commands issued from centralized control points. IOT Devices include but are not limited to smart mobiles, smart fire alarms, smart door locks, smart bicycles, medical sensors, fitness trackers, and smart security systems.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • Oracle Communications Unified Assurance
Oracle Communications Unified Assurance	Oracle Communications Federated Assurance	<p>This is a limited version of the platform that cannot directly communicate with end devices. It can consume fault or performance management data from other sources for purposes of combining data from other managers into a consolidated view. Adaptors are used to support integrations. Federated Assurance device licenses are required for the number of devices that will be managed.</p> <p>Oracle Communications Federated Assurance includes:</p> <p>Event Manager, which includes Knowledgebase, Custom Action Policy Engine, Watcher, Supervised Event Correlation.</p> <p>Prerequisites:</p>

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		<ul style="list-style-type: none"> Licenses for Adaptor Based Devices for Federated Assurance Adaptors for integrations into third-party components (as required) Oracle Communications Unified Assurance Event History License Subscription or Oracle Communications Unified Assurance Event History and Analytics License Subscription
Oracle Communications Unified Assurance	Oracle Communications Federated Assurance Large Devices (CORE/EDGE)	<p>Oracle Communications Large Devices (CORE/EDGE) Are Defined As:</p> <p>A core network is a telecommunication network's core part, which offers numerous services to the customers who are interconnected by the access network. Its key function is to direct telephone calls over the public-switched telephone network.</p> <p>In general, this term signifies the highly functional communication facilities that interconnect primary nodes. The core network delivers routes to exchange information among various sub-networks. When it comes to enterprise networks that serve a single organization, the term backbone is often used instead of core network, whereas when used with service providers the term core network is prominent.</p> <p>This term is also known as network core or backbone network.</p> <p>An edge device is any piece of hardware that controls data flow at the boundary between two networks. Edge devices fulfill a variety of roles, depending on what type of device they are, but they essentially serve as network entry -- or exit -- points. Some common functions of edge devices are the transmission, routing, processing, monitoring, filtering, translation and storage of data passing between networks. Edge devices are used by enterprises and service providers.</p> <p>One of the most common types of edge devices is an edge router. Usually deployed to connect a campus network to the internet or a WAN, edge routers chiefly function as gateways between networks. A similar type of edge device, known as a routing switch, can also be used for this purpose, although routing switches typically offer less-comprehensive features than full-fledged routers.</p> <p>Firewalls can also be classified as edge devices, as they sit on the periphery of one network and filter data moving between internal and external networks.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> Oracle Communications Federated Assurance

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Oracle Communications Unified Assurance	Oracle Communications Unified Topology	<p>This is a limited version of the platform that cannot directly communicate with end devices. It will not consume fault or performance information. It is designed strictly to consume topology information only from one or more sources. Adaptors are used to support integrations. Unified Topology device licenses are required for the number of devices that will be managed.</p> <p>Oracle Communications Unified Topology includes:</p> <ul style="list-style-type: none"> Topology Manager for all OSI layers, which includes user interfaces for topology manager, stitchers Multitenant visualization engine, which includes all portal and dashboard components <p>Prerequisites:</p> <ul style="list-style-type: none"> Licenses for Adaptor Based Devices for Unified Topology Adaptors for integrations into third-party components (as required) Oracle Communications Unified Assurance Event History License Subscription (for Unified Assurance log files only)
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Oracle Communications Unified Assurance	Unified Assurance External Presentation Server	<p>This is a presentation server that can be added to a cluster to sit outside of the DMZ for external users to access. Only one external presentation server license is supported per instance/cluster of Unified Assurance.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • Oracle Communications Unified Assurance or • Oracle Communications Federated Assurance
Oracle Communications Unified Assurance	Oracle Communications Visualized Assurance	<p>This is a GIS-based add-on for geospatial fault analysis. Visualized Assurance (Visualization) combines live network data and external data to provide a holistic view of the network status. Visualization allows operators to visually correlate network and service issues with external sources of geographical data, for example, weather and utility, with a zoom down to street/site level facility.</p> <p>The multi-tenanted Visualization UI also enables personalized customer views of the data, by layers, entities etc.</p>

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		<p>Visualization is highly configurable, using a layered approach to visualizing network objects and service coverage status. This allows operators and non-network users to focus on relevant data to help understand, diagnose, and respond to issues without the distraction of visualization noise, and directly visually correlate layered data, improving their understanding of the impact of faults in relation to location and customers.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • Oracle Communications Unified Assurance or • Oracle Communications Federated Assurance
Oracle Communications Unified Assurance	Oracle Communications Unified Assurance Event History License Subscription	<p>Event History is a <u>required</u> component for the platform—a license subscription to either Event History or Event History Plus Analytics must be purchased.</p> <p>Event History License Subscription retains event history and centralizes log files that are generated by the platform.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • Oracle Communications Unified Assurance or • Oracle Communications Federated Assurance or • Oracle Communications Unified Topology
Oracle Communications Unified Assurance	Oracle Communications Unified Assurance Event History Plus Analytics License Subscription	<p>Event History is a <u>required</u> component for the platform—a license subscription to either Event History or Event History Plus Analytics must be purchased.</p> <p>Event History Plus Analytics License Subscription retains event history and centralizes log files but, unlike Oracle Communications Unified Assurance Event History License Subscription, this component adds machine learning that can be applied to event history.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • Oracle Communications Unified Assurance or • Oracle Communications Federated Assurance
Oracle Communications Unified Assurance	Unified Assurance Remedy Adapter	<p>Provides a bespoke integration into Remedy for the purposes of creating, updating, and closing trouble tickets from events.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • Oracle Communications Unified Assurance or • Oracle Communications Federated Assurance

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Oracle Communications Unified Assurance	Unified Assurance ServiceNow Adapter	<p>Provides a bespoke integration into Service Now for the purposes of creating, updating, and closing trouble tickets from events.</p> <p>Prerequisites:</p> <ul style="list-style-type: none">• Oracle Communications Unified Assuranceor• Oracle Communications Federated Assurance

Third-Party Notices

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for

your libraries, 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.

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, 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 companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

Third-Party Notices

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GNUPG Matthew Skala 1998-08-10
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GNUPG Michael Roth Germany 1998-09-17
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Assigns past and future changes. (g10/compress.c, g10/encr-data.c, g10/free-packet.c, g10/mdfilter.c, g10/plaintext.c, util/iobuf.c)
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ANY g10 Code GmbH 2001-06-07
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Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15
Assigns past and future changes. (new: src/libgcrypt.pc.in, src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpi-h-mul3.S, mpi/hppa1.1/udiv-qrnd.S, mpi/hppa1.1/mpi-h-mul2.S, mpi/hppa1.1/mpi-h-mul1.S, mpi/Makefile.am, tests/prime.c, tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c, tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

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Libgcrypt used to be part of GnuPG but has been taken out into its own package on 2000-12-21.

Most of the stuff in mpi has been taken from an old GMP library version by Torbjorn Granlund <tege@noisy.tmg.se>.

The files cipher/rndunix.c and cipher/rndw32.c are based on those files from Cryptlib. Copyright Peter Gutmann, Paul Kendall, and Chris Wedgwood 1996-1999.

The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne, sergi at calcurco dot org.

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code posted to comp.lang.perl <3pd2lp\$6gf@wsinti07.win.tue.nl> by Hans
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You can contact the author at :

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```
/*
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```

```
*/
(By Douglas Crockford <douglas@crockford.com>)
```

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 */
```

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// ISO C9x compliantstdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
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//
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```
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```

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*
* Designed and built with all the love in the world @twitter by @mdo and
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== Dependency

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.2 and above	2.1.1	2001-now	PSF	yes
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BY THE COMMAND AT THE TOP; DO NOT EDIT\n\nfunc Sync() (err error) {\n\tt_,
_, e1 := Syscall(
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Additionally ""weaken"" and ""isweak"" which are

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Currently (October 2001), that's these three:

```
http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent
http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent
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symfony/polyfill-php80
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
```

```
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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Additionally `"weaken"` and `"isweak"` which are

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>

<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>

<http://www.w3.org/TR/xhtml1/DTD/xhtml-symbol.ent>

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```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
```

```
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

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"

```
Andy Armstrong,Data::Structure::Util,0.16,"TOP-LEVEL copyright for
Data::Structure::Util
```

```
Copyright 2003, 2004 Fotango - All Rights Reserved.
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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
```

```
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

--- end of The GNU General Public License, Version 1, February 1989 ---

```
-----separator-----
FOURTH-PARTY DEPENDENCY #1 Carp
```

```
== License Type
```


Perl

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Copyright (C) 1994-2013 Larry Wall

Copyright (C) 2011, 2012, 2013 Andrew Main (Zefram) <zefram@fysh.org>

-----separator-----

FOURTH-PARTY DEPENDENCY #2 Exporter

== License Type

Perl

== Copyright Notices

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-----separator-----

FOURTH-PARTY DEPENDENCY #3 ExtUtils::MakeMaker

== License Type

Perl

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FOURTH-PARTY DEPENDENCY #4 Encode

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Perl

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-----separator-----

FOURTH-PARTY DEPENDENCY #5 Storable

== License Type

Perl

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-----separator-----

FOURTH-PARTY DEPENDENCY #7 parent

== License Type
Perl

== Copyright Notices
Copyright (c) 2007-2017 Max Maischein <corion@cpan.org> Based on the idea of base.pm, which was introduced with Perl 5.004_04.

-----separator-----

FOURTH-PARTY DEPENDENCY #8 File::Spec

== License Type
Perl

== Copyright Notices
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-----separator-----

FOURTH-PARTY DEPENDENCY #9 Pod::Man

== License Type
Perl

== Copyright Notices
Copyright 1999-2010, 2012-2020, 2022 Russ Allbery <rra@cpan.org>

Substantial contributions by Sean Burke <sburke@cpan.org>.

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-----separator-----

FOURTH-PARTY DEPENDENCY #10 Pod::Simple

== License Type
Perl

== Copyright Notices
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-----separator-----

FOURTH-PARTY DEPENDENCY #11 Pod::Escapes

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-symbol.ent>

-----separator-----

FOURTH-PARTY DEPENDENCY #12 Cwd

== License Type
Perl

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FOURTH-PARTY DEPENDENCY #13 Scalar::Util

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Additionally ""weaken"" and ""isweak"" which are

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FOURTH-PARTY DEPENDENCY #14 Data::Dumper

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FOURTH-PARTY DEPENDENCY #15 Text::WrapText::Wrap

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-----separator-----
FOURTH-PARTY DEPENDENCY #18 Digest::base

== License Type
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== Copyright Notices
No copyright info.

-----separator-----
FOURTH-PARTY DEPENDENCY #19 MIME::Base64

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```
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```

```
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<signature of Ty Coon>, 1 April 1989
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
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```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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Additionally ""weaken"" and ""isweak"" which are

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
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code posted to comp.lang.perl <3pd2lp\$6gf@wsinti07.win.tue.nl> by Hans
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```

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

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

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```
*
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```

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org.slf4j:slf4j-api

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jakarta.jms:jakarta.jms-api

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== NAME OF DEPENDENCY 1
io.github.x-stream:mxparser
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Aleksander Slominski

2001-12-12

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jakarta.annotation:jakarta.annotation-api

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```
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```

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
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<one line to give the program's name and a brief idea of what it does.>

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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

--- end of The GNU General Public License, Version 1, February 1989 ---

--- The Artistic License 1.0 ---

The "Artistic License"

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Perl

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-----separator-----"

Barry Pederson,php-amqplib/php-amqplib,3.6.0,"-----

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none
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paragonie/random_compat
== License Type
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----- (separator) -----

--

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```
-----
-----
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-----
-----
```

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```
----- (separator) -----
```

```
--
```

```
== NAME OF DEPENDENCY 3
```

```
phpseclib/phpseclib
```

```
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```

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```
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```

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```
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w'.
```

```
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under certain conditions; type `show c' for details.
```

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```
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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-----separator-----
```

```
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Perl
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```

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Portions of the data tables in this module are derived from the entity
declarations in the W3C XHTML specification.
Currently (October 2001), that's these three:
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-----separator-----
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```



```
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```

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```

```
<signature of Ty Coon>, 1 April 1989
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```

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```

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com.nimbusds:nimbus-jose-jwt

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org.slf4j:slf4j-api

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com.fasterxml.jackson.core:jackson-databind

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and
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It is currently developed by a community of developers.

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com.github.spotbugs:spotbugs-annotations

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It is currently developed by a community of developers.

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This is a Java port of Daniel Lemire's `fast_float` project.
This project provides parsers for `double`, `float`, `BigDecimal` and `BigInteger` values.

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== NAME OF DEPENDENCY 13
net.minidev:json-smart
```

```
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```

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```
== NAME OF DEPENDENCY 14
com.github.luben:zstd-jni
```

```
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```

Zstd-jni: JNI bindings to Zstd Library

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com.google.code.findbugs:jsr305

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com.nimbusds:nimbus-jose-jwt

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org.slf4j:slf4j-api

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com.jayway.jsonpath:json-path

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== NAME OF DEPENDENCY 4

org.apache.kafka:kafka-clients

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com.github.spotbugs:spotbugs-annotations

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Ty Coon, President of Vice
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```

```
== NAME OF DEPENDENCY 8
com.github.stephenc.jcip:jcip-annotations
```

```
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```

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```
----- (separator) -----
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```

```
== NAME OF DEPENDENCY 9
com.fasterxml.jackson.core:jackson-annotations
```

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```
== NAME OF DEPENDENCY 10
com.fasterxml.jackson.core:jackson-core
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FastDoubleParser

This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger values.

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== NAME OF DEPENDENCY 11

net.minidev:json-smart

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== NAME OF DEPENDENCY 12

com.github.luben:zstd-jni

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Zstd-jni: JNI bindings to Zstd Library

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== NAME OF DEPENDENCY 15

com.google.code.findbugs:jsr305

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```
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w'.
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under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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```
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Perl
```

```
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```
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```

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```

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

```
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"
```

```
Daniel J. Urist, Proc::ProcessTable, 0.636, "TOP-LEVEL copyright for
Proc::ProcessTable
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```
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```

```
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```
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```

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```

```
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```

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```

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>
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```

```
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```
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program `Gnomovision' (a program to direct compilers to make passes
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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```

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```
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program `Gnomovision' (a program to direct compilers to make passes
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```

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Currently (October 2001), that's these three:

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"

"FasterXML, LLC", Jackson Annotations, 2.15.3, "

=====

Top level component : jackson-annotations 2.15.3

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"FasterXML, LLC",jackson-dataformat-yaml,2.17.0,"-----
----- jackson-dataformat-yaml-----
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"FasterXML, LLC.",jackson-dataformat-properties,2.16.0,"

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```
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
```

```
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
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program `Gnomovision' (a program to direct compilers to make passes
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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```
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```

```
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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>
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Additionally ""weaken"" and ""isweak"" which are

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<signature of Ty Coon>, 1 April 1989
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```

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```
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program `Gnomovision' (a program to direct compilers to make passes
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```

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<signature of Ty Coon>, 1 April 1989
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```
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```

```
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```
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```

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```

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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```

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<http://www.w3.org/TR/xhtml1/DTD/xhtml1-lat1.ent>

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```

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```

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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```
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

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-----separator-----

```
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Perl
```

```
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```
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```

```
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Currently (October 2001), that's these three:
<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
```

```
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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```
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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```
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```

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```
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```

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```
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```

```
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```
== License Type
Perl
```

```
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```

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w'.
```

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```

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<signature of Ty Coon>, 1 April 1989
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```
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Perl
```

```
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```
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w'.
```

```
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under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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accessors-smart

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ASM

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```

```
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```

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```
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```

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<signature of Ty Coon>, 1 April 1989
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Jonathon Freeman, jquery-ui-picklist, 0.11.0,

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```
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```

```
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```

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

```
http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent
http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent
http://www.w3.org/TR/xhtml1/DTD/xhtml-symbol.ent
```

-----separator-----

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"

Joze Martin Rozanec,cron-utils,9.2.1,"

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```

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>
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Additionally `"weaken"` and `"isweak"` which are

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```

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```

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FOURTH-PARTY DEPENDENCY #10 Pod::Simple
== License Type
Perl
== Copyright Notices
Copyright (c) 2002 Sean M. Burke.
```

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FOURTH-PARTY DEPENDENCY #11 Pod::Escapes

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>

<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>

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FOURTH-PARTY DEPENDENCY #12 Cwd

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Additionally ""weaken"" and ""isweak"" which are

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FOURTH-PARTY DEPENDENCY #14 Data::Dumper

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Perl

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```
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```
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```

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<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>

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Linkurious SAS,Ogma,4.3.5,"Fourth-party dependencies to Ogma

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```

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-----separator-----
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Perl
== Copyright Notices
Copyright (c) 2007-2017 Max Maischein <corion@cpan.org> Based on the idea
of base.pm, which was introduced with Perl 5.004_04.

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>

<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>

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Additionally ""weaken"" and ""isweak"" which are

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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```

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```
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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
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under certain conditions; type `show c' for details.
```

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```
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program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
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under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

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```
-----separator-----
FOURTH-PARTY DEPENDENCY #1 Carp
```

```
== License Type
Perl
```

```
== Copyright Notices
Copyright (C) 1994-2013 Larry Wall
```

```
Copyright (C) 2011, 2012, 2013 Andrew Main (Zefram) <zefram@fysh.org>
```

```
-----separator-----
FOURTH-PARTY DEPENDENCY #2 Exporter
```

```
== License Type
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```


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-----separator-----

FOURTH-PARTY DEPENDENCY #3 ExtUtils::MakeMaker

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FOURTH-PARTY DEPENDENCY #7 parent

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== License Type
Perl

== Copyright Notices
Copyright (c) 2007-2017 Max Maischein <corion@cpan.org> Based on the idea of base.pm, which was introduced with Perl 5.004_04.

-----separator-----
FOURTH-PARTY DEPENDENCY #8 File::Spec

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-----separator-----
FOURTH-PARTY DEPENDENCY #9 Pod::Man

== License Type
Perl

== Copyright Notices
Copyright 1999-2010, 2012-2020, 2022 Russ Allbery <rra@cpan.org>

Substantial contributions by Sean Burke <sburke@cpan.org>.

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml1-lat1.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml1-special.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml1-symbol.ent>

-----separator-----

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Additionally `"weaken"` and `"isweak"` which are

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<nothingmuch@woobling.org>.
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"

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```
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w'.
```

```
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under certain conditions; type `show c' for details.
```

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```

```
<signature of Ty Coon>, 1 April 1989
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```

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```
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```

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```
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

```
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FOURTH-PARTY DEPENDENCY #1 DBI
```

```
== License Type
Perl
```

```
== Copyright Notices
The DBI module is Copyright (c) 1994-2012 Tim Bunce. Ireland. All rights
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```

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```
-----separator-----"
Michael Vincent,Net::Syslogd,0.16,"TOP-LEVEL copyright for Net::Syslogd
```

Copyright (C) Michael Vincent 2010

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```

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```

```
<signature of Ty Coon>, 1 April 1989
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<one line to give the program's name and a brief idea of what it does.>

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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

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```
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```

```
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```

```
Copyright (C) 2011, 2012, 2013 Andrew Main (Zefram) <zefram@fysh.org>
```

```
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```

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Copyright (c) 2007-2017 Max Maischein <corion@cpan.org> Based on the idea of base.pm, which was introduced with Perl 5.004_04.

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-symbol.ent>

-----separator-----
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```
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Perl (Part of base perl distribution)
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publicly redistribute modified versions of this code with the name
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```

```
-----separator-----
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```

```
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```

```
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```
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```

```
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```

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```
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```

```
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```

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```

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```
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```

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The XS implementation uses code from metamail. Copyright 1991 Bell Communications Research, Inc. (Bellcore)

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```
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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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code posted to comp.lang.perl <3pd2lp\$6gf@wsinti07.win.tue.nl> by Hans
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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>

<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>

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Additionally ""weaken"" and ""isweak"" which are

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file:
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file:
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ext/hash/xxhash/xxhash.h

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Header File
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file:
ext/mbstring/php_unicode.c

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ext/opcache/jit/dynasm/dasm_proto.h

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file:
ext/opcache/jit/dynasm/minilua.c

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file:
ext/opcache/zend_accelerator_util_funcs.c

```
/*
 * zend_adler32() is based on zlib implementation
 * Computes the Adler-32 checksum of a data stream
 *
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*/
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file:

ext/phar/tar.c

```
/* adapted from format_octal() in libarchive
 *
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 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
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OF
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 */
```

file:

ext/phar/zip.c

```
/*
 * extracted from libzip
 * zip_dirent.c -- read directory entry (local or central), clean dirent
 * Copyright (C) 1999, 2003, 2004, 2005 Dieter Baron and Thomas Klausner
 *
 * This function is part of libzip, a library to manipulate ZIP archives.
 * The authors can be contacted at <nih@giga.or.at>
 *
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*/

file:

ext/standard/base64.h

/*

* NEON implementation is based on

<https://github.com/WojciechMula/base64simd>

* which is copyrighted to:

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*

* SSE3 and AVX2 implementation are based on

<https://github.com/aklomp/base64>

* which is copyrighted to:

*

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* SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

```

```

file:
ext/standard/crypt_blowfish.c

```

```

/*
* The crypt_blowfish homepage is:
*
*      http://www.openwall.com/crypt/
*
* This code comes from John the Ripper password cracker, with reentrant
* and crypt(3) interfaces added, but optimizations specific to password
* cracking removed.
*
* Written by Solar Designer <solar at openwall.com> in 1998-2015.
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* it if you give credit where it is due and keep your modifications in
* the public domain as well, but I don't require that in order to let
* you place this code and any modifications you make under a license
* of your choice.
*
* This implementation is fully compatible with OpenBSD's bcrypt.c for
prefix
* "$2b$", originally by Niels Provos <provos at citi.umich.edu>, and it
uses

```

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```
* some of his ideas. The password hashing algorithm was designed by David
* Mazieres <dm at lcs.mit.edu>. For information on the level of
* compatibility for bcrypt hash prefixes other than "$2b$", please
refer to
* the comments in BF_set_key() below and to the included crypt(3) man
page.
*
* There's a paper on the algorithm that explains its design decisions:
*
* http://www.usenix.org/events/usenix99/provos.html
*
* Some of the tricks in BF_ROUND might be inspired by Eric Young's
* Blowfish library (I can't be sure if I would think of something if I
* hadn't seen his code).
*/
```

```
file:
ext/standard/crypt_freesecc.c
```

```
/*
 * This version is derived from the original implementation of FreeSec
 * (release 1.1) by David Burren. I've reviewed the changes made in
 * OpenBSD (as of 2.7) and modified the original code in a similar way
 * where applicable. I've also made it reentrant and made a number of
 * other changes.
 * - Solar Designer <solar at openwall.com>
 */

/*
 * FreeSec: libcrypt for NetBSD
 *
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 *
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```

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* SUCH DAMAGE.
*
* $Owl: Owl/packages/glibc/crypt_freeseq.c,v 1.4 2005/11/16 13:08:32
solar Exp $
*
* This is an original implementation of the DES and the crypt(3)
interfaces
* by David Burren <davidb at werj.com.au>.
*
* An excellent reference on the underlying algorithm (and related
* algorithms) is:
*
* B. Schneier, Applied Cryptography: protocols, algorithms,
* and source code in C, John Wiley & Sons, 1994.
*
* Note that in that book's description of DES the lookups for the
initial,
* pbox, and final permutations are inverted (this has been brought to the
* attention of the author). A list of errata for this book has been
* posted to the sci.crypt newsgroup by the author and is available for
FTP.
*
* ARCHITECTURE ASSUMPTIONS:
* This code used to have some nasty ones, but these have been removed
* by now. The code requires a 32-bit integer type, though.
*/

```

```

file:
ext/standard/flock_compat.c

```

```

/*
* Program:   Unix compatibility routines
*
* Author:    Mark Crispin
*            Networks and Distributed Computing
*            Computing & Communications
*            University of Washington
*            Administration Building, AG-44
*            Seattle, WA 98195
*            Internet: MRC@CAC.Washington.EDU
*
* Date:      14 September 1996
* Last Edited: 14 August 1997
*

```

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*/
```

```
file:
ext/standard/html_tables/mappings/8859-1.TXT
```

```
#
# Name: ISO/IEC 8859-1:1998 to Unicode
# Unicode version: 3.0
# Table version: 1.0
# Table format: Format A
# Date: 1999 July 27
# Authors: Ken Whistler <kenw@sybase.com>
#
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```
# Unicode Standard, and to make copies of this file in any form for
# internal or external distribution as long as this notice remains
# attached.
#
# General notes:
#
# This table contains the data the Unicode Consortium has on how
# ISO/IEC 8859-1:1998 characters map into Unicode.
#
# Format: Three tab-separated columns
#         Column #1 is the ISO/IEC 8859-1 code (in hex as 0xXX)
#         Column #2 is the Unicode (in hex as 0XXXXX)
#         Column #3 the Unicode name (follows a comment sign, '#')
#
# The entries are in ISO/IEC 8859-1 order.
#
# Version history
# 1.0 version updates 0.1 version by adding mappings for all
# control characters.
#
# Updated versions of this file may be found in:
#     <ftp://ftp.unicode.org/Public/MAPPINGS/>
#
# Any comments or problems, contact <errata@unicode.org>
# Please note that <errata@unicode.org> is an archival address;
# notices will be checked, but do not expect an immediate response.
#
```

```
file:
ext/standard/html_tables/mappings/ROMAN.TXT
```

```
#=====
# File name: ROMAN.TXT
#
# Contents: Map (external version) from Mac OS Roman
#           character set to Unicode 2.1 and later.
#
# Copyright: (c) 1994-2002, 2005 by Apple Computer, Inc., all rights
#           reserved.
#
# Contact: charsets@apple.com
#
# Changes:
#
# c02 2005-Apr-05 Update header comments. Matches internal xml
#                <cl.1> and Text Encoding Converter 2.0.
# b4,c1 2002-Dec-19 Update URLs, notes. Matches internal
#                utom<b5>.
# b03 1999-Sep-22 Update contact e-mail address. Matches
#                internal utom<b4>, ufrm<b3>, and Text
#                Encoding Converter version 1.5.
# b02 1998-Aug-18 Encoding changed for Mac OS 8.5; change
#                mapping of 0xDB from CURRENCY SIGN to
```

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```
# EURO SIGN. Matches internal utom<b3>,
# ufrm<b3>.
# n08 1998-Feb-05 Minor update to header comments
# n06 1997-Dec-14 Add warning about future changes to 0xDB
# from CURRENCY SIGN to EURO SIGN. Clarify
# some header information
# n04 1997-Dec-01 Update to match internal utom<n3>, ufrm<n22>:
# Change standard mapping for 0xBD from U+2126
# to its canonical decomposition, U+03A9.
# n03 1995-Apr-15 First version (after fixing some typos).
# Matches internal ufrm<n9>.
#
# Standard header:
# -----
#
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# Unicode is a trademark of Unicode Inc. For the sake of brevity,
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# special, incidental, or consequential damages resulting from any
# defect or inaccuracy in this document or the included data.
#
# These mapping tables and character lists are subject to change.
# The latest tables should be available from the following:
#
# <http://www.unicode.org/Public/MAPPINGS/VENDORS/APPLE/>
#
# For general information about Mac OS encodings and these mapping
# tables, see the file "README.TXT".

file:
ext/standard/php_crypt_r.c

/*
 * License for the Unix md5crypt implementation (md5_crypt):
 *
 * -----
 *
 * "THE BEER-WARE LICENSE" (Revision 42):
 * <phk@login.dknet.dk> wrote this file. As long as you retain this
notice you
 * can do whatever you want with this stuff. If we meet some day, and you
think
 * this stuff is worth it, you can buy me a beer in return. Poul-Henning
Kamp
```

```

* -----
-----
*
* from FreeBSD: crypt.c,v 1.5 1996/10/14 08:34:02 phk Exp
* via OpenBSD: md5crypt.c,v 1.9 1997/07/23 20:58:27 kstailey Exp
* via NetBSD: md5crypt.c,v 1.4.2.1 2002/01/22 19:31:59 he Exp
*
*/

```

file:
ext/standard/strnatcmp.c

Modified for PHP by Andrei Zmievski <andrei@ispi.net>

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
Copyright (C) 2000 by Martin Pool <mbp@humbug.org.au>

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file:
ext/standard/scanf.c

```

/*
    scanf.c --

    This file contains the base code which implements sscanf and by
extension
    fscanf. Original code is from TCL8.3.0 and bears the following
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*/

file:
ext/random/engine_mt19937.c

Mersenne Twister random number generator -- a C++ class MTRand
Based on code by Makoto Matsumoto, Takuji Nishimura, and Shawn Cokus
Richard J. Wagner v1.0 15 May 2003 rjwagner@writeme.com

The Mersenne Twister is an algorithm for generating random numbers. It was designed with consideration of the flaws in various other generators. The period, $2^{19937}-1$, and the order of equidistribution, 623 dimensions, are far greater. The generator is also fast; it avoids multiplication and division, and it benefits from caches and pipelines. For more information see the inventors' web page at <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

Reference

M. Matsumoto and T. Nishimura, "Mersenne Twister: A 623-Dimensionally Equidistributed Uniform Pseudo-Random Number Generator", ACM Transactions on Modeling and Computer Simulation, Vol. 8, No. 1, January 1998, pp 3-30.

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file:

ext/standard/uuencode.c

```
/*
 * Portions of this code are based on Berkeley's uuencode/uudecode
 * implementation.
 *
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 */
```

file:

main/php_open_temporary_file.c

```

/* Loosely based on a tempnam() implementation by UCLA */

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 */

```

```

file:
main/reentrancy.c

```

```

/*
 * Copyright (c) 1998 Softweyr LLC.  All rights reserved.
 *
 * strtok_r, from Berkeley strtok
 * Oct 13, 1998 by Wes Peters <wes@softweyr.com>
 *
 * Copyright (c) 1988, 1993

```

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*/
```

```
file:
main/snprintf.c
```

```
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Zend/zend_ini_parser.c

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Zend/zend_strtod.c

Zend/zend_sort.c

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File: aclocal.m4 (only for ICU4C)
Section: pkg.m4 - Macros to locate and utilise pkg-config.

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```
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```

```
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```
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w'.
```

```
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```

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```

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```

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<signature of Ty Coon>, 1 April 1989
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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>

<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>

<http://www.w3.org/TR/xhtml1/DTD/xhtml-symbol.ent>

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```

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```
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Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
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```

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```
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```

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Phil Pearl,Mail::IMAPClient,3.43,"TOP-LEVEL copyright for Mail::IMAPClient

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```
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```

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Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>

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code posted to comp.lang.perl <3pd2lp\$6gf@wsinti07.win.tue.nl> by Hans Mulder <hansm@wsinti07.win.tue.nl>

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```

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```

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```

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"
```

```
Phillip Kruger,configsource-properties,3.0.1,"-----
-----
```

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Source Code

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<https://github.com/jakartaee/rest>

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javaee-api (7.0)

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six

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numpy

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

<https://gist.github.com/inneme/flf7821f07cf76504a97f6537c818083>

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Original algorithm for the implementation of `rk_interval` function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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```
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w'.
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under certain conditions; type `show c' for details.
```

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```
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

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```
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Perl
```

```
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```

```
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```

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```
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```

```
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```

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Additionally ""weaken"" and ""isweak"" which are

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-symbol.ent>

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```

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```

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at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
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hdr_histogram

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```
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```

```
linenoise
```

```
/* linenoise.c -- guerrilla line editing library against the idea that a
 * line editing lib needs to be 20,000 lines of C code.
```

```
 *
 * You can find the latest source code at:
 *
 *   http://github.com/antirez/linenoise
 *
 * Does a number of crazy assumptions that happen to be true in 99.9999%
of the 2010 UNIX computers around.
```

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 * -----
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redis/src/lzf_d.c
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```
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```

```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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<one line to give the program's name and a brief idea of what it does.>

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show
w'.
```

```
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.
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```

```
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```

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```
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program `Gnomovision' (a program to direct compilers to make passes
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```

```
<signature of Ty Coon>, 1 April 1989
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```
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"
```

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```

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program `Gnomovision' (a program to direct compilers to make passes
```

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The XS implementation uses code from metamail. Copyright 1991 Bell Communications Research, Inc. (Bellcore)

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Additionally ""weaken"" and ""isweak"" which are

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`Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.`

`Currently (October 2001), that's these three:`

`http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent
http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent
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```

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```
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```

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```

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Additionally ""weaken"" and ""isweak"" which are

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w'.
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```
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```

```
<signature of Ty Coon>, 1 April 1989
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jakarta.xml.bind-api

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Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

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# Jackson JSON processor
```

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and
has

been in development since 2007.

It is currently developed by a community of developers.

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* <https://code.google.com/p/jbzip2/>

This product contains a modified portion of 'libdivsufsort', a C API library to construct the suffix array and the Burrows-Wheeler transformed string for any input string of a constant-size alphabet written by Yuta Mori. It can be obtained at:

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* license/LICENSE.libdivsufsort.txt (MIT License)
* HOMEPAGE:
* <https://github.com/y-256/libdivsufsort>

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* HOMEPAGE:
* <https://github.com/JCTools/JCTools>

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* HOMEPAGE:
* <http://www.jcraft.com/jzlib/>

This product optionally depends on 'Compress-LZF', a Java library for encoding and decoding data in LZF format, written by Tatu Saloranta. It can be obtained at:

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* HOMEPAGE:
* <https://github.com/ning/compress>

This product optionally depends on 'lz4', a LZ4 Java compression and decompression library written by Adrien Grand. It can be obtained at:

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* HOMEPAGE:
* <https://github.com/jpountz/lz4-java>

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* HOMEPAGE:

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- * <https://github.com/jponge/lzma-java>

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- * HOMEPAGE:
 - * <https://github.com/luben/zstd-jni>

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- * HOMEPAGE:
 - * <https://code.google.com/p/jfastlz/>

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 - * <https://github.com/google/protobuf>

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 - * <https://github.com/google/snappy>

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- * <https://github.com/jboss-remoting/jboss-marshalling>

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- * <https://github.com/google/caliper>

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- * <https://commons.apache.org/logging/>

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- * HOMEPAGE:
- * <https://logging.apache.org/log4j/>

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- * HOMEPAGE:
- * <https://wiki.fasterxml.com/AaltoHome>

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- * HOMEPAGE:
- * <https://github.com/twitter/hpack>

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- * HOMEPAGE:
 - * <https://github.com/nghttp2/nghttp2/>

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 - * `license/LICENSE.commons-lang.txt` (Apache License 2.0)
- * HOMEPAGE:
 - * <https://commons.apache.org/proper/commons-lang/>

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- * HOMEPAGE:
 - * <https://github.com/takari/maven-wrapper>

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- * LICENSE:
 - * `license/LICENSE.dnsinfo.txt` (Apple Public Source License 2.0)
- * HOMEPAGE:
 - * <https://www.opensource.apple.com/source/configd/configd-453.19/dnsinfo/dnsinfo.h>

This product optionally depends on 'Brotli4j', Brotli compression and decompression for Java., which can be obtained at:

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- * HOMEPAGE:
 - * <https://github.com/hyperxpro/Brotli4j>

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--

FOURTH-PARTY DEPENDENCY #107 NAME : io.netty-netty-tcnative-boringssl-static-linux-aarch_64


```

FOURTH-PARTY DEPENDENCY #108 NAME : io.netty-netty-tcnative-boringssl-
static-linux-x86_64
FOURTH-PARTY DEPENDENCY #109 NAME : io.netty-netty-tcnative-boringssl-
static-osx-aarch_64
FOURTH-PARTY DEPENDENCY #110 NAME : io.netty-netty-tcnative-boringssl-
static-osx-x86_64
FOURTH-PARTY DEPENDENCY #111 NAME : io.netty-netty-tcnative-boringssl-
static-windows-x86_64
FOURTH-PARTY DEPENDENCY #112 NAME : io.netty-netty-tcnative-boringssl-
static
FOURTH-PARTY DEPENDENCY #113 NAME : io.netty-netty-tcnative-classes
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* https://svn.apache.org/repos/asf/tomcat/native/

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 - * <https://github.com/takari/maven-wrapper>

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- * HOMEPAGE:
 - * <https://ftp.netbsd.org/pub/NetBSD/NetBSD-current/src/crypto/external/bsd/openssl/dist>

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 - * <https://boringssl.googlesource.com/boringssl/>

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FOURTH-PARTY DEPENDENCY #114 NAME : io.opencensus-opencensus-api
FOURTH-PARTY DEPENDENCY #115 NAME : io.opencensus-opencensus-contrib-http-util
FOURTH-PARTY DEPENDENCY #116 NAME : io.opencensus-opencensus-proto
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FOURTH-PARTY DEPENDENCY #117 NAME : io.perfmark-perfmark-api
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* <https://github.com/Polymer/polymer>

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* HOMEPAGE:

* <https://asm.ow2.io/>

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FOURTH-PARTY DEPENDENCY #120 NAME : io.prometheus-simpleclient_caffeine

FOURTH-PARTY DEPENDENCY #121 NAME : io.prometheus-simpleclient_common

FOURTH-PARTY DEPENDENCY #122 NAME : io.prometheus-simpleclient_hotspot

FOURTH-PARTY DEPENDENCY #123 NAME : io.prometheus-simpleclient_httpserver

FOURTH-PARTY DEPENDENCY #124 NAME : io.prometheus-simpleclient_jetty

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FOURTH-PARTY DEPENDENCY #125 NAME : io.prometheus-simpleclient_log4j2
FOURTH-PARTY DEPENDENCY #126 NAME : io.prometheus-simpleclient_servlet
FOURTH-PARTY DEPENDENCY #127 NAME : io.prometheus-
simpleclient_servlet_common
FOURTH-PARTY DEPENDENCY #128 NAME : io.prometheus-
simpleclient_tracer_common
FOURTH-PARTY DEPENDENCY #129 NAME : io.prometheus-simpleclient_tracer_otel
FOURTH-PARTY DEPENDENCY #130 NAME : io.prometheus-
simpleclient_tracer_otel_agent
== License Type
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== NAME OF DEPENDENCY 131: io.reactivex.rxjava3-rxjava

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FOURTH-PARTY DEPENDENCY #132 NAME : io.swagger-swagger-annotations

FOURTH-PARTY DEPENDENCY #133 NAME : io.swagger-swagger-core

```
FOURTH-PARTY DEPENDENCY #134 NAME : io.swagger-swagger-models
== License Type
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FOURTH-PARTY DEPENDENCY #141 NAME : jakarta.activation-jakarta.activation-
api
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Source Code

The project maintains the following source code repositories:

The specification repository

The API repository

The TCK repository

Third-party Content

This project leverages the following third party content.

Test dependencies:

TestNG - Apache License 2.0

JCommander - Apache License 2.0

SnakeYAML - Apache License 2.0

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FOURTH-PARTY DEPENDENCY #146 NAME : javax.annotation-javax.annotation-api
FOURTH-PARTY DEPENDENCY #147 NAME : javax.servlet-javax.servlet-api
FOURTH-PARTY DEPENDENCY #148 NAME : javax.websocket-javax.websocket-
client-api
FOURTH-PARTY DEPENDENCY #149 NAME : javax.ws.rs-javax.ws.rs-api
FOURTH-PARTY DEPENDENCY #150 NAME : javax.xml.bind-jaxb-api
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Dhanji R. Prasanna
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== NAME OF DEPENDENCY 152: jline-jline

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bar.js
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loggraph/src/main/resources/webapp/org/apache/zookeeper/graph/resources/g.
dot.js
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FOURTH-PARTY DEPENDENCY #237 NAME : org.glassfish.hk2-hk2-utils
FOURTH-PARTY DEPENDENCY #238 NAME : org.glassfish.hk2-osgi-resource-locator
FOURTH-PARTY DEPENDENCY #239 NAME : org.glassfish.hk2.external-aopalliance-repackaged
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#02 org.lz4:lz4-java:jar
#03 org.xerial.snappy:snappy-java:jar
#04 org.osgi:org.osgi.core:jar
#04 org.slf4j:slf4j-api:jar

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== NAME OF DEPENDENCY 52: org.glassfish.hk2.external:jakarta.inject
== NAME OF DEPENDENCY 53: org.glassfish.hk2:guice-bridge
== NAME OF DEPENDENCY 54: org.glassfish.hk2:hk2-api
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== NAME OF DEPENDENCY 57: org.glassfish.hk2:osgi-resource-locator
== NAME OF DEPENDENCY 58: org.glassfish.jersey.containers:jersey-
container-servlet-core
== NAME OF DEPENDENCY 59: org.glassfish.jersey.core:jersey-client
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--
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```

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<HTML>
<HEAD>
<TITLE>Javassist License</TITLE>
<META http-equiv=Content-Type content="text/html; charset=iso-8859-1">
<META content="MSHTML 5.50.4916.2300" name=GENERATOR></HEAD>

<BODY text=#000000 vLink=#551a8b aLink=#ff0000 link=#0000ee
bgColor=#ffffff>
<CENTER><B><FONT size=+2>MOZILLA PUBLIC LICENSE</FONT></B> <BR><B>Version
1.1</B>
<P>
<HR width="20%">
</CENTER>
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and
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== NAME OF DEPENDENCY 75: org.jetbrains.kotlin:kotlinx-serialization-core-jvm


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code is governed by a BSD-style\n// license that can be found in the

LICENSE file.\n\npackage diff test\n\nnimport

```
(\n\t\""fmt\""\n\t\""math/rand\""\n\t\""strings\""\n\t\""testing\""\n\t\""
```

```

"github.com/google/safehtml/template\""\n\t""golang.org/x/tools/gopls/in
ternal/lsp/diff\""\n\t""golang.org/x/tools/internal/diff/difftest\""\n\t\
""golang.org/x/tools/gopls/internal/span\""\n)\n""
Copyright 2019 The Go Authors. All rights reserved.\n// Use of this source
code is governed by a BSD-style\n// license that can be found in the
LICENSE file.\n\npackage diff_test\n\nimport
(\n\t""fmt""\n\t""math/rand""\n\t""strings""\n\t""testing""\n\t\n\t\
""golang.org/x/tools/gopls/internal/lsp/diff\""\n\t""golang.org/x/tools/i
nternal/diff/difftest\""\n\t""golang.org/x/tools/gopls/internal/span\""\n
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BY THE COMMAND AT THE TOP; DO NOT EDIT\n\nfunc Sync() (err error) {\n\t_,
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- * <https://github.com/jponge/lzma-java>

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```

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```
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```

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```
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```

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```
http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent
http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent
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Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>
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Currently (October 2001), that's these three:

<http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>
<http://www.w3.org/TR/xhtml1/DTD/xhtml-symbol.ent>

-----separator-----

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Perl

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FOURTH-PARTY DEPENDENCY #15 Text::Wrap

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Perl (Part of base Perl distribution. License type is Perl)

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```
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w'.
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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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"
```

```
Tom Payne,go-geom,1.5.0," ----- Top-Level
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```
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-----

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erlang-lager/lager

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Yidong Fang last committed on Feb 19, 2012

Yidong Fang
Chris Nokleberg
Dave Hughes

== Repo link

https://github.com/fangyidong/json-simple/tree/tag_release_1_1_1

----- (separator) -----

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```
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at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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That's all there is to it!

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Yusuke Kamiyamane,Fugue Icons,3.5.6,"
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```
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```

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```
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```

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<signature of Ty Coon>, 1 April 1989
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```

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<http://www.w3.org/TR/xhtml1/DTD/xhtml1-lat1.ent>
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```

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óóóóóSEPERATORóóóóó-

4TH PARTY DEPENDENCY #1 io.jsonwebtoken:jjwt-api:jar:0.12.3

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#02 com.fasterxml.jackson.core.jackson-databind

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#03 com.fasterxml.jackson.core.jackson-annotations
#04 com.fasterxml.jackson.core.jackson-core
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```

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6# "io.netty:netty-common"
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== NAME OF DEPENDENCY 5

jakarta.inject-api

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