**OPEN SOURCE SOFTWARE NOTICE**

The open source software notice for the open source software used in this openEuler distribution (“openEuler distribution”) is provided in this document. The open source software licenses are granted by the respective right holders. With regard to the respective open source software contained in the openEuler distribution, the applicable open source software license will prevail all other license agreement, including but not limited to the openEuler Software License, in case of any conflicts.

**Warranty Disclaimer**

**THE OPEN SOURCE SOFTWARE IN THIS OPENEULER DISTRIBUTION IS PROVIDED ON AN "AS IS" BASIS, WITHOUT ANY WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.  
See the applicable licenses for more details.**

**Copyright Notice and License Texts**

Software: ukui-window-switch 4.10.1.10

**Copyright notice:**

Copyright 2022 KylinSoft Co., Ltd.  
copyright 2010 nokia corporation and/or its subsidiary(-ies)</td>  
Copyright (c) 2013 Digia Plc andor its subsidiary(-ies).  
copyright 2022 kylinsoft co., ltd.  
Copyright (c) 1991 Free Software Foundation, Inc.  
Copyright 2024 KylinSoft Co., Ltd.  
Copyright (c) 2013 Digia Plc and/or its subsidiary(-ies).

**License:** LGPL-2+

GNU LIBRARY GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.

51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

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

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

Preamble

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

This license, the Library General Public License, appliesto some specially designated Free Software Foundationsoftware, and to any other libraries whose authorsdecide 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 havethe freedom to distribute copies of free software (and charge forthis service if you wish), that you receive source code or can getit if you want it, that you can change the software or use pieces ofit in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbidanyone to deny you these rights or to ask you to surrender therights. These restrictions translate to certain responsibilities foryou if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratisor for a fee, you must give the recipients all the rights that wegave you. You must make sure that they, too, receive or can get thesource code. If you link a program with the library, you must providecomplete object files to the recipients so that they can relink themwith the library, after making changes to the library and recompilingit. And you must show them these terms so they know their rights.

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

Also, for each distributor's protection, we want to make certainthat everyone understands that there is no warranty for thisfree library. If the library is modified by someone else andpassed on, we want its recipients to know that what they haveis not the original version, so that any problems introduced byothers will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by softwarepatents. We wish to avoid the danger that companies distributingfree software will individually obtain patent licenses, thusin effect transforming the program into proprietary software.To prevent this, we have made it clear that any patent mustbe licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by theordinary GNU General Public License, which was designed for utilityprograms. This license, the GNU Library General Public License,applies to certain designated libraries. This license is quitedifferent from the ordinary one; be sure to read it in full, and don'tassume that anything in it is the same as in the ordinary license.

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

Because of this blurred distinction, using the ordinary GeneralPublic License for libraries did not effectively promote softwaresharing, because most developers did not use the libraries. Weconcluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive theusers of those programs of all benefit from the free status of thelibraries themselves. This Library General Public License is intendedto permit developers of non-free programs to use free libraries, whilepreserving your freedom as a user of such programs to change the freelibraries that are incorporated in them. (We have not seen how toachieve this as regards changes in header files, but we have achievedit as regards changes in the actual functions of the Library.) Thehope is that this will lead to faster development of free libraries.

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

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

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0.This License Agreement applies to any software librarywhich contains a notice placed by the copyright holder orother authorized party saying it may be distributed underthe terms of this Library General Public License (alsocalled "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or dataprepared so as to be conveniently linked with application programs(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or workwhich has been distributed under these terms. A "work based onthe Library" means either the Library or any derivative work undercopyright law: that is to say, a work containing the Library or aportion of it, either verbatim or with modifications and/or translatedstraightforwardly into another language. (Hereinafter, translationis included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the workfor making modifications to it. For a library, complete sourcecode means all the source code for all modules it contains,plus any associated interface definition files, plus the scriptsused to control compilation and installation of the library.

Activities other than copying, distribution and modification arenot covered by this License; they are outside its scope. The act ofrunning a program using the Library is not restricted, and outputfrom such a program is covered only if its contents constitute awork based on the Library (independent of the use of the Libraryin a tool for writing it). Whether that is true depends on whatthe Library does and what the program that uses the Library does.

1.You may copy and distribute verbatim copies of the Library's completesource code as you receive it, in any medium, provided that youconspicuously and appropriately publish on each copy an appropriatecopyright notice and disclaimer of warranty; keep intact all thenotices that refer to this License and to the absence of any warranty;and distribute a copy of this License along with the Library.

You may charge a fee for the physical act oftransferring a copy, and you may at your optionoffer warranty protection in exchange for a fee.

2.You may modify your copy or copies of the Library or any portionof it, thus forming a work based on the Library, and copy anddistribute such modifications or work under the terms of Section1 above, provided that you also meet all of these conditions:

a)The modified work must itself be a software library.

b)You must cause the files modified to carry prominent noticesstating that you changed the files and the date of any change.

c)You must cause the whole of the work to be licensed at nocharge to all third parties under the terms of this License.

d)If a facility in the modified Library refers to a functionor a table of data to be supplied by an application programthat uses the facility, other than as an argument passedwhen the facility is invoked, then you must make a good faitheffort to ensure that, in the event an application does notsupply such function or table, the facility still operates,and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square rootshas a purpose that is entirely well-defined independent ofthe application. Therefore, Subsection 2d requires that anyapplication-supplied function or table used by this functionmust be optional: if the application does not supply it,the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. Ifidentifiable sections of that work are not derived from theLibrary, and can be reasonably considered independent and separateworks in themselves, then this License, and its terms, do notapply to those sections when you distribute them as separateworks. But when you distribute the same sections as part of awhole which is a work based on the Library, the distributionof the whole must be on the terms of this License, whosepermissions for other licensees extend to the entire whole,and thus to each and every part regardless of who wrote it.

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

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

3.You may opt to apply the terms of the ordinary GNU GeneralPublic License instead of this License to a given copy of theLibrary. To do this, you must alter all the notices that referto this License, so that they refer to the ordinary GNU GeneralPublic License, version 2, instead of to this License. (If anewer version than version 2 of the ordinary GNU General PublicLicense has appeared, then you can specify that version insteadif you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible forthat copy, so the ordinary GNU General Public License applies toall subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of thecode of the Library into a program that is not a library.

4.You may copy and distribute the Library (or a portion or derivativeof it, under Section 2) in object code or executable form underthe terms of Sections 1 and 2 above provided that you accompanyit with the complete corresponding machine-readable source code,which must be distributed under the terms of Sections 1 and 2above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copyfrom a designated place, then offering equivalent access to copythe source code from the same place satisfies the requirementto distribute the source code, even though third parties arenot compelled to copy the source along with the object code.

5.A program that contains no derivative of any portion of theLibrary, but is designed to work with the Library by being compiledor linked with it, is called a "work that uses the Library".Such a work, in isolation, is not a derivative work of theLibrary, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Librarycreates an executable that is a derivative of the Library (becauseit contains portions of the Library), rather than a "work that usesthe library". The executable is therefore covered by this License.Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a headerfile that is part of the Library, the object code for the work maybe a derivative work of the Library even though the source code isnot. Whether this is true is especially significant if the work canbe linked without the Library, or if the work is itself a library.The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, datastructure layouts and accessors, and small macros and small inlinefunctions (ten lines or less in length), then the use of theobject file is unrestricted, regardless of whether it is legallya derivative work. (Executables containing this object codeplus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you maydistribute the object code for the work under the terms of Section6. Any executables containing that work also fall under Section 6,whether or not they are linked directly with the Library itself.

6.As an exception to the Sections above, you may also compile orlink a "work that uses the Library" with the Library to producea work containing portions of the Library, and distributethat work under terms of your choice, provided that the termspermit modification of the work for the customer's own useand reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the workthat the Library is used in it and that the Library and itsuse are covered by this License. You must supply a copy ofthis License. If the work during execution displays copyrightnotices, you must include the copyright notice for the Libraryamong them, as well as a reference directing the user to thecopy of this License. Also, you must do one of these things:

a)Accompany the work with the complete corresponding machine-readablesource code for the Library including whatever changes were used inthe work (which must be distributed under Sections 1 and 2 above);and, if the work is an executable linked with the Library, with thecomplete machine-readable "work that uses the Library", as objectcode and/or source code, so that the user can modify the Libraryand then relink to produce a modified executable containing themodified Library. (It is understood that the user who changes thecontents of definitions files in the Library will not necessarily beable to recompile the application to use the modified definitions.)

b)Accompany the work with a written offer, valid for atleast three years, to give the same user the materialsspecified in Subsection 6a, above, for a charge nomore than the cost of performing this distribution.

c)If distribution of the work is made by offering access tocopy from a designated place, offer equivalent access tocopy the above specified materials from the same place.

d)Verify that the user has already received a copy of thesematerials or that you have already sent this user a copy.

For an executable, the required form of the "work that usesthe Library" must include any data and utility programs neededfor reproducing the executable from it. However, as a specialexception, the source code distributed need not includeanything that is normally distributed (in either source orbinary form) with the major components (compiler, kernel,and so on) of the operating system on which the executableruns, unless that component itself accompanies the executable.

It may happen that this requirement contradicts thelicense restrictions of other proprietary libraries thatdo not normally accompany the operating system. Sucha contradiction means you cannot use both them and theLibrary together in an executable that you distribute.

7.You may place library facilities that are a work based on theLibrary side-by-side in a single library together with other libraryfacilities not covered by this License, and distribute such acombined library, provided that the separate distribution of thework based on the Library and of the other library facilities isotherwise permitted, and provided that you do these two things:

a)Accompany the combined library with a copy of the same work basedon the Library, uncombined with any other library facilities.This must be distributed under the terms of the Sections above.

b)Give prominent notice with the combined library of the factthat part of it is a work based on the Library, and explainingwhere to find the accompanying uncombined form of the same work.

8.You may not copy, modify, sublicense, link with, or distribute theLibrary except as expressly provided under this License. Any attemptotherwise to copy, modify, sublicense, link with, or distributethe Library is void, and will automatically terminate your rightsunder this License. However, parties who have received copies, orrights, from you under this License will not have their licensesterminated so long as such parties remain in full compliance.

9.You are not required to accept this License, since you havenot signed it. However, nothing else grants you permission tomodify or distribute the Library or its derivative works. Theseactions are prohibited by law if you do not accept this License.Therefore, by modifying or distributing the Library (or anywork based on the Library), you indicate your acceptance of thisLicense to do so, and all its terms and conditions for copying,distributing or modifying the Library or works based on it.

10.Each time you redistribute the Library (or any work based onthe Library), the recipient automatically receives a licensefrom the original licensor to copy, distribute, link with ormodify the Library subject to these terms and conditions. Youmay not impose any further restrictions on the recipients'exercise of the rights granted herein. You are not responsiblefor enforcing compliance by third parties to this License.

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

If any portion of this section is held invalid orunenforceable under any particular circumstance, thebalance of the section is intended to apply, and the sectionas a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringeany patents or other property right claims or to contestvalidity of any such claims; this section has the sole purposeof protecting the integrity of the free software distributionsystem which is implemented by public license practices. Manypeople have made generous contributions to the wide range ofsoftware distributed through that system in reliance on consistentapplication of that system; it is up to the author/donor todecide if he or she is willing to distribute software throughany other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what isbelieved to be a consequence of the rest of this License.

12.If the distribution and/or use of the Library is restricted incertain countries either by patents or by copyrighted interfaces,the original copyright holder who places the Library under thisLicense may add an explicit geographical distribution limitationexcluding those countries, so that distribution is permitted onlyin or among countries not thus excluded. In such case, this Licenseincorporates the limitation as if written in the body of this License.

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

Each version is given a distinguishing version number. Ifthe Library specifies a version number of this License whichapplies to it and "any later version", you have the option offollowing the terms and conditions either of that version or ofany later version published by the Free Software Foundation. Ifthe Library does not specify a license version number, you maychoose any version ever published by the Free Software Foundation.

14.If you wish to incorporate parts of the Library into other free programswhose distribution conditions are incompatible with these, write tothe author to ask for permission. For software which is copyrighted bythe Free Software Foundation, write to the Free Software Foundation; wesometimes make exceptions for this. Our decision will be guided by thetwo goals of preserving the free status of all derivatives of our freesoftware and of promoting the sharing and reuse of software generally.

NO WARRANTY

15.BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTYFOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPTWHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHERPARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND,EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THEIMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULARPURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OFTHE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOUASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16.IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITINGWILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/ORREDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FORDAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIALDAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY(INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDEREDINACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OFTHE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDEROR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatestpossible use to the public, we recommend making it free softwarethat everyone can redistribute and change. You can do so bypermitting redistribution under these terms (or, alternatively,under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to thelibrary. It is safest to attach them to the start of eachsource file to most effectively convey the exclusion ofwarranty; and each file should have at least the "copyright"line and a pointer to where the full notice is found.

one line to give the library's nameand an idea of what it does.

Copyright (C) year name of author

This library is free software; you can redistribute it and/ormodify it under the terms of the GNU Library General PublicLicense as published by the Free Software Foundation; eitherversion 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,but WITHOUT ANY WARRANTY; without even the implied warrantyof MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. Seethe GNU Library General Public License for more details.

You should have received a copy of the GNU LibraryGeneral Public License along with this library; ifnot, write to the Free Software Foundation, Inc., 51Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

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

Yoyodyne, Inc., hereby disclaims all copyright interest in

the library `Frob' (a library for tweaking knobs) written

by James Random Hacker.

signature of Ty Coon, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

**Written Offer**

This openEuler distribution may contain certain software whose rights holders license it on the terms of the GNU General Public License, version 2 (GPLv2) or other open source software licenses which require us to release corresponding source code. We will provide you and any third party with corresponding source code required under applicable open source software license through the repository: https://gitee.com/src-openeuler/. You can access and obtain corresponding source code by searching the aforementioned repository using package name and tag.

This offer is valid to anyone in receipt of this information.

**THIS OFFER IS VALID FOR THREE YEARS FROM THE MOMENT WE DISTRIBUTED THIS OPENEULER DISTRIBUTION .**