

Testing of Fossology audit part of All Scenarios OS automated toolchain for IP compliance

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Introduction

This document lists a set of improvement areas in the automated toolchain for license compliance, from the standpoint of the Fossology audit team, in the All Scenarios OS project. We have collected some examples from Fossology that shows some of the issues with the current implementation and they are organized under various categories.

1. Import of wrong license decision

The following examples from the uploaded components in Fossology, shows cases, where wrong licenses are imported and decided as licenses for files, by the compliance automation tools. One general solution to this problem could be to introduce one more source of truth, like the copyright file from Fedora, e.g., or to have an additional check point where a decision is made only if there is a license match with the findings of nomos or monk agents of Fossology, for a file.

The following image shows a case where there is a reference to GPL-3.0-or-later in the file. However, the compliance automation has imported a decision of GPL-2.0-or-later.

fossology Home Search Browse Upload Jobs Organize Admin Help

Change concluded License

Folder: Software Repository/ aliensrc/ attr@2.4.48-r0-f517331e/attr-2.4.48.tar.gz/attr-2.4.48/build-aux/config.sub

One-Shot Copyright/Email/URL | One-Shot License | Software Heritage | License Browser | File Browser | Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spashit | Hex | Text | Formatted | Refresh

Close Cleared: 120/120 Hide Legend

#!/bin/sh
Configuration validation subroutine script.
Copyright 1992-2018 Free Software Foundation, Inc.
timestamp='2018-01-01'
This file is free software; you can redistribute it and/or modify it
under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 3 of the License, or
(at your option) any later version.
This program is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
General Public License for more details.
You should have received a copy of the GNU General Public License
along with this program; if not, see <<https://www.gnu.org/licenses/>>.
As a special exception to the GNU General Public License, if you
distribute this file as part of a program that contains a
configuration script generated by Autconf, you may include it under
the same distribution terms that you use for the rest of that
program. This exception is an additional permission under section 7
of the GNU General Public License, version 3 ("GPLv3").
Please send patches to <config-patches@gnu.org>.
Configuration subroutine to validate and canonicalize a configuration type.
Supply the specified configuration type as an argument.
If it is invalid, we print an error message on stderr and exit with code 1.
Otherwise, we print the canonical config type on stdout and succeed.
You can get the latest version of this script from:
https://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.sub
This file is supposed to be the same for all GNU packages
and recognize all the CPU types, system types and aliases
that are meaningful with *any* GNU software.
Each package is responsible for reporting which valid configurations
it does not support. The user should be able to distinguish

Clearing decision type
 Go through all files
 Go through all files with licenses
 Go through all files with licenses and no clearing result

Clearing decision scope
 Apply decision to all future occurrences of this file

Action **License** **Source** **License Text** **Acknowledgement**

X ★	GPL-3.0-or-later	reportImport: ,	Click to add	Click to add
X ★	GPL-2.0-or-later	reportImport: ,	Click to add	1293...
X ★	scancode-autoconf-simple-exception	reportImport: ,	Click to add	Click to add
X ★	Autoconf-exception	nomos: #1	Click to add	Click to add
X ★	scancode-free-unknown	reportImport: ,	Click to add	Click to add
X ★	GPL-3.0+	nomos: #1 reportImport: ,	Click to add	Click to add

Showng 1 to 6 of 6 entries

User Decision ... Bulk Recognition ... Clearing History ...

Legend: license relevant text

The following image shows a case where the license, LGPL-2.1-or-later, with weak copyleft effect, is imported and a decision is made on a file that has only a simple notice from the Free Software Foundation.

fossology Home Search Browse Upload Jobs Organize Admin Help

Change concluded License

Folder: Software Repository/ aliensrc/ alsa-lib@1.2.1.2-r0-66c86f4/alsa-lib-1.2.1.2.tar.bz2/alsa-lib-1.2.1.2/m4/ltoptions.m4

One-Shot Copyright/Email/URL | One-Shot License | Software Heritage | License Browser | File Browser | Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spashit | Hex | Text | Formatted | Refresh

Close Cleared: 391/391 Hide Legend

Helper functions for option handling. -*- Autoconf -*-
Copyright (C) 2004-2005, 2007-2009, 2011-2015 Free Software
Foundation, Inc.
Written by Gary V. Vaughan, 2004
This file is free software; the Free Software Foundation gives
unlimited permission to copy and/or distribute it, with or without
modifications, as long as this notice is preserved.
serial 8 ltoptions.m4
This is to help alocal find these macros, as it can't see m4_define.
AC_DEFUN([LT_OPTIONS_VERSION], [m4_ifdef([LT_OPTION], [m4_bpatsub(\$1\$_\$2, [^a-zA-Z0-9_], [__])])
_LT_MANGLE_OPTION(MACRO-NAME, OPTION-NAME)

m4_define([_LT_MANGLE_OPTION], [\$_LT_OPTION_]m4_bpatsub(\$1\$_\$2, [^a-zA-Z0-9_], [__]))
_LT_SET_OPTION(MACRO-NAME, OPTION-NAME)

Set option OPTION-NAME for macro MACRO-NAME, and if there is a
matching handler defined, dispatch to it. Other OPTION-NAMES are
saved as a flag.
m4_define([_LT_SET_OPTION], [m4_ifdef([_LT_MANGLE_OPTION(\$1, \$2)])dnl
m4_ifdef([_LT_MANGLE_DEFUN(\$1, \$2)],
_LT_MANGLE_DEFUN(\$1, \$2)),
[m4_warning([Unknown \$1 option '\$2'])]]dnl
])
_LT_IF_OPTION(MACRO-NAME, OPTION-NAME, IF-SET, [IF-NOT-SET])

Execute IF-SET if OPTION is set, IF-NOT-SET otherwise.
m4_define([_LT_IF_OPTION], [m4_ifdef([_LT_MANGLE_OPTION(\$1, \$2), [\$3, \$4]])])

Clearing decision type
 No license known
 To be discussed
 Do not use
 Irrelevant
 Identified

Action **License** **Source**

X ★	MIT-1	reportImport: ,
X ★	FreeSoftware	reportImport: ,
X ★	GPL-3.0-or-later	reportImport: ,
X ★	LGPL-2.1-only	reportImport: ,
X ★	LGPL-2.1-or-later	reportImport: ,
X ★	LGPL-2.1-or-later	reportImport: ,
X ★	GPL-2.0-or-later	reportImport: ,
X ★	X11	reportImport: ,
X ★	FSFULLR	reportImport: , monk: #1 (82 %)
X ★	curl	reportImport: ,
X ★	Dual-license	reportImport: ,
X ★	FSF	reportImport: ,
X ★	AFL-2.1	reportImport: ,
X ★	MIT	reportImport: ,

Showng 1 to 15 of 15 entries

User Decision ... Bulk Recognition ... Clearing History ...

Legend: license relevant text

The following are some more examples of import of wrong license decisions.

fossology Home Search Browse Upload Jobs Organize Admin Help

Change concluded License

User: rahulmohang Group: fossy

Folder: Software Repository/ aliensrc/ linux-intel:5.10.1+gitAUTOINC+47c7a3148a_b8dd2066fa-r0-65763156/github.com.intel.linux-intel-lts.git@b8dd2066.tar.xz/crypto/crct10dif_common.c

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Close Cleared: 71524/71671 Hide Legend

/*
 * Cryptographic API.
 *
 * T10 Data Integrity Field CRC16 Crypto Transform
 *
 * Copyright (C) 2007 Oracle Corporation. All rights reserved.
 * Written by Martin K. Petersen <martin.petersen@oracle.com>
 * Copyright (C) 2013 Intel Corporation
 * Author: Tim Chen <tian.g.chen@linux.intel.com>
 *
 * This program is free software; you can redistribute it and/or modify it
 * under the terms of the GNU General Public License as published by the Free
 * Software Foundation; either version 2 of the License, or (at your option)
 * any later version.
 *
 * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
 * EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
 * MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
 * NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS
 * BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN
 * ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
 * CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
 * SOFTWARE.
 */

#include <linux/crc-t10dif.h>
#include <linux/module.h>
#include <linux/kernel.h>

/* Table generated using the following polynom:
 * x^16 + x^15 + x^11 + x^9 + x^8 + x^7 + x^5 + x^4 + x^2 + x + 1
 * + git 0xbabb7

static const __u16 t10_dif_crc_table[256] = {
0x0000, 0xBBB7, 0x9CD9, 0x176E, 0xB205, 0x39B2, 0x2EDC, 0xA56B,
0xEFBD, 0xE640, 0x7364, 0xFBD3, 0x5D88, 0xD60F, 0xC161, 0x4AD6,
0x54CD, 0xDF7A, 0x8C14, 0x43A3, 0x6FC8, 0x6D7F, 0x7A11, 0xF1A6,
0xB7B0, 0x30C7, 0x27A9, 0xAC1E, 0x975, 0x82C2, 0x95CA, 0x1E1B,
0xA99A, 0x222D, 0x3543, 0xBEF4, 0x1B9F, 0x9028, 0x8746, 0x0CFC1,
0x4627, 0xCD90, 0xDAFE, 0x5149, 0xF422, 0x7F95, 0x68FB, 0x3E3C,
0xD57, 0x76E0, 0x618E, 0xEA39, 0x4F52, 0xC4E5, 0xD38B, 0x583C,

Legend: license relevant text

Clearing decision type
 Go through all files
 Go through all files with licenses
 Go through all files with licenses and no clearing result

Clearing decision scope
 Apply decision to all future occurrences of this file

Action License Source License Text Acknowledgement Comment

X ★	GPL-2.0-only	reportImport:	Click to add	1893...	Click to add
X ★	GPL-2.0-or-later	reportImport:	Click to add	Click to add	Click to add
X ★	MIT-style	nomos	Click to add	Click to add	Click to add
X ★	GPL-2.0+	nomos: #1	Click to add	Click to add	Click to add

Showing 1 to 4 of 4 entries

User Decision ... Bulk Recognition ... Clearing History ...

https://192.168.80.251/repo/?mod=view-license&upload=300&item=1028055

Getting Started @solda json - master - OSS Co... Forum OSTC OSTC / planning / IP C... Fossology production ... ort/getting-started.m... IP Compliance (Audit) ... Overview - OpenProject Other Bookmarks

fossology Home Search Browse Upload Jobs Organize Admin Help

Change concluded License

User: rahulmohang Group: fossy

Folder: Software Repository/ aliensrc/ acl@2.2.53-r0-7534b2a7/acl-2.2.53.tar.gz/acl-2.2.53/libacl/acl_set_fd.c

One-Shot Copyright/Email/URL | One-Shot License | Software Heritage • License Browser | File Browser • Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spash | Hex | Text | Formatted • Refresh

Close Cleared: 232/232 Hide Legend

/* File: acl_set_fd.c

Copyright (C) 1999, 2000
Andreas Gruenbacher, <a.gruenbacher@bestbits.at>

This program is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
*/

#include <config.h>
#include <unistd.h>
#include <sys/xattr.h>
#include <libacl.h>
#include " __acl_to_xattr.h"

#include "bytorder.h"
#include "ad_ea.h"

/* 23.4.21 */
int
acl_set_fd(int fd, acl_t acl)
{
 acl_obj *acl_obj_p = ext2int(acl, fd);
 char *ext_acl_p;
 const char *name = ACL_EA_ACCESS;
 size_t size;
 int error;

 if (fd < 0 || !acl_obj_p)
 return -1;

 /* Set the access right for the file descriptor */
 error = ext_acl_set(fd, name, size, acl_obj_p);
 if (error != 0)
 return error;
 return 0;
}

Legend: license relevant text

Clearing decision type
 Go through all files
 Go through all files with licenses
 Go through all files with licenses and no clearing result

Clearing decision scope
 Apply decision to all future occurrences of this file

Action License Source License Text Acknowledgement Comment

X ★	LGPL-2.1+	reportImport: nomos: #1	Click to add	Click to add	Click to add
X ★	LGPL-2.0-or-later	reportImport:	Click to add	1110...	Click to add
X ★	scancode-other-copyleft	reportImport	Click to add	Click to add	Click to add

Showing 1 to 3 of 3 entries

User Decision ... Bulk Recognition ... Clearing History ...

Bulk History

License	Text
+ Autoconf-exception, GPL-2.0-or-later	# This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version. # This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public

Action	License	Source	License Text	Acknow
<input checked="" type="checkbox"/>	GPL-3.0-or-later	reportImport:,,,	Click to add	Click to
<input checked="" type="checkbox"/>	LGPL-2.1-only	reportImport:,,,	Click to add	Click to
<input checked="" type="checkbox"/>	LGPL-2.1-or-later	reportImport:,,,	Click to add	Click to
<input checked="" type="checkbox"/>	GPL-2.0-or-later	reportImport:,,,,,,	Click to add	1278...
<input checked="" type="checkbox"/>	scancode-autoconf-simple-exception-2.0	reportImport:,,,,,,	Click to add	Click to
<input checked="" type="checkbox"/>	Autoconf-exception	nomos: #1	Click to add	Click to
<input checked="" type="checkbox"/>	GPL-2.0+	nomos: #1	Click to add	Click to
<input checked="" type="checkbox"/>	MIT	reportImport:,,,	Click to add	Click to

The following two images show cases where wrong license decisions are imported due to mistakes in the debain copyright files. The license information for files, as mentioned in the Debian copyright file, is different from the license information found by Fossology in the file.

Action	License	Source	License Text	Acknowledgement	Comment
<input checked="" type="checkbox"/>	LGPL-2.1+	reportImport nomos: #1	Click to add	Click to add	Click to add
<input checked="" type="checkbox"/>	LGPL-2.0-or-later	reportImport:,,,,,,	Click to add	1110...	Click to add
<input checked="" type="checkbox"/>	scancode-other-copyleft	reportImport	Click to add	Click to add	Click to add

Bulk History

License	Text
Autoconf-exception, GPL-2.0-or-later	# This program is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. # # This program is distributed in the hope that it will be useful, # but WITHOUT ANY WARRANTY; without even the implied warranty of # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public

The screenshot shows the Fossology web application. At the top, there's a navigation bar with links like Home, Search, Browse, Upload, Jobs, Organize, Admin, Help, and a user dropdown. Below the header, a banner says "Change concluded License". The main area has a "Folder" section showing a file path: "Software Repository/ aliensrc/ac@2.2.53-r0-7534b2a7/ac-2.2.53.tar.gz/ac-2.2.53/build-aux/config.guess". Below this is a "One-Shot Copyright/Email/URL | One-Shot License | Software Heritage | License Browser | File Browser | Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spasht | Hex | Text | Formatted | Refresh" menu.

The central part of the screen displays a file content viewer with the file "ac-2.2.53-10_debian_copyright" open. The content is a standard Debian copyright file:

```

1 Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
2
3 Files:
4 *
5 Copyright:
6 Copyright © 2000-2008 Silicon Graphics, Inc.
7 Copyright © 1999-2001,2007-2009 Andreas Gruenbacher
8 License: GPL-2+
9 This program is free software: you can redistribute it and/or modify it
10 under the terms of the GNU General Public License as published by
11 the Free Software Foundation...either version 2 of the License...or

```

Below the file content, there's a "User Decision..." button, a "Bulk Recognition..." button, and a "Clearing History..." button.

To the right of the file content, there are two sections: "Clearing decision scope" and "Clearing decision type". Under "Clearing decision scope", the "Go through all files with licenses and no clearing result" option is selected. Under "Clearing decision type", the "Identified" option is selected.

At the bottom right, there's a table titled "Action" showing imported licenses:

Action	License	Source	License Text	Acknowledgements
X	GPL-3.0-or-later	reportImport:, Bulk: #773835	Click to add	Click to add
+	GPL-2.0-or-later	reportImport:	-	-
+	scancode-configure	reportImport:	-	-
X	Autoconf-exception	nomos: #1 Bulk: #773831	As a special ex...	Click to add
+	scancode-free-unknown	reportImport:	-	-
+	GPL-3.0+	nomos: #1 reportImport:	-	-

Below the table, it says "Showing 1 to 6 of 6 entries".

[Back to table of contents](#)

2. Import of additional licenses

The following examples from the uploaded components in Fossology shows cases where a number of additional licenses, that are not applicable to a particular file, are imported to the file by the report import job of Fossology. When the SPDX report is generated, the additional licenses too are exported to the report. This could make the generated bill of materials to be wrong, and sometimes cause serious problems to downstream vendors, if the report import agent brings in strong copyleft licenses like AGPL without the file actually licensed under AGPL. Possible solutions could be varied based on the stage of automation in which the additional licenses are introduced. If we can filter them out before the Fossology stage, it would be great. It may involve another source of truth, or strictly restricting the findings to those from the debian copyright file. If the licenses are brought in later during the report import automation step, we could deactivate the licenses that do not have a matching nomos or monk finding in Fossology, so that, the licenses may not be part of the SPDX bill of materials.

The following image shows a case where licenses are brought into a file that does not have a license text or keywords match from Fossology. There is no particular information about licenses, other than the reference to the main license, in the debian copyright file. The alien spdx file that was imported does not have the license information.

Folder: Software Repository/ aliensrc/cpio@2.13-r0-fd2eaa19/cpio-2.13.tar.gz/cpio-2.13/po/en@boldquot.header

Action	License	Source	License Text	Acknowledgement	Comment
X	X-Consortium	reportImport: ,,,	Click to add	Click to add	Click to add
X	PD	reportImport: ,	Click to add	Click to add	Click to add
X	GPL-3.0-or-later	reportImport: ,,,,	Click to add	Click to add	Click to add
X	LGPL-2.1-only	reportImport: ,,,	Click to add	Click to add	Click to add
X	GPL-2.0-only	reportImport: ,,,,	Click to add	Click to add	Click to add
X	LGPL-2.0-or-later	reportImport: ,,,,	Click to add	Click to add	Click to add
X	GPL-2.0-or-later	reportImport: ,,,,	Click to add	Click to add	Click to add
X	MIT	reportImport: ,,,	Click to add	Click to add	Click to add

To check whether Fossology brings in such license findings or not, we have uploaded the source code of the component shown in the example above, to Fossology. We have not found any license associated with the file in this upload. So, it could be reasonable enough to assume that the problem is in the report import job.

Folder: Software Repository/ aliensrc/cpio@2.13-r0-fd2eaa19/cpio-2.13.tar.gz/cpio-2.13/po/en@boldquot.header

Action	License	Source	License Text	Acknowledgement	Comment
No data available in table					

The following image shows a case where licenses are listed, by the compliance automation workflow, into a file that have no contents.

Action	License	Source
✗	BSD-2-Clause	reportImport:
✗	GPL-1.0-or-later	reportImport:
✗	GPL-3.0-or-later	reportImport:
✗	LGPL-2.1-only	reportImport:
✗	LGPL-2.1-or-later	reportImport:
✗	LGPL-2.1-or-later	reportImport:
✗	GPL-2.0-only	reportImport:
✗	public-domain	reportImport:
✗	LGPL-2.0-or-later	reportImport:
✗	GPL-2.0-or-later	reportImport:
✗	curl	reportImport:
✗	Artistic-1.0	reportImport:
✗	Dual-license	reportImport:
✗	ISC	reportImport:
✗	RSN-4-clause	reportImport:

The following example shows that licenses with copyleft effect are imported to a file that has been placed in the public domain by the author. One possible explanation could be the wild card character in the debian copyright file that points to a possible GPL-2.0-or-later license to all the files that do not have explicit license text or license references mentioned in the files. This example shows that the case of importing such licenses to files could be improved by introducing additional comparisons in file level. However, the reason to import GPL-3.0-or-later and LGPL-2.1-or-later has not been comprehensible.

Action	License	Source	License Text	Acknowledgement	Comments
+	GPL-3.0-or-later	reportImport: ,	-	-	-
+	LGPL-2.1-or-later	reportImport: ,	-	-	-
✗	public-domain	reportImport: ,,, User decision	Public domain....	Click to add	Click to
+	GPL-2.0-or-later	reportImport: ,,,	-	-	-
+	scancode-public-domain	reportImport:	-	-	-
+	Public-domain-ref	nomos	-	-	-

Showing 1 to 6 of 6 entries

User Decision... | Bulk Recognition... | Clearing History...

Bulk History

License	Text
GPL-2.0-only	license relevant text

The following images show more such examples:

Getting Started json - master OSS Co... Forum OSTC OSTC / planning / IP C... Fossology production ... ort/getting-started.m... IP Compliance (Audit) ... Overview - OpenProject Other Bookmarks

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Folder: Software Repository/ aliensrc/ kmod@26-r0-c8933ead.git.kernel.org.pub.scm.ulots.kernel.kmod.git@58133a96.tar.xz/testsuite/COPYING

One-Shot Copyright/Email/URL | One-Shot License | Software Heritage | License Browser | File Browser | Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spasht | Hex | Text | Formatted | Refresh

Closed Cleared: 148/153 Show Legend

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public **License**, version 2, hence the version number 2.1.]

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 Lesser General Public **License**, applies to certain specially designated software packages--typically libraries--of the **Free Software Foundation** and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this **license** or the ordinary General Public **License** is the better strategy to use in any particular case, based on the explanations below.

When we speak of **free software**, we are referring to freedom of use, 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 your service if you wish); that you receive **source code** or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

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

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

Submit Go through all files Go through all files with licenses Go through all files with licenses and no clearing result

Clearing decision scope
 Apply decision to all future occurrences of this file

Clearing decision type
 No license known
 To be discussed
 Do not use
 Irrelevant
 Identified

Action	License	Source	License Text	Acknowledgement	Comment
	LGPL-2.1+	monk: #1 (99 %)	-	-	-
	GPL-2.1-only	reportImport: , ,	Click to add	Click to add	Click to add
	GPL-2.0-or-later	reportImport: ,	Click to add	Click to add	Click to add
	LGPL-2.1	reportImport: , , nomos: #1	Click to add	Click to add	Click to add

Showing 1 to 4 of 4 entries

User Decision ... Bulk Recognition ... Clearing History ...

Home Search Browse Upload Jobs Organize Admin Help Change concluded License

Folder: Software Repository/ aliensrc/ gawk@5.0.1-r0-2be6e0f2/gawk-5.0.1.tar.gz/gawk-5.0.1/doc/gawk.info

One-Shot Copyright/Email/URL | One-Shot License | Software Heritage | License Browser | File Browser | Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spasht | Hex | Text | Formatted | Refresh

Closed Cleared: 1885/1885 1 2 3 4 5 6 [Next][Last] Hide Legend

This is gawk.info, produced by makeinfo version 6.5 from gawk.tex.

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This is Edition 5.0 of "GAWK: Effective AWK Programming: A User's Guide for GNU Awk", for the 5.0.1 (or later) version of the GNU implementation of AWK.

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a. The FSF's Back-Cover Text is: "You have the freedom to copy and modify this GNU manual."

INFO-DIR-SECTION Text creation and manipulation
 START-INFO-DIR-ENTRY
 * Gawk: (gawk). A text scanning and processing language.
 END-INFO-DIR-ENTRY

INFO-DIR-SECTION Individual utilities
 START-INFO-DIR-ENTRY
 * awk: (gawk)Invoking Gawk. Text scanning and processing.
 END-INFO-DIR-ENTRY

File: gawk.info, Node: Top, Next: Foreword3, Up: (dir)
 General Introduction

 This file documents 'awk', a program that you can use to select particular records in a file and perform operations upon them.

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Legend:
 license relevant text

Irrelevant
 Identified

Action	License	Source	License Text	Acknowledgement	Comment
	BSD-2-Clause	reportImport	-	-	-
	GFDL-1.1-or-later	reportImport	-	-	-
	GFDL-1.3-only	reportImport	-	-	-
	GFDL-1.3-or-later	Bulk: #2667604	Click to add	Click to add	Click to add
	GPL-1.0-or-later	reportImport	-	-	-
	GPL-1.2-or-later	reportImport	-	-	-
	GPL-3.0-only	reportImport User confirmed agent finding	Click to add	Click to add	Click to add
	LGPL-2.1-only	reportImport	-	-	-
	LGPL-2.1-or-later	reportImport	-	-	-
	GPL-2.0-only	reportImport	-	-	-
	GPL-2.0-or-later	reportImport	-	-	-
	GPL-2.0-or-later	reportImport	-	-	-
	GFDL-1.3+	nomos: #1	-	-	-
	scancode-unknown	reportImport	-	-	-
	scancode-public-domain	reportImport	-	-	-
	CPL-1.0	reportImport	-	-	-
	GPL-3.0+	monk: #1 (99 %)	-	-	-
	FSFAP	reportImport	-	-	-
	GPL	nomos: #1	-	-	-
	GFDL-1.3	monk: #1 (99 %)	-	-	-
	MPL-1.1	reportImport	-	-	-

Showing 1 to 21 of 21 entries

fossology Home Search Browse Upload Jobs Organize Admin Help

Change concluded License

User: rahulmohang Group: fossy

Folder: Software Repository/ aliensrc/binutils@2.34-r0-43d96267/sourceware.org.git.binutils-gdb.git@d4b50999.tar.gz/gdb/syscalls/s390-linux.xml.in

One-Shot Copyright/Email/URL | One-Shot License | Software Heritage • License Browser | File Browser • Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spash | Hex | Text | Formatted • Refresh

Close Cleared: 11229/14366 Hide Legend

<?xml version="1.0"?>
<!-- Copyright (C) 2009-2020 Free Software Foundation, Inc.
Copying and distribution of this file, with or without modification,
are permitted in any medium without royalty provided the copyright
notice and this notice are preserved. #-->
<!DOCTYPE feature SYSTEM "gdb-syscalls.dtd">
<!-- This file was generated using the following file:
/usr/include/asm/unistd.h
The file mentioned above belongs to the Linux Kernel. -->
<syscalls_info>
<syscall name="exit" number="1"/>
<syscall name="fork" number="2"/>
<syscall name="read" number="3"/>
<syscall name="write" number="4"/>
<syscall name="open" number="5"/>
<syscall name="close" number="6"/>
<syscall name="restart_syscall" number="7"/>
<syscall name="stat" number="8"/>
<syscall name="lseek" number="9"/>
<syscall name="unlink" number="10"/>
<syscall name="execve" number="11"/>
<syscall name="chdir" number="12"/>
<syscall name="times" number="13"/>
<syscall name="mknode" number="14"/>
<syscall name="chmod" number="15"/>
<syscall name="lchown" number="16"/>
<syscall name="fchown" number="19"/>
<syscall name="getpid" number="20"/>
<syscall name="mount" number="21"/>
<syscall name="umount" number="22"/>
<syscall name="setuid" number="23"/>
<syscall name="getuid" number="24"/>
<syscall name="stime" number="25"/>
<syscall name="prace" number="26"/>
<syscall name="alarm" number="27"/>
<syscall name="pause" number="29"/>

Legend: license relevant text

< Submit > Go through all files Go through all files with licenses Go through all files with licenses and no clearing result

Clearing decision scope Apply decision to all future occurrences of this file

Clearing decision type No license known To be discussed Do not use Irrelevant Identified

Action	License	Source	License Text	Acknowledgement	Comment
	GPL-3.0-or-later	reportImport:,	-	-	-
	FSFAP	reportImport monk: #1 (76 %) Bulk: #738032	Copying and dis...	Click to add	Click to add
	Freeware	nomos: #1	-	-	-

Showing 1 to 3 of 3 entries

User Decision ... Bulk Recognition ... Clearing History ...

Bulk History

License	Text	
	GPL-3.0-or-later	This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of this GNU General Public License along with this program. If not, see http://www.gnu.org/licenses/gpl.html .
	GPL-2.0-or-later, GPL-3.0+	

https://192.168.80.251/repo/?mod=view-license&upload=486&item=2076124

Getting Started @solda json - master - OSS Co... Forum OSTC OSTC / planning / IP C... Fossology production ... port/getting-started.m... IP Compliance (Audit) ... Overview - OpenProject > Other Bookmarks

fossology Home Search Browse Upload Jobs Organize Admin Help

Change concluded License

User: rahulmohang Group: fossy

Folder: Software Repository/ aliensrc/cogl-1.0.1-22.4-r0-c89ec016/cogl-1.22.4.tar.xz/cogl-1.22.4/cogl-path/tesselator/dict.c

One-Shot Copyright/Email/URL | One-Shot License | Software Heritage • License Browser | File Browser • Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spash | Hex | Text | Formatted • Refresh

Close Cleared: 1022/1022 Hide Legend

/*
 * SGI FREE SOFTWARE LICENSE B (Version 2.0, Sept. 18, 2008)
 * Copyright (C) 1991-2000 Silicon Graphics, Inc. All Rights Reserved.
 *
 * Permission is hereby granted, free of charge, to any person obtaining a
 * copy of this software and associated documentation files (the "Software"),
 * to deal in the Software without restriction, including without limitation
 * the rights to use, copy, modify, merge, publish, distribute, sublicense,
 * and/or sell copies of the Software, and to permit persons to whom the
 * Software is furnished to do so, subject to the following conditions:
 *
 * The above copyright notice including the dates of first publication and
 * either this permission notice or a reference to
 * <http://oss.sgi.com/projects/FreeB/>
 * shall be included in all copies or substantial portions of the Software.
 *
 * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
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 * WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF
 * OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
 * SOFTWARE.
 *
 * Except as contained in this notice, the name of Silicon Graphics, Inc.
 * shall not be used in advertising or otherwise to promote the sale, use or
 * other dealings in this Software without prior written authorization from
 * Silicon Graphics, Inc.
 */
/* Author: Eric Veach, July 1994.
 */

#include <stddef.h>
#include <dict-list.h>
#include <memalloc.h>

/* really __gl_dictListNewDict */
Dict *dictListNewDict(void *frame, DictKey key1, DictKey key2)
{

Legend: license relevant text

< Submit > Go through all files Go through all files with licenses Go through all files with licenses and no clearing result

Clearing decision scope Apply decision to all future occurrences of this file

Clearing decision type No license known To be discussed Do not use Irrelevant Identified

Action	License	Source	License Text	Acknowledgement	Comment
	SGI-B-2.0	reportImport nomos: #1 monk: #1 (97 %) User confirmed agent finding	Click to add	Click to add	Click to add
	MIT	reportImport: , ,	-	-	-

Showing 1 to 2 of 2 entries

User Decision ... Bulk Recognition ... Clearing History ...

https://192.168.80.251/repo/?mod=view-license&upload=449&item=1972729

Getting Started | solda | json - master - OSS Co... | Forum OSTC | OSTC / planning / IP C... | Fossology production ... | ort/getting-started.m... | IP Compliance (Audit) ... | Overview - OpenProject | Other Bookmarks

fossology Change concluded License

User: rahulmohang Group: fossy

Folder: Software Repository/ aliensrc/libtirpc@1.2.6-r0-16e41b6a/libtirpc-1.2.6.tar.bz2/libtirpc-1.2.6/compile One-Shot Copyright/Email/URL | One-Shot License | Software Heritage | License Browser | File Browser | Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spash | Hex | Text | Formatted | Refresh

Close Cleared: 11/144 Hide Legend

```
#!/bin/sh
# Wrapper for compilers which do not understand '-c -o'.
scriptversion=2018-03-07-03; # UTC

# Copyright (C) 1999-2018 Free Software Foundation, Inc.
# Written by Tom Tromey <tromey@cynus.com>.

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# any later version.

# This program is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
# GNU General Public License for more details.

# You should have received a copy of the GNU General Public License
# along with this program. If not, see <https://www.gnu.org/licenses/>.

# As a special exception to the GNU General Public License, if you
# distribute this file as part of a program that contains a
# configuration script generated by Autoconf, you may include it under
# the same distribution terms that you use for the rest of that program.

# This file is maintained in Automake, please report
# bugs to <bug-automake@gnu.org> or send patches to
# <automake-patches@gnu.org>.

nl='
'

# We need space, tab and new line, in precisely that order. Quoting is
# there to prevent tools from complaining about whitespace usage.
IFS=" "
$nl

file_conv=
# func_file_conv build_file lazy
# Convert a $build file to $host form and store it in $file
```

Legend: license relevant text

Action	License	Source
+	MIT-1	reportImport: ,
+	GPL-3.0-or-later	reportImport: ,,,
+	LGPL-2.1-or-later	reportImport: ,,,
+	LGPL-2.1-or-later	reportImport: ,,,
+	GPL-2.0-only	reportImport: ,,,
+	LGPL-2.0-or-later	reportImport: ,,,
X	GPL-2.0-or-later	reportImport: Bulk: #822931
+	X11	reportImport: ,,,
+	scancode-autoconf-simple-exception-2.0	reportImport: ,,,
X	Autoconf-exception	nomos: #1 Bulk: #822933
+	curl	reportImport: ,,,
+	Dual-license	reportImport: ,,,
+	GPL-2.0+	reportImport: ,,, nomos: #1
+	ISC	reportImport: ,,,
+	AFL-2.1	reportImport: ,,,
+	MIT	reportImport: ,,,

Showing 1 to 16 of 16 entries

User Decision ... | Bulk Recognition ... | Clearing History ...

https://192.168.80.251/repo/?mod=view-license&upload=488&item=2158277

Getting Started | solda | json - master - OSS Co... | Forum OSTC | OSTC / planning / IP C... | Fossology production ... | ort/getting-started.m... | IP Compliance (Audit) ... | Overview - OpenProject | Other Bookmarks

fossology Change concluded License

User: rahulmohang Group: fossy

Folder: Software Repository/ aliensrc/gcc@9.3.0-r0-0e81c350/gcc-9.3.0.tar.xz/gcc-9.3.0/libgomp/config/nvptx/ptrlock.c One-Shot Copyright/Email/URL | One-Shot License | Software Heritage | License Browser | File Browser | Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spash | Hex | Text | Formatted | Refresh

Close Cleared: 26293/26293 Hide Legend

Legend: irrelevant | Identified

Action	License	Source
X	BSD-2-Clause	reportImport: ,,, User confirmed agent finding
X	GPL-1.0-or-later	reportImport: ,,, User confirmed agent finding
X	GPL-3.0-or-later	reportImport: ,,, User confirmed agent finding
X	LGPL-2.1-only	reportImport: ,,, User confirmed agent finding
X	LGPL-2.1-or-later	reportImport: ,,, User confirmed agent finding
X	LGPL-2.1-or-later	reportImport: ,,, User confirmed agent finding
X	GPL-2.0-only	reportImport: ,,, User confirmed agent finding
X	public-domain	reportImport: ,,, User confirmed agent finding
X	LGPL-2.0-or-later	reportImport: ,,, User confirmed agent finding
X	GPL-2.0-or-later	reportImport: ,,, User confirmed agent finding
X	curl	reportImport: ,,, User confirmed agent finding
X	Artistic-1.0	reportImport: ,,, User confirmed agent finding
X	Dual-license	reportImport: ,,, User confirmed agent finding
X	ISC	reportImport: ,,, User confirmed agent finding

Legend: license relevant text

<https://192.168.80.251/repo/?mod=view-license&upload=356&item=1431975>

Getting Started | solda | json - master - OSS Co... | Forum OSTC | OSTC / planning / IP C... | Fossology production ... | ort/getting-started.m... | IP Compliance (Audit) ... | Overview - OpenProject | Other Bookmarks

fossology Home Search Browse Upload Jobs Organize Admin Help Change concluded License

Version: [3.x.0] Branch: [HEAD], Commit: [#33fbfb] 2020/11/20 06:11 UTC built @ 2021/02/18 11:11 UTC

User: rahulmohang Group: fossy

Folder: Software Repository/ aliensrc/bc@1.07.1-r0fa579bd6/bc-1.07.1.tar.gz/bc-1.07.1/COPYING.LIB

One-Shot Copyright/Email/URL | One-Shot License | Software Heritage | License Browser | File Browser | Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spasht | Hex | Text | Formatted | Refresh

Closed Cleared: 96/96 Hide Legend

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An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any **source code** for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or **source code** for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU **GPL**.

Showing 1 to 8 of 8 entries

Action License Source License Text Acknowledgement Comment

X LGPL-3.0-only	reportImport:	Click to add	Click to add
X★ LGPL-3.0-or-later	reportImport: ..	Click to add	Click to add
X LGPL-3.0-or-later	reportImport: ,	Click to add	Click to add
X★ GPL-2.1-or-later	reportImport: ..	Click to add	Click to add
X★ GPL-2.0-or-later	reportImport: .. Import decision	Click to add	1278...
X Dual-license	reportImport: , nomos: #1	Click to add	Click to add
X★ LGPL-3.0	reportImport: .. nomos: #1	Click to add	Click to add
X★ LGPL-3.0+	monk: #1 (100 %)	Click to add	Click to add

User Decision ... Bulk Recognition ... Clearing History ...

<https://192.168.80.251/repo/?mod=view-license&upload=4388&item=1969455>

Getting Started | solda | json - master - OSS Co... | Forum OSTC | OSTC / planning / IP C... | Fossology production ... | ort/getting-started.m... | IP Compliance (Audit) ... | Overview - OpenProject | Other Bookmarks

fossology Home Search Browse Upload Jobs Organize Admin Help Change concluded License

Version: [3.x.0] Branch: [HEAD], Commit: [#33fbfb] 2020/11/20 06:11 UTC built @ 2021/02/18 11:11 UTC

User: rahulmohang Group: fossy

Folder: Software Repository/ aliensrc/kbd@2.2.0-r0-Ode842bd/kbd-2.2.0.tar.gz/kbd-2.2.0/docs/reference/libkeymap/html/doxygen.png

One-Shot Copyright/Email/URL | One-Shot License | Software Heritage | License Browser | File Browser | Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spasht | Hex | Text | Formatted | Refresh

Closed Cleared: 989/1047 Hide Legend

Showing 1 to 1 of 1 entries

Action License Source License Text Acknowledgement Comment

X MIT	reportImport:	Click to add	Click to add
-------	---------------------	--------------	--------------

User Decision ... Bulk Recognition ... Clearing History ...

kbd-2.2.0-1.debian_copyright

61 Files: src/sevcfg/c Plain Text Tab Width: 8 Ln 1, Col 1 INS

```
#!/bin/sh
# DO NOT EDIT THIS FILE - It is automatically generated by debhelper.
# If you edit this file, you will need to run debhelper again to regenerate it.
# See /usr/share/doc/debian-copyrights/README.Debian for details.
# This file is part of the debhelper package.
# Copyright 2011, Canonical Ltd (Seth Forshee <seth@canonical.com>)
# and Dustin Kirkland <kirkland@canonical.com>
# License: GPL-any
# 66
# 67 Files: data/consolefonts/
# 68 Copyright: Kurt Garloff
# 69 Jacek Lipkowski
# 70 Andries
# 71 alter@cybercafe.com.ua
```

Z User: rahulmohang Group: fossy

[Back to table of contents](#)

3. Import of additional copyrights

The following example from the uploaded components in Fossology shows a case where copyright statements are imported to a file that has no content.

The screenshot shows the Fossology software interface. At the top, there is a navigation bar with links like 'Getting Started', 'solda', 'json - master - OSS Co...', 'Forum OSTC / planning / IP C...', 'Fossology production ...', 'ort/getting-started.m...', 'IP Compliance (Audit) ...', 'Overview - OpenProject', and 'Other Bookmarks'. On the right side, there is a user information panel with 'User: rahulmohang', 'Group: fossy', and 'logout' and 'Group: fossy' dropdown menus.

The main content area has a title 'View Copyright/Email/Url Analysis' and a subtitle 'Folder: Software Repository/ aliensrc/libmodulemd-v1@1.8.16-r0-787adbf10/github.com.fedora-modularity.libmodulemd@d0dcf7b3.tar.xz/modulemd/version.xml.in'. Below this, there is a message 'No copyright data available for this file.' and a 'Hide Legend' button.

A legend box is visible on the left, containing the following items:

- Textfinding**: file text
- Info**: copyright remark
- Actions**: URL
- Comment**: e-mail address
- Author or maintainer**: author or maintainer

The main table, titled 'Current decisions:', lists 20 entries from 2008 to 2011, each with a 'Type' (Identified), 'Comment' (imported via reportImport), and two 'Actions' columns (Edit and Delete).

Textfinding	Info	Actions
2008-2012 Karel Zak <kzak@redhat.com>	Type: Identified Comment: imported via reportImport	
2013 Zeeshan Ali (Khattak) <zeeshanak@gnome.org>	Type: Identified Comment: imported via reportImport	
2013 Rolf Fokkens <rolf@fokkens.nl>	Type: Identified Comment: imported via reportImport	
2013 Eric Sandeen <sandeen@redhat.com>	Type: Identified Comment: imported via reportImport	
2013 Alejandro Martinez Ruiz <alex@nowcomputing.com>	Type: Identified Comment: imported via reportImport	
2012 Milan Broz <mbroz@redhat.com>	Type: Identified Comment: imported via reportImport	
2011 Philipp Marek <philipp.marek@linbit.com>	Type: Identified Comment: imported via reportImport	
2010 Jiro SEKIBA <jjr@unicus.jp>	Type: Identified Comment: imported via reportImport	
2010 Jeroen Oortwijn <oortwijn@gmail.com>	Type: Identified Comment: imported via reportImport	
2010 Andrew Nayenko <resver@gmail.com>	Type: Identified Comment: imported via reportImport	
2009-2010 Andreas Dilger <adilger@sun.com>	Type: Identified Comment: imported via reportImport	
2009 Red Hat, Inc.	Type: Identified Comment: imported via reportImport	
2009 Mike Hommey <mh@glandium.org>	Type: Identified Comment: imported via reportImport	
2009 Corentin Chary <corentinc@lksaif.net>	Type: Identified Comment: imported via reportImport	
2009 Bastian Friedrich <bastian.friedrich@collax.com>	Type: Identified Comment: imported via reportImport	

[Back to table of contents](#)

4. Import of scancode results

The following examples shows some wrong license decisions and some license identifiers imported from scancode. The imported license identifiers from scancode do not contain license texts. They contain texts and hyperlinks that leads to yml files in the location, <https://github.com/nexB/scancode-toolkit/blob/develop/src/licensedcode/data/licenses/>. In many cases, because of the way in which the bulk identification in Fossology works, licenses of files with such identifiers from scancode will not be decided on a bulk job. This may lead to license decisions on far fewer files in spite of a bulk keyword match in a number of files. This is counterproductive, because this leads to more time spent on clearing of components that otherwise would have got cleared in a fraction of the time spent. We have observed that, in the way the compliance automation works today, importing license identifiers from scancode for files is not a value add.

<https://192.168.80.251/repo/?mod=view-license&upload=488&item=2077551>

Getting Started | solda | json - master - OSS Co... | Forum OSTC | OSTC / planning / IP C... | Fossology production ... | ort/getting-started.m... | IP Compliance (Audit) ... | Overview - OpenProject | Other Bookmarks

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Folder: Software Repository/ aliensrc/gcc@9.3.0-r0-0e81c350/gcc-9.3.0.tar.xz/gcc-9.3.0/gfc-internals.texi

One-Shot Copyright/Email/URL | One-Shot License | Software Heritage | License Browser | File Browser | Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spasht | Hex | Text | Formatted | Refresh

Closed Cleared: 26293/26293 Hide Legend

Submit: Go through all files Go through all files with licenses Go through all files with licenses and no clearing result

Clearing decision scope: Apply decision to all future occurrences of this file

Clearing decision type: No license known To be discussed Do not use Irrelevant Identified

Action	License	Source	License Text	Acknowledgement	Comment
	GFDL-1.1-or-later	reportImport: , ,	-	-	-
	GFDL-1.3-or-later	Bulk: #1639708	Click to add	Click to add	Click to add
	normos: #1	-	-	-	-
	scancode-other-copyleft	reportImport: , ,	-	-	-

Showing 1 to 4 of 4 entries

User Decision ... | Bulk Recognition ... | Clearing History ...

Legend: license relevant text

(a) The FSF's Front-Cover Text is:
A GNU Manual

(b) The FSF's Back-Cover Text is:
You have freedom to copy and modify this document, like GNU software. Copies published by the Free Software Foundation raise funds for GNU development.
@end copying

@ifinfo
@dircategory Software development
@direntry
* gfortran: (gfortran). The GNU Fortran Compiler.
@end direntry

This file documents the internals of the GNU Fortran

<https://192.168.80.251/repo/?mod=view-license&upload=327&item=1140445&agentId=2&highlightId=561119&page=0#highlight>

Getting Started | solda | json - master - OSS Co... | Forum OSTC | OSTC / planning / IP C... | Fossology production ... | ort/getting-started.m... | IP Compliance (Audit) ... | Overview - OpenProject | Other Bookmarks

fossology Change concluded License

Version: [3.0.0], Branch: [HEAD], Commit: [#33fb5b] 2020/11/30 06:11 UTC built @ 2021/02/18 11:11 UTC

Folder: Software Repository/ aliensrc/bind@9.11.22-r0-0f274724/bind-9.11.22.tar.gz/bind-9.11.22/COPYRIGHT

One-Shot Copyright/Email/URL | One-Shot License | Software Heritage | License Browser | File Browser | Conf | Info | View | Licenses | Copyright/Email/Url/Author | ECC | keyword | Bucket | Spasht | Hex | Text | Formatted | Refresh

Closed Cleared: 3514/4271 Hide Legend

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For binary releases also see: OpenSSL-LICENSE.

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Legend: license_text: - identical - modified - added - removed license_relevant_text keyword bulk

	BSD-2-Clause	monk: #1 (90 %), #2 (90 %) reportImport: , , , Imported decision
	scancode-paul-mackerras-new	reportImport
	scancode-openssl	reportImport: ,
	scancode-other-permissive	reportImport: ,
	JPNIC	monk: #1 (93 %) reportImport: , , nomos: #1
	BSD-1-Clause	reportImport
	QBSD	monk: #1 (79 %), #2 (74 %), #3 (74 %), #4 (74 %), #5 (74 %), #6 (73 %), #7 (73 %) reportImport: , , , , , , nomos: #1
	RSA-Cryptoki	nomos: #1
	WebM	monk: #1 (76 %) reportImport: , , nomos: #1
	Apache-2.0	reportImport: , , nomos: #1
	Apache-1.0	monk: #1 (67 %) reportImport: , , nomos: #1
	HPND	reportImport: , , nomos: #1
	ISC	reportImport: , , , nomos: #1 Imported decision
	BSD-4-Clause	reportImport: , , Imported decision
	BSD-2-Clause-FreeBSD	monk: #1 (76 %) reportImport: , , , Imported decision
	BSD-3-Clause	monk: #1 (98 %), #2 (96 %), #3 (90 %), #4 (90 %), #5 (90 %), #6 (90 %) reportImport: , , , , , , Imported decision
	MPL-2.0	reportImport: , , nomos: #1
	OpenSSL	reportImport: , , nomos: #1
	scancode-mit-taylor-variant	reportImport: ,

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5. Import decision on template licenses

Template licenses should be considered special cases during audit in Fossology. The licenses like BSD license have a template like the one for BSD-3-Clause in [opensource.org](https://opensource.org/licenses/BSD-3-Clause). The first clause of most, if not all, BSD licenses states that, "1. Redistributions of source code must retain the above copyright notice, **this** list of conditions and the following disclaimer.". The "**this**" in the clause shows that capturing the license text that the author of a file licensed it under, rather than the text from the template, is important.

In Fossology, most of the BSD licenses have a template license text associated with them. So, the audit team uses the 'License Text' field to capture the license texts provided by authors or copyright holders of

such files, thereby overriding the template license text from Fossology. If a decision is imported to Fossology for files with such licenses, the audit team may not find such files in the list of files to be cleared, and may not override the template licenses with the license texts provided by authors or copyright holders of the files. So, a possible solution may be to not import a decision when the license of a file is BSD.

The screenshot shows the Fossology web application at the URL <https://192.168.80.251/repo/?mod=view-license&upload=457&item=1980267>. The page title is "Change concluded License". The left sidebar includes links for Home, Search, Browse, Upload, Jobs, Organize, Admin, Help, and a user dropdown for "rahulmohang". The main content area displays a file named "rpm-4.14.2.1-r0-57d21603.github.com.rpm-software-management.rpm-4a944000.tar.xz/misc/fts.c". The file content shows a BSD license header. To the right, there is a "Clearing decision scope" dialog with options like "Go through all files", "Apply decision to all future occurrences of this file", and "Identified". Below this is a table of clearing decisions:

Action	License	Source	License Text	Acknowledgement	Comment
X	BSD-3-Clause	reportImport: nomos: #1 monk: #1 (90 %) Imported decision	Click to add	1578...	Click to add

At the bottom, there are buttons for "User Decision ...", "Bulk Recognition ...", and "Clearing History ...".

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6. Import decision on non-standard licenses

There are many license texts that could be variants of other standard open source licenses that are listed at [list published by the Free Software Foundation \(FSF\)](#), or licenses falling within the [Open Source Definition](#) and/or within the [FSF definition of Free Software](#), **but** which is neither OSI-approved nor expressly listed by FSF (note that this latter option requires a previous assessment by the internal Legal Team to be considered “open source”), and others that are proprietary license texts, or special texts introduced by the authors of files. Such license texts also need to be captured in Fossology audits.

Some examples are dual license reference texts, BSD style licenses, MIT style licenses, public domain reference texts, variations of exception texts etc. Such license texts provided by the authors are to be captured by the audit team using 'License Text' field in Fossology. If decisions are imported to Fossology for files with such licenses, the audit team may not find such files in the list of files to be cleared, and may not be able to bring such license texts to the clearing reports. So, a possible solution may be to not import a decision when a file has such a license. A list could be created for such possible license identifiers, and cover as many scenarios as possible.

The following example shows a case where 'Dual-license', that is an identifier in Fossology used by audit team to capture references to dual licenses, has been imported as a license decision into the file. So, the audit team could not capture the original license text for the dual license. This is not a case that is serious enough to be a blocking point, because the presence of the 'Dual-license' identifier and the two licenses is a proof that the file is dual licensed. This however, undermines the importance of capturing the license text provided by the author or the copyright holder of the file.

Screenshot of the Fossology interface showing a file named "fsl-ls1028a.dtsi". The file contains a Device Tree Description (DTS) for an NXP Layerscape-1028A family SoC. The interface shows a legend for license identifiers and a table of identified licenses:

Action	License	Source	License Text	Acknowledgement	Comment
X	GPL-2.0-or-later	reportimport: , Imported decision	Click to add	1902...	Click to add
X	X11	reportimport: , Imported decision	Click to add	1902...	Click to add
X	Dual-license	reportimport obj: #1, #2, #3, #4 nomos: #1 Imported decision	Click to add	1902...	Click to add
X	GPL-2.0+	obj: #1, #2, #3, #4 nomos: #1	Click to add	Click to add	Click to add
X	MIT	reportimport obj: #1, #2, #3, #4 nomos: #1	Click to add	Click to add	Click to add

Showing 1 to 5 of 5 entries.

The following image shows the case where a decision was not imported, thereby allowing the audit team to capture the intended text of the license.

Screenshot of the Fossology interface showing a file named "mkinstalldirs". The file contains a shell script for Automake. The interface shows a legend for license identifiers and a table of identified licenses:

Action	License	Source	License Text	Acknowledgement	Comm
+	GPL-3.0-or-later	reportimport: ,	-	-	-
+	LGPL-2.1-or-later	reportimport: ,	-	-	-
X	public-domain	reportimport: , User decision	Public domain....	Click to add	Click to add
+	GPL-2.0-or-later	reportimport: ,	-	-	-
+	scancode-public-domain	reportimport: ,.....	-	-	-
+	Public-domain-ref	nomos	-	-	-

Showing 1 to 6 of 6 entries.

The following image shows the case of autoconf exception to GPL-3.0 license. A decision could be made with the standard license text for autoconf exception with GPL-3.0 license had Fossology identified that. However, a generic autoconf license identifier is identified. This is applicable to all cases of exception license statements in Fossology. It is essential for the audit team to have an opportunity to go through the file when any exception texts are identified. So, the solution is not to import decisions on such files.

#!/bin/sh
Attempt to guess a canonical system name.
Copyright 1992-2018 Free Software Foundation, Inc.
timestamp='2018-01-01'
This file is free software; you can redistribute it and/or modify it
under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 3 of the License, or
(at your option) any later version.
This program is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
General Public License for more details.
You should receive a copy of the GNU General Public License
along with this program; if not, see <https://www.gnu.org/licenses/>.
As a special exception to the GNU General Public License, if you
distribute this program in a package containing a program which
configuration script generated by Autoconf, you may include it under
the same distribution terms that you use for the rest of that
program. This Exception is an additional permission under section 7
of the GNU General Public License, version 3 ("GPLv3").
Originally written by Per Bothner; maintained since 2000 by Ben Elliston.
You can get the latest version of this script from:
https://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.guess
Please send patches to <config-patches@gnu.org>.

me='echo "\$0" | sed -e 's/*/*,/''
usage="\nUsage: \$0 [OPTION]
Output the configuration name of the system '\\$me' is run on.
Legend: license relevant text

Action	License	Source	License Text	Acknowledgement
X	GPL-3.0-or-later	reportImport: , Bulk: #773835	Click to add	Click to add
+	GPL-2.0-or-later	reportImport:	-	-
+	scancode-autoconf-simple-exception	reportImport:	-	-
X	Autoconf-exception	nomos: #1 Bulk: #773831	As a special ex... Click to add	
+	scancode-free-unknown	reportImport:	-	-
+	GPL-3.0+	nomos: #1 reportImport: ,	-	-

Showing 1 to 6 of 6 entries

User Decision ... Bulk Recognition ... Clearing History ...

Bulk History

License	Text

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7. Some cases where import decision could be applied

There are many cases where an import decision could be applied without many considerations. Only prerequisite is that we should avoid import of wrong licenses to files, as described in the section 2, though.

The following image shows a case where a file contain only the text of a single license. In the image below, the file contains the license text of LGPL-2.0-only. The report import agent in the compliance automated tool chain should decide on such files. The prerequisite is that the additional license; in this case, LGPL-2.0-or-later, should not be an active license identifier.

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

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51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[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.

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

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
with the library, after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

Action	License	Source	License Text	Acknowledgement	Comment
X	LGPL-2.0-only	User decision	Click to add	Click to add	
+	LGPL-2.0-or-later	reportImport: ,	-	-	-
+	LGPL-2.0	reportImport: , nomos: #1 (99 %)	-	-	-

Showing 1 to 3 of 3 entries

User Decision ... Bulk Recognition ... Clearing History ...

Bulk History

License	Text
+ LGPL-2.0-only	
X Same-license-as, scancode-free-unknown	# This file is distributed under the same license as the gtk package.

The following images shows cases where the license reference is represented in compliance to the REUSE project recommendation. This file may have a decision imported by the automated compliance toolchain.

Code Snippet (exynos4412-midas.dtsi):

```
// SPDX-License-Identifier: GPL-2.0
/*
 * Samsung's Exynos4412 based Trats 2 board device tree source
 *
 * Copyright (c) 2013 Samsung Electronics Co., Ltd.
 * http://www.samsung.com
 *
 * Device tree source file for Samsung's Trats 2 board which is based on
 * Samsung's Exynos4412 SoC.
 */
/dts-v1/;
#include "exynos4412-pmmu-common.dtsi"
#include <dt-bindings/gpio/gpio.h>
#include <dt-bindings/interrupt-controller/irq.h>
#include <dt-bindings/clock/maxim,max77686.h>
#include <dt-bindings/pinctrl/samsung.h>

{
    compatible = "samsung,midas", "samsung,exynos4412", "samsung,exynos4";
    aliases {
        i2c11 = &i2c_max77693;
        i2c12 = &i2c_max77693_fuel;
    };
    chosen {
        stdout-path = &serial_2;
    };
    firmware@204f000 {
        compatible = "samsung,secure-firmware";
        reg = <0x0204F000 0x1000>;
    };
    fixed-rate-clocks {
        xxti {
            compatible = "samsung,clock-xxti", "fixed-clock";
            clock-frequency = <0>;
        };
    };
}
```

Decision Table:

Action	License	Source	License Text	Acknowledgement	Comment
	GPL-1.0-only	reportImport:,	-	-	-
	GPL-2.0-only	reportImport:, Bulk: #2926338	Click to add	Click to add	Click to add
	GPL-2.0	ojo: #1, #2, #3, #4, #5, #6 nomos: #1	-	-	-

Showing 1 to 3 of 3 entries

History Table:

Date	Username	Scope	Type	Licenses
2021-08-17	rahulmohang	local	Identified	Dual-license, GPL-1.0-only, GPL-2.0, GPL-2.0-only, GPL-2.0-or-later
2021-04-08	fossy	local	Identified	GPL-2.0-only
2021-03-21	fossy	global	Identified	GPL-2.0

Showing 1 to 3 of 3 entries

Code Snippet (exynos4412-midas.dtsi):

```
// SPDX-License-Identifier: GPL-2.0
/*
 * Samsung's Exynos4412 based Trats 2 board device tree source
 *
 * Copyright (c) 2013 Samsung Electronics Co., Ltd.
 * http://www.samsung.com
 *
 * Device tree source file for Samsung's Trats 2 board which is based on
 * Samsung's Exynos4412 SoC.
 */
/dts-v1/;
#include "exynos4412-pmmu-common.dtsi"
#include <dt-bindings/gpio/gpio.h>
#include <dt-bindings/interrupt-controller/irq.h>
#include <dt-bindings/clock/maxim,max77686.h>
#include <dt-bindings/pinctrl/samsung.h>

{
    compatible = "samsung,midas", "samsung,exynos4412", "samsung,exynos4";
    aliases {
        i2c11 = &i2c_max77693;
        i2c12 = &i2c_max77693_fuel;
    };
    chosen {
        stdout-path = &serial_2;
    };
    firmware@204f000 {
        compatible = "samsung,secure-firmware";
        reg = <0x0204F000 0x1000>;
    };
    fixed-rate-clocks {
        xxti {
            compatible = "samsung,clock-xxti", "fixed-clock";
            clock-frequency = <0>;
        };
    };
}
```

Decision Table:

Action	License	Source	License Text	Acknowledgement	Comment
	GPL-1.0-only	reportImport:,	-	-	-
	GPL-2.0-only	reportImport:, Bulk: #2926338	Click to add	Click to add	Click to add
	GPL-2.0	ojo: #1, #2, #3, #4, #5, #6 nomos: #1	-	-	-

Showing 1 to 3 of 3 entries

History Table:

Date	Username	Scope	Type	Licenses
2021-08-17	rahulmohang	local	Identified	Dual-license, GPL-1.0-only, GPL-2.0, GPL-2.0-only, GPL-2.0-or-later
2021-04-08	fossy	local	Identified	GPL-2.0-only
2021-03-21	fossy	global	Identified	GPL-2.0

Showing 1 to 3 of 3 entries

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