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\* stdio.c

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The full text of the GNU GENERAL PUBLIC LICENSE Version 2 is included below.

# libseccomp 2.5.3

#### LGPL-2.1-only

Home page: <a href="https://github.com/seccomp/libseccomp">https://github.com/seccomp/libseccomp</a>

Download: git://github.com/seccomp/libseccomp.git;branch=release-2.5;protocol=https

A copy of LGPL-2.1 license is appended to the end of this document for reference.

# libubootenv 0.3.2

#### LGPL-2.1-only

Home page: <a href="https://github.com/sbabic/libubootenv">https://github.com/sbabic/libubootenv</a>

Download: git://github.com/sbabic/libubootenv;protocol=https;branch=master

A copy of LGPL-2.1 license is appended to the end of this document for reference.

# linux-imx 5.15.71

#### GPL-2.0-only

Home page: https://github.com/nxp-imx/linux-imx

Download: <a href="https://github.com/nxp-imx/linux-imx.git">https://github.com/nxp-imx/linux-imx.git</a>

#### License text:

```
The Linux Kernel is provided under:

SPDX-License-Identifier: GPL-2.0 WITH Linux-syscall-note

Being under the terms of the GNU General Public License version 2 only, according with:

LICENSES/preferred/GPL-2.0

With an explicit syscall exception, as stated at:

LICENSES/exceptions/Linux-syscall-note

In addition, other licenses may also apply. Please see:

Documentation/process/license-rules.rst

for more details.

All contributions to the Linux Kernel are subject to this COPYING file.
```

#### LICENSES/exceptions/Linux-syscall-note:

```
SPDX-Exception-Identifier: Linux-syscall-note
SPDX-URL: https://spdx.org/licenses/Linux-syscall-note.html
SPDX-Licenses: GPL-2.0, GPL-2.0+, GPL-1.0+, LGPL-2.0, LGPL-2.0+, LGPL-2.1+, LGPL-2.1+, GPL-2.1+
2.0-only, GPL-2.0-or-later
Usage-Guide:
This exception is used together with one of the above SPDX-Licenses
to mark user space API (uapi) header files so they can be included
into non GPL compliant user space application code.
To use this exception add it with the keyword WITH to one of the
identifiers in the SPDX-Licenses tag:
SPDX-License-Identifier: <SPDX-License> WITH Linux-syscall-note License-
NOTE! This copyright does *not* cover user programs that use kernel
services by normal system calls - this is merely considered normal use
of the kernel, and does *not* fall under the heading of "derived work".
Also note that the GPL below is copyrighted by the Free Software
Foundation, but the instance of code that it refers to (the Linux
kernel) is copyrighted by me and others who actually wrote it.
Also note that the only valid version of the GPL as far as the kernel
is concerned is _this_ particular version of the license (ie v2, not
v2.2 or v3.x or whatever), unless explicitly otherwise stated.
```

#### Documentation/process/license-rules.rst:

Linus Torvalds

- .. SPDX-License-Identifier: GPL-2.0
- .. kernel licensing:

# Linux kernel licensing rules

The Linux Kernel is provided under the terms of the GNU General Public License version 2 only (GPL-2.0), as provided in LICENSES/preferred/GPL-2.0, with an explicit syscall exception described in LICENSES/exceptions/Linux-syscall-note, as described in the COPYING file.

This documentation file provides a description of how each source file should be annotated to make its license clear and unambiguous. It doesn't replace the Kernel's license.

The license described in the COPYING file applies to the kernel source as a whole, though individual source files can have a different license which is required to be compatible with the GPL-2.0::

GPL-1.0+: GNU General Public License v1.0 or later GPL-2.0+: GNU General Public License v2.0 or later LGPL-2.0: GNU Library General Public License v2 only LGPL-2.0+: GNU Library General Public License v2 or later LGPL-2.1: GNU Lesser General Public License v2.1 only LGPL-2.1+: GNU Lesser General Public License v2.1 or later

Aside from that, individual files can be provided under a dual license, e.g. one of the compatible GPL variants and alternatively under a permissive license like BSD, MIT etc.

The User-space API (UAPI) header files, which describe the interface of user-space programs to the kernel are a special case. According to the note in the kernel COPYING file, the syscall interface is a clear boundary, which does not extend the GPL requirements to any software which uses it to communicate with the kernel. Because the UAPI headers must be includable into any source files which create an executable running on the Linux kernel, the exception must be documented by a special license expression.

The common way of expressing the license of a source file is to add the matching boilerplate text into the top comment of the file. Due to formatting, typos etc. these "boilerplates" are hard to validate for tools which are used in the context of license compliance.

An alternative to boilerplate text is the use of Software Package Data Exchange (SPDX) license identifiers in each source file. SPDX license identifiers are machine parsable and precise shorthands for the license under which the content of the file is contributed. SPDX license identifiers are managed by the SPDX Workgroup at the Linux Foundation and have been agreed on by partners throughout the industry, tool vendors, and legal teams. For further information see https://spdx.org/

The Linux kernel requires the precise SPDX identifier in all source files. The valid identifiers used in the kernel are explained in the section `License identifiers`\_ and have been retrieved from the official SPDX license list at https://spdx.org/licenses/ along with the license texts.

License identifier syntax

#### 1. Placement:

The SPDX license identifier in kernel files shall be added at the first possible line in a file which can contain a comment. For the majority of files this is the first line, except for scripts which require the

```
'#!PATH TO INTERPRETER' in the first line. For those scripts the SPDX
identifier goes into the second line.
2. Style:
The SPDX license identifier is added in form of a comment. The comment
style depends on the file type::
C source: // SPDX-License-Identifier: <SPDX License Expression>
C header: /* SPDX-License-Identifier: <SPDX License Expression> */
ASM: /* SPDX-License-Identifier: <SPDX License Expression> */
scripts: # SPDX-License-Identifier: <SPDX License</pre>
Expression> .rst: .. SPDX-License-Identifier: <SPDX License
Expression>
.dts{i}: // SPDX-License-Identifier: <SPDX License Expression>
If a specific tool cannot handle the standard comment style, then the
appropriate comment mechanism which the tool accepts shall be used. This
is the reason for having the "/\* \*/" style comment in C header files.
There was build breakage observed with generated .lds files where 'ld'
failed to parse the C++ comment. This has been fixed by now, but there
are still older assembler tools which cannot handle C++ style comments.
3. Syntax:
A <SPDX License Expression> is either an SPDX short form license
identifier found on the SPDX License List, or the combination of two
SPDX short form license identifiers separated by "WITH" when a license
exception applies. When multiple licenses apply, an expression consists
of keywords "AND", "OR" separating sub-expressions and surrounded by
"(", ")" .
License identifiers for licenses like [L]GPL with the 'or later' option
are constructed by using a "+" for indicating the 'or later' option .::
// SPDX-License-Identifier: GPL-2.0+
// SPDX-License-Identifier: LGPL-2.1+
WITH should be used when there is a modifier to a license needed.
For example, the linux kernel UAPI files use the expression::
// SPDX-License-Identifier: GPL-2.0 WITH Linux-syscall-note
// SPDX-License-Identifier: GPL-2.0+ WITH Linux-syscall-note
Other examples using WITH exceptions found in the kernel are:: //
SPDX-License-Identifier: GPL-2.0 WITH mif-exception
// SPDX-License-Identifier: GPL-2.0+ WITH GCC-exception-2.0
Exceptions can only be used with particular License identifiers. The
valid License identifiers are listed in the tags of the exception text
file. For details see the point `Exceptions` in the chapter `License
identifiers`.
OR should be used if the file is dual licensed and only one license is
to be selected. For example, some dtsi files are available under dual
// SPDX-License-Identifier: GPL-2.0 OR BSD-3-Clause
```

Examples from the kernel for license expressions in dual licensed files::

The licenses currently used, as well as the licenses for code added to the kernel, can be broken down into:

#### 1. `Preferred licenses`:

Whenever possible these licenses should be used as they are known to be fully compatible and widely used. These licenses are available from the directory:: LICENSES/preferred/ in the kernel source tree.

The files in this directory contain the full license text and `Metatags`\_. The file names are identical to the SPDX license identifier which shall be used for the license in source files.

#### Examples::

LICENSES/preferred/GPL-2.0

Contains the GPL version 2 license text and the required metatags::

LICENSES/preferred/MIT

Contains the MIT license text and the required metatags

#### `Metatags`:

The following meta tags must be available in a license file:

#### - Valid-License-Identifier:

One or more lines which declare which License Identifiers are valid inside the project to reference this particular license text. Usually this is a single valid identifier, but e.g. for licenses with the 'or later' options two identifiers are valid.

#### - SPDX-URL:

The URL of the SPDX page which contains additional information related to the license.

#### - Usage-Guidance:

Freeform text for usage advice. The text must include correct examples for the SPDX license identifiers as they should be put into source

```
files according to the `License identifier syntax` guidelines. -
License-Text:
All text after this tag is treated as the original license text
File format examples::
Valid-License-Identifier: GPL-2.0
Valid-License-Identifier: GPL-2.0+
SPDX-URL: https://spdx.org/licenses/GPL-2.0.html
Usage-Guide:
To use this license in source code, put one of the following SPDX
tag/value pairs into a comment according to the placement
guidelines in the licensing rules documentation. For 'GNU General
Public License (GPL) version 2 only' use:
SPDX-License-Identifier: GPL-2.0
For 'GNU General Public License (GPL) version 2 or any later version' use: SPDX-License-
Identifier: GPL-2.0+
License-Text:
Full license text
::
SPDX-License-Identifier: MIT
SPDX-URL: https://spdx.org/licenses/MIT.html
Usage-Guide:
To use this license in source code, put the following SPDX
tag/value pair into a comment according to the placement
guidelines in the licensing rules documentation. SPDX-License-
Identifier: MIT
License-Text:
Full license text
2. Deprecated licenses:
These licenses should only be used for existing code or for importing
code from a different project. These licenses are available from the
directory:: LICENSES/deprecated/ in the kernel source tree.
The files in this directory contain the full license text and
`Metatags` . The file names are identical to the SPDX license identifier
which shall be used for the license in source files.
Examples::
LICENSES/deprecated/ISC
Contains the Internet Systems Consortium license text and the required
metatags::
LICENSES/deprecated/GPL-1.0
Contains the GPL version 1 license text and the required metatags.
Metatags:
The metatag requirements for 'other' licenses are identical to the
requirements of the `Preferred licenses` .
File format example::
Valid-License-Identifier: ISC
SPDX-URL: https://spdx.org/licenses/ISC.html
```

```
Usage-Guide:
```

Usage of this license in the kernel for new code is discouraged and it should solely be used for importing code from an already existing project.

To use this license in source code, put the following SPDX tag/value pair into a comment according to the placement guidelines in the licensing rules documentation. SPDX-License-Identifier: ISC License-Text:
Full license text

.

#### 3. Dual Licensing Only

These licenses should only be used to dual license code with another license in addition to a preferred license. These licenses are available from the directory:: LICENSES/dual/ in the kernel source tree.

The files in this directory contain the full license text and `Metatags`\_. The file names are identical to the SPDX license identifier which shall be used for the license in source files.

Examples::

LICENSES/dual/MPL-1.1

Contains the Mozilla Public License version 1.1 license text and the required metatags::

LICENSES/dual/Apache-2.0

Contains the Apache License version 2.0 license text and the required metatags. Metatags:

The metatag requirements for 'other' licenses are identical to the requirements of the `Preferred licenses`\_.

File format example::

Valid-License-Identifier: MPL-1.1

SPDX-URL: https://spdx.org/licenses/MPL-1.1.html

Usage-Guide:

Do NOT use. The MPL-1.1 is not GPL2 compatible. It may only be used for dual-licensed files where the other license is GPL2 compatible. If you end up using this it MUST be used together with a GPL2 compatible license using "OR".

To use the Mozilla Public License version 1.1 put the following SPDX tag/value pair into a comment according to the placement guidelines in the licensing rules documentation: SPDX-License-Identifier: MPL-1.1 License-Text:

Full license text

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### 4. `Exceptions`:

Some licenses can be amended with exceptions which grant certain rights which the original license does not. These exceptions are available from the directory:: LICENSES/exceptions/

in the kernel source tree. The files in this directory contain the full exception text and the required `Exception Metatags` .

Examples::

LICENSES/exceptions/Linux-syscall-note

Contains the Linux syscall exception as documented in the COPYING file of the Linux kernel, which is used for UAPI header files. e.g. //\* SPDX-License-Identifier: GPL-2.0 WITH Linux-syscall-note \\*/::

LICENSES/exceptions/GCC-exception-2.0

Contains the GCC 'linking exception' which allows to link any binary independent of its license against the compiled version of a file marked with this exception. This is required for creating runnable executables from source code which is not compatible with the GPL.

`Exception Metatags`:

The following meta tags must be available in an exception file:

- SPDX-Exception-Identifier:

One exception identifier which can be used with  $\ensuremath{\mathsf{SPDX}}$  license identifiers.

- SPDX-URL:

The URL of the SPDX page which contains additional information related to the exception.

- SPDX-Licenses:

A comma separated list of SPDX license identifiers for which the exception can be used.  $\,$ 

- Usage-Guidance:

Freeform text for usage advice. The text must be followed by correct examples for the SPDX license identifiers as they should be put into source files according to the `License identifier syntax`\_ guidelines. - Exception-Text:

All text after this tag is treated as the original exception text

File format examples::

SPDX-Exception-Identifier: Linux-syscall-note SPDX-URL: https://spdx.org/licenses/Linux-syscall-note.html SPDX-Licenses: GPL-2.0, GPL-2.0+, GPL-1.0+, LGPL-2.0, LGPL-2.0+, LGPL-2.1+ Usage-Guidance:

This exception is used together with one of the above SPDX-Licenses to mark user-space API (uapi) header files so they can be included into non GPL compliant user-space application code.

To use this exception add it with the keyword WITH to one of the identifiers in the SPDX-Licenses tag:

SPDX-License-Identifier: <SPDX-License> WITH Linux-syscall-note
Exception-Text:

Full exception text

::

SPDX-Exception-Identifier: GCC-exception-2.0 SPDX-URL: https://spdx.org/licenses/GCC-exception-2.0.html SPDX-Licenses: GPL-2.0, GPL-2.0+

Usage-Guidance:

The "GCC Runtime Library exception 2.0" is used together with one of the above SPDX-Licenses for code imported from the GCC runtime library.

To use this exception add it with the keyword WITH to one of the identifiers in the SPDX-Licenses tag:

SPDX-License-Identifier: <SPDX-License> WITH GCC-exception-2.0

Exception-Text:
Full exception text

All SPDX license identifiers and exceptions must have a corresponding file in the LICENSES subdirectories. This is required to allow tool verification (e.g. checkpatch.pl) and to have the licenses ready to read and extract right from the source, which is recommended by various FOSS organizations, e.g. the `FSFE REUSE initiative <a href="https://reuse.software/">https://reuse.software/</a>.

\_`MODULE\_LICENSE`

Loadable kernel modules also require a MODULE\_LICENSE() tag. This tag is neither a replacement for proper source code license information (SPDX-License-Identifier) nor in any way relevant for expressing or determining the exact license under which the source code of the module is provided.

The sole purpose of this tag is to provide sufficient information whether the module is free software or proprietary for the kernel module loader and for user space tools.

The valid license strings for MODULE LICENSE() are:

\_\_\_\_\_\_

"GPL" Module is licensed under GPL version 2. This does not express any distinction between GPL-2.0-only or GPL-2.0-or-later. The exact license information can only be determined via the license information in the corresponding source files.

"GPL v2" Same as "GPL". It exists for historic reasons.

"GPL and additional rights" Historical variant of expressing that the module source is dual licensed under a GPL v2 variant and MIT license. Please do not use in new code.

"Dual MIT/GPL" The correct way of expressing that the module is dual licensed under a GPL v2 variant or MIT license choice.

"Dual BSD/GPL" The module is dual licensed under a GPL v2 variant or BSD license choice. The exact variant of the BSD license can only be determined via the license information in the corresponding source files.

"Dual MPL/GPL" The module is dual licensed under a GPL v2 variant or Mozilla Public License (MPL) choice. The exact variant of the MPL license can only be determined via the license information in the corresponding source files.

"Proprietary" The module is under a proprietary license. This string is solely for proprietary third party modules and cannot be used for modules which have their source code in the kernel tree. Modules tagged that way are tainting the kernel with the 'P' flag when loaded and the kernel module loader refuses to link such modules against symbols which are exported with EXPORT SYMBOL GPL().

\_\_\_\_\_\_

## lpwr-int 0.1

#### GPLv2

Home page: NOASSERTION

Download: NOASSERTION

A copy of GPL-2.0 license is appended to the end of this document for reference.

## Irzsz 0. 12.20

#### GPL-2.0-or-later

Home page: http://www.ohse.de/uwe/software/lrzsz.html

Download: http://www.ohse.de/uwe/releases/lrzsz-0.12.20.tar.gz

A copy of the GPL-2.0 license is appended to the end of this document for reference.

## Isof 4.94.0

### Spencer-94

Home page: http://people.freebsd.org/~abe/

Download: git://github.com/lsof-org/lsof;branch=master;protocol=https

#### License text:

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```
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Indiana 47907. All rights reserved.
Written by Victor A. Abell
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Purdue University must appear in documentation
and sources.
3. Altered versions must be plainly marked as such, and must
not be misrepresented as being the original software.
4. This notice may not be removed or altered.
```

## memtester 4.5.1

### **GPL-2.0-only**

Home page: <a href="http://pyropus.ca/software/memtester/">http://pyropus.ca/software/memtester/</a>

Download: <a href="http://pyropus.ca/software/memtester/old-versions/memtester-4.5.1.tar.gz">http://pyropus.ca/software/memtester/old-versions/memtester-4.5.1.tar.gz</a>

A copy of GPL-2.0 license is appended to the end of this document for reference.

## mmc-utils 0.1

### GPL-2.0-only

Home page: http://git.kernel.org/cgit/linux/kernel/git/cjb/mmc-utils.git/

Download: git://git.kernel.org/pub/scm/linux/kernel/git/cjb/mmcutils.git;branch=master

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```
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* You should have received a copy of the GNU General Public
* License along with this program; if not, write to the
* Free Software Foundation, Inc., 59 Temple Place - Suite 330,* Boston, MA 021110-1307,
USA.

* Modified to add field firmware update support,
* those modifications are Copyright (c) 2016 SanDisk Corp.*

* (This code is based on btrfs-progs/btrfs.c.)
```

## mtd-utils 2.1.4

### GPL-2.0-or-later

Home page: http://www.linux-mtd.infradead.org/

Download: git://git.infradead.org/mtd-utils.git;branch=master

A copy of GPL-2.0 license is appended to the end of this document for reference.

#### License text:

```
* Copyright (c) Artem Bityutskiy, 2007, 2008

* 

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* 

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* 

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* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
```

### nano 6.2

### GPL-3.0-only

Home page: http://www.nano-editor.org/

Download: https://nano-editor.org/dist/v6/nano-6.2.tar.xz

A copy of GPL-3.0 license is appended to the end of this document for reference.

### ncurses 6.3.20220423

#### MIT

Home page: http://www.gnu.org/software/ncurses/ncurses.html

#### Download:

git://salsa.debian.org/debian/ncurses.git;protocol=https;branch=master

#### License text:

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### net-snmp 5.9.3

#### **BSD-3-Clause & MIT**

Home page: http://www.net-snmp.org/

Download: https://downloads.sourceforge.net/net-snmp/net-snmp-5.9.3.tar.gz

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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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Release Derived Year Owner GPLfrom compatible? (1)

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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

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Julian Seward, Cambridge, UK. jseward@bzip.org bzip2/libbzip2 version 1.0.4 of 20 December 2006

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