

How to curate license information for



Caren Kresse

Open Source Automation Development Lab (OSADL) eG

How to curate license information for OSSelot
COOL March 20, 2024

Open Source Automation Development Lab (OSADL) eG



Why re-using compliance data?

- The success of FOSS is partly due to the fact that development resources and efforts are reduced by **re-using existing software components**.
- Some of the reduction is canceled out by the effort required to scan and clear FOSS for license compliant use.
- There are many FOSS components that are deployed unmodified by a large number of users.
- Why not **share compliance tasks** in the same way as the software development?

The OSADL project:

OSSelot The Open Source Curation Database

<https://www.osselot.org>

<https://github.com/Open-Source-Compliance/package-analysis>

- Contains **license and copyright analysis results** for various packages (> **340 (>200 unique) packages** and 1.5 Mio. files):
 - **Readme with metadata** of the package, *e.g.* download location, purl, reviews, comments.
 - **SPDX** Tag:Value, JSON, RDF-XML and YAML files with concluded licenses, copyright notices and comments on decisions per file.
 - **Disclosure document** with aggregated license texts, copyright notices and acknowledgments.

Liability and trust

Supply of legal information



Liability?

Reuse of legal information



Trust?

Liability and trust

Limiting liability

- Licensing to give **maximal rights** (e.g. CCO-1.0). Then, **gift regulations** apply and liability applies only for willful intent and gross negligence.
- There are **no known lawsuits** pursuant to supply of incorrect legal information for FOSS so that reservations have generally lessened.

Establishing trust

- Data are curated **conscientiously** and **diligently**.
- Compliance artifacts are created by named **persons with expertise**.
- There is a **transparent review process**.
- An organization stands with its **reputation** for the quality of the project.

Liability and trust

Limiting liability

- Licensing to give **maximal rights** (*e.g.* CCO-1.0). Then, **gift regulations** apply and liability applies only for willful intent and gross negligence.
- There are **no known lawsuits** pursuant to supply of incorrect legal information for FOSS so that reservations have generally lessened.

Establishing trust

- Data are curated **conscientiously** and **diligently**.
- Compliance artifacts are created by named **persons with expertise**.
- There is a **transparent review process**.
- An organization stands with its **reputation** for the quality of the project.

OSSelot curation guidelines: General

- Scanning and curating currently with **Fossology** with integrated **Scancode**.
- Download of source code **as upstream as possible**, *e.g.* directly from the project page.
- **Curating** license findings and copyright findings **manually**.

OSSelot curation guidelines: Copyrights

- Findings that were **incorrectly identified** as a copyright statement (*e.g.* license texts, code, *etc.*) are removed.
- Content that is not part of the copyright notice (*e.g.* formatting signs, license notices, comments on content, code, *etc.*) is removed from the copyright notice.
- If the source code tree contains an **AUTHORS** file, the content of this is given as value to the SPDX tag "PackageCopyrightText".

Curating copyright notices

FOSSology Findings

ScanCode Findings

User Findings

Activated FOSSology Findings statements:

Show entries

Search:

Count	FOSSology Findings		<input type="checkbox"/>
1	copyright::year_of(\$0); print <<"EOF";	deactivated [Undo]	<input type="checkbox"/>
1	COPYRIGHT_YEAR}' if defined \$ENV{'OSSL_COPYRIGHT_YEAR';	deactivated [Undo]	<input type="checkbox"/>
1	copyright the software, and 2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.	deactivated [Undo]	<input type="checkbox"/>
1	Copyright .* The OpenSSL Project Authors/;	✘	<input type="checkbox"/>
1	Copyright text was shrunk to a boilerplate that points to the license shared" builds are now the default when possible Added support for "pipelining" Added the AFALG engine New threading API implemented Support for ChaCha20 and Poly1305 added to libcrypto and libssl Support for extended master secret CCM ciphersuites Reworked test suite, now based on perl, Test::Harness and Test::More Most* libcrypto and libssl public structures were made opaque, including: BIGNUM and associated types, EC_KEY and EC_KEY_METHOD, DH and DH_METHOD, DSA and DSA_METHOD, RSA and RSA_METHOD, BIO and BIO_METHOD, EVP_MD_CTX, EVP_MD, EVP_CIPHER_CTX, EVP_CIPHER, EVP_PKEY and associated types, HMAC_CTX, X509, X509_CRL, X509_OBJECT, X509_STORE_CTX, X509_STORE, X509_LOOKUP, X509_LOOKUP_METHOD libssl internal structures made opaque SSLv2 support removed Kerberos ciphersuite support removed RC4 removed from DEFAULT ciphersuites in libs	deactivated [Undo]	<input type="checkbox"/>
1	copyright: stringz "Montgomery multiplication for IA-64, CRYPTOGRAMS by <aprol@openssl.org>"	deactivated [Undo]	<input type="checkbox"/>
1	Copyright Siemens AG 2020	✘	<input type="checkbox"/>
1	Copyright Siemens AG 2019-2020	✘	<input type="checkbox"/>
1	copyright purposes. It does not necessarily list everyone who has contributed code,	deactivated [Undo]	<input type="checkbox"/>
1	<input type="text" value="Copyright Patrick Powell 1995 This code is based on code written by Patrick Powell <papowell@astart.com>"/>	✘	<input type="checkbox"/>
1	copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and	deactivated [Undo]	<input type="checkbox"/>

Curating copyright notices per file

Hide Legend

```
* Original BSD copyright notice is retained at the end of this file.
*
* Copyright (c) 1989, 1991, 1993, 1994
* The Regents of the University of California. All rights reserved.
*
* Copyright (c) 1997-2005 Herbert Xu <herbert@gondor.apana.org.au>
* was re-ported from NetBSD and debianized.
*
* rewrite arith.y to micro stack based cryptic algorithm by
* Copyright (c) 2001 Aaron Lehmann <aaronl@vitelus.com>
*
* Modified by Paul Mundt <lethal@linux-sh.org> (c) 2004 to support
* dynamic variables.
*
* Modified by Vladimir Oleynik <dzo@simtreas.ru> (c) 2001-2005 to be
* used in busybox and size optimizations,
* rewrote arith (see notes to this), added locale support,
* rewrote dynamic variables.
*
* Licensed under GPLv2 or later, see file LICENSE in this source tree.
*/
/* Copyright (c) 2001 Aaron Lehmann <aaronl@vitelus.com>
*
* 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
```

Legend
file text
copyright remark
URL
e-mail address
author or maintainer

Count ▾	FOSSology ▾	
2	Copyright (c) 2001 Aaron Lehmann <aaronl@vitelus.com>	✘
2	Copyright (c) 1989, 1991, 1993, 1994 The Regents of the University of California. All rights reserved.	✘
1	Modified by Paul Mundt <lethal@linux-sh.org> (c) 2004 to support dynamic variables.	✘
1	copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.	✘
1	copyright notice, this list of conditions and the following disclaimer.	✘
1	Copyright (c) 1997-2005 Herbert Xu <herbert@gondor.apana.org.au> was re-ported from NetBSD and debianized.	✘
1	(C) 2003 Vladimir Oleynik <dzo@simtreas.ru>	✘
1	(c) 2001-2005 to be used in busybox and size optimizations, rewrote arith (see notes to this), added locale support, rewrote dynamic variables.	✘

Showing 1 to 8 of 8 entries

Page

Curating copyright notices per file

Hide Legend

```
* Original BSD copyright notice is retained at the end of this file.
*
* Copyright (c) 1989, 1991, 1993, 1994
* The Regents of the University of California. All rights reserved.
*
* Copyright (c) 1997-2005 Herbert Xu <herbert@gondor.apana.org.au>
* was re-ported from NetBSD and debianized.
*
* rewrite arith.y to micro stack based cryptic algorithm by
* Copyright (c) 2001 Aaron Lehmann <aaronl@vitelus.com>
*
* Modified by Paul Mundt <lethal@linux-sh.org> (c) 2004 to support
```

```
* Modified by Vladimir Oleynik <dzo@simtreas.ru> (c) 2001-2005 to be
* used in busybox and size optimizations,
* rewrote arith (see notes to this), added locale support,
* rewrote dynamic variables.
```

```
*/
/* Copyright (c) 2001 Aaron Lehmann <aaronl@vitelus.com>
*
* 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
```

Count	FOSSology	
2	Copyright (c) 2001 Aaron Lehmann <aaronl@vitelus.com>	✘
2	Copyright (c) 1989, 1991, 1993, 1994 The Regents of the University of California. All rights reserved.	✘
1	Modified by Paul Mundt <lethal@linux-sh.org> (c) 2004 to support dynamic variables.	✘
1	copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.	✘
1	copyright notice, this list of conditions and the following disclaimer.	✘
1	Copyright (c) 1997-2005 Herbert Xu <herbert@gondor.apana.org.au> was re-ported from NetBSD and debianized.	✘
1	(C) 2003 Vladimir Oleynik <dzo@simtreas.ru>	✘

(c) 2001-2005 to be used in busybox and size optimizations, rewrote arith (see notes to this), added locale support, rewrote dynamic variables.

Curating copyright notices per file

```
* Copyright (c) 1989, 1991, 1993, 1994
* The Regents of the University of California. All rights reserved.
*
* Copyright (c) 1997-2005 Herbert Xu <herbert@gondor.apana.org.au>
* was re-ported from NetBSD and debianized.
*
* rewrite arith.y to micro stack based cryptic algorithm by
* Copyright (c) 2001 Aaron Lehmann <aaronl@vitelus.com>
*
* Modified by Paul Mundt <lethal@linux-sh.org> (c) 2004 to support
* dynamic variables.
*
* Modified by Vladimir Oleynik <dzo@simtreas.ru> (c) 2001-2005 to be
* used in busybox and size optimizations.
* rewrote arith (see notes to this), added locale support.
* rewrote dynamic variables.
*
* Licensed under GPLv2 or later, see file LICENSE in this source tree.
*/
/* Copyright (c) 2001 Aaron Lehmann <aaronl@vitelus.com>
*
* 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
```

Legend
file text
copyright remark
URL
e-mail address
author or maintainer

FOSSology ScanCode

Activated FOSSology statements:

Show 50 entries Search:

Count	FOSSology	
2	Copyright (c) 2001 Aaron Lehmann <aaronl@vitelus.com>	✘
2	Copyright (c) 1989, 1991, 1993, 1994 The Regents of the University of California. All rights reserved.	✘
1	Modified by Paul Mundt <lethal@linux-sh.org> (c) 2004 to support dynamic variables.	✘
1	Copyright (c) 1997-2005 Herbert Xu <herbert@gondor.apana.org.au>	✘
1	(C) 2003 Vladimir Oleynik <dzo@simtreas.ru>	✘

Showing 1 to 6 of 6 entries Page

Vladimir Oleynik <dzo@simtreas.ru> (c) 2001-2005

OSSelot curation guidelines: Licenses (1)

- Review is done on **file level**, *i.e.* every file in the source code tree for which at least one scanner found a result is analyzed and **confirmed or corrected**.
→ individually or via Bulk Recognition

Curation

Cleared: 0/3318

Hide Legend

```
/*
 * Copyright 1995-2021 The OpenSSL Project Authors. All Rights Reserved.
 *
 * Licensed under the Apache License 2.0 (the "License"). You may not use
 * this file except in compliance with the License. You can obtain a copy
 * in the file LICENSE in the source distribution or at
 * https://www.openssl.org/source/license.html
 */

#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include "apps.h"
#include "progs.h"
#include <openssl/err.h>
#include <openssl/evp.h>
#include <openssl/x509.h>
#include <openssl/pem.h>
#include <openssl/asn1t.h>

typedef enum OPTION_choice {
OPT_COMMON,
OPT_INFORM, OPT_IN, OPT_OUT, OPT_INDENT, OPT_NOOUT,
OPT_OID, OPT_OFFSET, OPT_LENGTH, OPT_DUMP, OPT_DLIMIT,
OPT_STRPARSE, OPT_GENSTR, OPT_GENCONF, OPT_STRICTPEM,
OPT_ITEM
} OPTION_CHOICE;

const OPTIONS asn1parse_options[] = {
OPT_SECTION("General"),
{"help", OPT_HELP, '-', "Display this summary"},
{"oid", OPT_OID, '<', "file of extra oid definitions"},
```

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 ⓘ
- Irrelevant ⓘ
- Identified ⓘ
- Do not use ⓘ
- Non functional ⓘ

Action ⓘ ▲	License ⓘ ⬆	Source ⓘ	License Text ⓘ	Acknowledgement ⓘ	Comment ⓘ
✖ ☆	Apache-2.0	nomos: #1	Click to add	Click to add	Click to add
✖ ☆	OpenSSL	nomos: #1 scancode: #1 (97 %)	Click to add	Click to add	Click to add

Showing 1 to 2 of 2 entries

User Decision ... ⓘ

Bulk Recognition ... ⓘ

Clearing History ... ⓘ

Curation: Scanner findings

Cleared: 0/3318

Hide Legend

```
/*
 * Copyright 1995-2021 The OpenSSL Project Authors. All Rights Reserved.
 *
 * Licensed under the Apache License 2.0 (the "License"). You may not use
 * this file except in compliance with the License. You can obtain a copy
 * in the file LICENSE in the source distribution or at
 * https://www.openssl.org/source/license.html
 */

#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include "apps.h"
#include "progs.h"
#include <openssl/err.h>
#include <openssl/evp.h>
#include <openssl/x509.h>
#include <openssl/pem.h>
#include <openssl/asn1t.h>

typedef enum OPTION_choice {
OPT_COMMON,
OPT_INFORM, OPT_IN, OPT_OUT, OPT_INDENT, OPT_NOOUT,
OPT_OID, OPT_OFFSET, OPT_LENGTH, OPT_DUMP, OPT_DLIMIT,
OPT_STRPARSE, OPT_GENSTR, OPT_GENCONF, OPT_STRICTPEM,
OPT_ITEM
} OPTION_CHOICE;

const OPTIONS asn1parse_options[] = {
OPT_SECTION("General"),
{"help", OPT_HELP, '-', "Display this summary"},
{"oid", OPT_OID, '<', "file of extra oid definitions"},
```

< 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 ⓘ
- Irrelevant ⓘ
- Identified ⓘ
- Do not use ⓘ
- Non functional ⓘ

Legend:
license relevant

Action ⓘ ▲	License ⓘ ⬆	Source ⓘ
✖ ☆	Apache-2.0	nomos: #1
✖ ☆	OpenSSL	nomos: #1 scancode: #1 (97 %)

Curation: License relevant text

Cleared: 0/3318

Hide Legend

< Submit >

- Go through all files [?](#)
- Go through all files with licenses [?](#)
- Go through all files with licenses and no clearing result [?](#)

```
/*  
 * Copyright 1995-2021 The OpenSSL Project Authors. All Rights Reserved.  
 *  
 * Licensed under the Apache License 2.0 (the "License"). You may not use  
 * this file except in compliance with the License. You can obtain a copy  
 * in the file LICENSE in the source distribution or at  
 * https://www.openssl.org/source/license.html  
 */
```

```
#include <openssl/err.h>  
#include <openssl/evp.h>  
#include <openssl/x509.h>  
#include <openssl/pem.h>  
#include <openssl/asn1t.h>
```

```
typedef enum OPTION_choice {  
OPT_COMMON,  
OPT_INFORM, OPT_IN, OPT_OUT, OPT_INDENT, OPT_NOOUT,  
OPT_OID, OPT_OFFSET, OPT_LENGTH, OPT_DUMP, OPT_DLIMIT,  
OPT_STRPARSE, OPT_GENSTR, OPT_GENCONF, OPT_STRICTPEM,  
OPT_ITEM  
} OPTION_CHOICE;
```

```
const OPTIONS asn1parse_options[] = {  
OPT_SECTION("General"),  
{ "help", OPT_HELP, '-', "Display this summary"},  
{ "oid", OPT_OID, '<', "file of extra oid definitions"},
```

Legend:
license relevant text

ring decision scope

ring decision to all future occurrences of this file [?](#)

ring decision type

ring decision known [?](#)

ring decision discussed [?](#)

ring decision relevant [?](#)

- Identified [?](#)
- Do not use [?](#)
- Non functional [?](#)

Action ? ^	License ? v	Source ?	License Text ?	Acknowledgement ?	Comment ?
✖ ★	Apache-2.0	nomos: #1	Click to add	Click to add	Click to add
✖ ★	OpenSSL	nomos: #1 scancode: #1 (97%)	Click to add	Click to add	Click to add

Showing 1 to 2 of 2 entries

User Decision ... [?](#)

Bulk Recognition ... [?](#)

Clearing History ... [?](#)

Curation: Decision

Cleared: 0/3318

Hide Legend

```

/*
 * Copyright 1995-2021 The OpenSSL Project Authors. All Rights Reserved.
 *
 * Licensed under the Apache License 2.0 (the "License"). You may not use
 * this file except in compliance with the License. You can obtain a copy
 * in the file LICENSE in the source distribution or at
 * https://www.openssl.org/source/license.html
 */

```

```

#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include "apps.h"
#include "progs.h"
#include <openssl/err.h>
#include <openssl/evp.h>
#include <openssl/x509.h>
#include <openssl/pem.h>
#include <openssl/asn1t.h>

```

```

typedef enum OPTION_choice {
OPT_COMMON,
OPT_INFORM, OPT_IN, OPT_OUT, OPT_INDENT, OPT_NOOUT,
OPT_OID, OPT_OFFSET, OPT_LENGTH, OPT_DUMP, OPT_DLIMIT,
OPT_STRPARSE, OPT_GENSTR, OPT_GENCONF, OPT_STRICTPEM,
OPT_ITEM
} OPTION_CHOICE;

```

```

const OPTIONS asn1parse_options[] = {
OPT_SECTION("General"),
{"help", OPT_HELP, '-', "Display this summary"},
{"oid", OPT_OID, '<', "file of extra oid definitions"},

```





Legend:
license relevant text

< Submit >

- Go through all files [i](#)
- Go through all files with licenses [i](#)
- Go through all files with licenses and no clearing result [i](#)

Clearing decision type

- No license known [i](#)
- To be discussed [i](#)
- Irrelevant [i](#)
- Identified [i](#)
- Do not use [i](#)
- Non functional [i](#)

Action i ▲	License i ⬆	Source i
 	Apache-2.0	nomos: #1 reportImport Imported decision
 	OpenSSL	nomos: #1 scancode: #1 (97 %)

Acknowledgement i	Comment i
Click to add	Click to add
-	-

Curation: Bulk Recognition

Cleared: 0/3318

Hide Legend

```
/*  
 * Copyright 1995-2021 The OpenSSL Project Authors. All Rights Reserved.  
 *  
 * Licensed under the Apache License 2.0 (the "License"). You may not use  
 * this file except in compliance with the License. You can obtain a copy  
 * in the file LICENSE in the source distribution or at  
 * https://www.openssl.org/source/license.html  
 */  
  
#include <stdio.h>  
#include <stdlib.h>  
#include <string.h>  
#include "apps.h"  
#include "progs.h"  
#include <openssl/err.h>  
#include <openssl/evp.h>  
#include <openssl/x509.h>  
#include <openssl/pem.h>  
#include <openssl/asn1t.h>  
  
typedef enum OPTION_choice {  
OPT_COMMON,  
OPT_INFORM, OPT_IN, OPT_OUT, OPT_INDENT, OPT_NOOUT,  
OPT_OID, OPT_OFFSET, OPT_LENGTH, OPT_DUMP, OPT_DLIMIT,  
OPT_STRPARSE, OPT_GENSTR, OPT_GENCONF, OPT_STRICTPEM,  
OPT_ITEM  
} OPTION_CHOICE;  
  
const OPTIONS asn1parse_options[] = {  
OPT_SECTION("General"),  
{ "help", OPT_HELP, '-', "Display this summary"},  
{ "oid", OPT_OID, '<', "file of extra oid definitions"},
```

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 [?](#)
- Irrelevant [?](#)
- Identified [?](#)
- Do not use [?](#)
- Non functional [?](#)

Action ? ^	License ? v	Source ?	License Text ?	Acknowledgement ?	Comment ?
 	Apache-2.0	nomos: #1	Click to add	Click to add	Click to add
 	OpenSSL	nomos: #1 scancode: #1 (97 %)	Click to add	Click to add	Click to add

Showing 1 to 2 of 2 items

User

Bulk Recognition ...



Curation: Bulk Recognition

Cleared: 0/3318

Bulk Recognition



Notice: Since punctuation is included in the matching process, periods needs to be included in the phrases if the word just before is included.

Hint: New license candidates can be added via [menu Organize>Licenses](#)

OpenSSL Show license

Action	License	License Text	Acknowledgement	Comment	
Add	Apache-2.0	Click to add	Click to add	Click to add	
Remove	OpenSSL	Click to add	Click to add	Click to add	

Reference text:

```
* Licensed under the Apache License 2.0 (the "License"). You may not use
* this file except in compliance with the License. You can obtain a copy
* in the file LICENSE in the source distribution or at
* https://www.openssl.org/source/license.html|
```

scan whole Upload

Ignore conflicts

Ignore Irrelevant files

Custom delimiters

Cancel

Clean text

Schedule Bulk scan

```
/*
 * Copyright 1995-2021 The OpenSSL Project
 *
 * Licensed under the Apache License 2.0 (the
 * this file except in compliance with the Licen
 * in the file LICENSE in the source distributi
 * https://www.openssl.org/source/license.htm
 */
```

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include "apps.h"
#include "progs.h"
#include <openssl/err.h>
#include <openssl/evp.h>
#include <openssl/x509.h>
#include <openssl/pem.h>
#include <openssl/asn1t.h>
```

```
typedef enum OPTION_choice {
OPT_COMMON,
OPT_INFORM, OPT_IN, OPT_OUT, OPT_INI,
OPT_OID, OPT_OFFSET, OPT_LENGTH, O
OPT_STRPARSE, OPT_GENSTR, OPT_GE
OPT_ITEM
} OPTION_CHOICE;
```

```
const OPTIONS asn1parse_options[] = {
OPT_SECTION("General"),
{"help", OPT_HELP, '-', "Display this summar
{"oid", OPT_OID, '<', "file of extra oid definitio
```

result

Acknowledgement	Comment
Click to add	Click to add
Click to add	Click to add

OSSelot curation guidelines: Main license

- Only if there is a **main license** for the package, *e.g.* LICENSE / COPYING / README file in root directory → given as value to the SPDX tag **“PackageLicenseDeclared”**.
- This license is not automatically valid for all files and there is usually more than this one license in a package.

[busybox-1.36.1.tar.bz2/busybox-1.36.1.tar/busybox-1.36.1/LICENSE](#)






[Software Heritage](#) | [License Browser](#) | [File Browser](#) • [Conf](#) | [Info](#) | [View](#) | [Licenses](#) | [Copyright/Email/Url/Author](#) | [ECC](#) | [keyword](#) | [Bucket](#) | [Spasht](#) • [Hex](#) | [Text](#) | [For](#)

Cleared: 0/839

Hide Legend

--- A note on GPL versions

BusyBox is **distributed** under version 2 of the General Public **License** (included in its entirety, below). Version 2 is the only version of this **license** which this version of BusyBox (or modified versions derived from this one) may be **distributed** under.

Action  	License 
 	GPL-2.0

OSSelot curation guidelines: License Comments

- In case a license conclusion is not obvious, **the decision is explained** in the "Comments" section which maps to the SPDX tag "**LicenseComments**".

Hide Legend

< Submit >

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

```
/*
 * Copyright 2004-2016 The OpenSSL Project Author
 *
 * Licensed under the Apache License 2.0 (the "License")
 * this file except in compliance with the License. You
 * in the file LICENSE in the source distribution or at
 * https://www.openssl.org/source/license.html
 */

/*
 * This file is dual-licensed and is also available under
 * terms:
 *
 * Copyright (c) 2004, Richard Levitte <richard@levitt
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms
 * modification, are permitted provided that the followin
 * are met:
 * 1. Redistributions of source code must retain the
 * notice, this list of conditions and the following disclai
 * 2. Redistributions in binary form must reproduce th
 * notice, this list of conditions and the following disclai
 * documentation and/or other materials provided with
 *
 * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT
 * AS IS" AND ANY EXPRESS OR IMPLIED WARRANT
 * LIMITED TO, THE IMPLIED WARRANTIES OF ME
 * A PARTICULAR PURPOSE ARE DISCLAIMED. IN
 * OWNER OR CONTRIBUTORS BE LIABLE FOR AN
 * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DA
 * LIMITED TO, PROCUREMENT OF SUBSTITUTE G
 * DATA, OR PROFITS; OR BUSINESS INTERRUPTI
 * THEORY OF LIABILITY, WHETHER IN CONTRAC
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARI
 * OF THIS SOFTWARE, EVEN IF ADVISED OF THE
 */
```

Enter Content

Please enter the text phrase:

The information in the file is:
Besides the Apache-2.0 header the following information is in the file:
This file is dual-licensed and is also available under the following terms:
Followed by the BSD-2-clause license text. Thus dual licensing was
concluded.

Cancel Ok

License Recommendation	Acknowledgement	Comment
distribution ...	Click to add	Click to add
Click to add	Click to add	The information...
Click to add	Click to add	Click to add
-	-	-

OSSelot curation guidelines: License Comments

- License comments are made with the following heuristic:

The information in the file is:

```
"[Quote licensing information in the source code file]"
```

```
[Give reason for conclusion] Therefore, [license] is concluded.
```

OSSelot curation guidelines: License Comments

- License comments are made with the following heuristic:

The information in the file is:

```
"[Quote licensing information in the source code file]"
```

```
[Give reason for conclusion] Therefore, [license] is concluded.
```

- **Example 1: No version of the license is given**

The information in the file is:

```
"This file is GPL'd."
```

```
As no version of the GPL is given, GPL-1.0-or-later is concluded.
```

OSSelot curation guidelines: License Comments

- License comments are made with the following heuristic:

The information in the file is:

```
"[Quote licensing information in the source code file]"  
[Give reason for conclusion] Therefore, [license] is concluded.
```

- **Example 2: URL for license text**

The information in the file is:










```
"This file is licensed under License A. You can find the license  
text at https://www.LicenseTextOfLicenseA.com."  
The URL contains the license text of License A, therefore License  
A is concluded. The information was retrieved on [date].
```


Common corrections of scanner findings (1)

- **Not a license:** The scanner concludes a license from an expression in a file that is not actually a license expression at all.

```
typedef int32_t lng;  
  
typedef ush Pos;  
typedef unsigned IPos;  
/* A Pos is an index in the character window. We use short instead of int to  
* save space in the various tables. IPos is used only for parameter passing.  
*/  
  
enum {  
    WINDOW_SIZE = 2 * WSIZE,
```

Legend:
license relevant text

Action  ▲	License  ⬆	Source 
 	Zlib	scancode: #1 (100 %)
 	GPL-1.0+	scancode: #1 (78 %)
 	GPL-2.0+	scancode: #1 (100 %) nomos: #1

Showing 1 to 3 of 3 entries










Common corrections of scanner findings (2)

- **Not the file's license:** The scanner concludes a license from a license expression that is part of the file's content but not the license of the file itself.

This can be disabled by turning off `FEATURE_SHOW_SCRIPT` in the configuration, though it won't prevent a determined user from extracting the **source code**.

It can be argued that embedded scripts are linked into the BusyBox binary and are therefore not **subject to** the 'mere aggregation' exception in the GPL. If this is the case embedded scripts should have a **licence** compatible with BusyBox's GPL v2-only **licence**.

Legend:
license relevant text

Action  	License  	Source 
 	GPL-1.0+	scancode: #1 (85 %)
 	GPL-2.0	scancode: #1 (99 %) nomos: #1

Showing 1 to 2 of 2 entries

Common corrections of scanner findings (3)









- **License text:** Files that contain only a license text (e.g. COPYING) are concluded by the scanners to be licensed under the respective license. This is usually not correct. Most license texts are not explicitly licensed. The GNU licenses contain a license statement for the license text itself which is concluded for these cases.

GNU GENERAL PUBLIC **LICENSE**

Version 2, June 1991

Copyright (C) 1989, 1991 **Free Software** Foundation, Inc.
51 Franklin St, 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.

Preamble

Action  	License 	Source 
	GPL-2.0-or-later WITH Autoconf-exception	monk: #1 (98 %)
	License-of-GNU-Licenses	User decision
	GPL-2.0+	monk: #1 (99 %)
	GPL-2.0	nomos: #1 scancode: #1 (100 %)

Showing 1 to 4 of 4 entries

Common corrections of scanner findings (4)

- **Generic license texts:** If an individual text differs from the generic text, the individual license text is provided (especially BSD-type licenses).

```
Hide Legend
*
* Copyright (c) 2004, Richard Levitte <richard@levitte.org>
* All rights reserved.
*
* # Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
*
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
* TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/
#endif LPDIR_H
#include "LPdir.h"
#endif
```





Legend:
license text:
- identical
- modified
- added
- removed
license relevant text
keyword
bulk

< 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 *?*
 Irrelevant *?*
 Identified *?*
 Do not use *?*
 Non functional *?*

**Monk (text comparison):
90 % match**

Action <i>?</i>	License <i>?</i>	Source <i>?</i>	License Text <i>?</i>	Acknowledgement <i>?</i>	Comment <i>?</i>
 	BSD-2-Clause	reportImport: , , scancode: #1 (90%) monk: #1 (90%) Imported decision	Redistribution ...	Click to add	Click to add
 	Dual-license	reportImport: , , nomos: #1	Click to add	Click to add	Click to add

Common corrections of scanner findings (4)

- **Generic license texts:** If an individual text differs from the generic text, the individual license text is provided (especially BSD-type licenses).

The screenshot shows a software scanner interface. On the left, a code snippet is visible with several lines highlighted in green, indicating a license text finding. The main part of the interface is a dialog box titled "Enter Content".

Enter Content Dialog:

Please enter the text phrase:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Buttons: Clean Text, Cancel, Ok

Below the dialog, there is a search bar with the text "keyword bulk".

On the right, there are several settings and a table of results.

Settings:

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

Table:

License	Source	License Text	Acknowledgement	Comment
BSD-2-Clause	reportImport: , , scancode: #1 (99 %) monk: #1 (90 %) Imported decision	Redistribution ...	Click to add	Click to add
Dual-license	reportImport: , , nomos: #1	Click to add	Click to add	Click to add








An orange arrow points from the "License Text" column of the table to the "Enter Content" dialog.

Common corrections of scanner findings (5)

- **Imprecise finding:** The scanner finding might be imprecise, *e.g. w.r.t.* to the version of a license. This is concluded *e.g.* as v1.0-or-later.

```
* This file can be redistributed under the terms of the GNU General
* Public License
*/
//config:config CHATTR
//config: bool "chattr (3.8 kb)"
//config: default y
//config: help
```

Legend:
license relevant text

Action 	License 	Source 
 	GPL-1.0+	scancode: #1 (100 %)
 	GPL	nomos: #1

Showing 1 to 2 of 2 entries

Common corrections of scanner findings (6)

- **Dual licensing:** If the context requires to chose one specific license, this choice must be noted. In any case, all applicable licenses are concluded. Dual licensing with more than two licenses requires manual post-processing.

Dual licensing

Hide Legend

```

/*
 * Copyright 2004-2016 The OpenSSL Project Authors. All Rights Reserved.
 *
 * Licensed under the Apache License 2.0 (the "License"). You may not use
 * this file except in compliance with the License. You can obtain a copy
 * in the file LICENSE in the source distribution or at
 * https://www.openssl.org/source/license.html
 */

/*
 * This file is dual-licensed and is also available under the following
 * terms:
 *
 * Copyright (c) 2004, Richard Levitte <richard@levitte.org>
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 */
SPDX tag:value
LicenseConcluded:
LicenseRef-Apache-2.0 OR LicenseRef-BSD-2-
Clause-3185f2587757a9c63eaa83143f7c0386
/*
 * OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

```

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
- Irrelevant
- Identified

Action	License	Source	Knowledge	Comment
 	BSD-2-Clause	reportImport: , , scancode: #1 (99 %) monk: #1 (90 %) Imported decision	Click to add	Click to add
 	Dual-license	reportImport: , , nomos: #1 Imported decision	Click to add	The information...
 	Apache-2.0	reportImport: , , nomos: #1 scancode: #1 (100 %) Imported decision	Click to add	Click to add
 	OpenSSL	nomos: #1 scancode: #1 (99 %)		-



Dual licensing (more than 2 licenses)

```
* Copyright (c) 1986-2003 may safely be consumed by a BSD or GPL license.  
* Written by: Vladimir Oleynik <dzo@simtreas.ru>  
*  
* Used ideas:  
* Adam Rogoyski <rogoyski@cs.utexas.edu>  
* Dave Cinege <dcinege@psychosis.com>  
* Jakub Jelinek (c) 1995  
* Erik Andersen <andersen@codepoet.org> (Majorly adjusted for busybox)  
*  
* This code is 'as is' with no warranty.  
*/
```

License ⓘ
LicenseRef-scancode-warranty-disclaimer
GPL-1.0-or-later
Dual-license
BSD-3-Clause



SPDX tag:value Post-Processing

LicenseConcluded:

LicenseRef-scancode-warranty-disclaimer AND LicenseRef-GPL-1.0-or-later AND LicenseRef-BSD-3-Clause AND LicenseRef-Dual-license

Dual licensing (more than 2 licenses)

```
* Copyright (c) 1986-2003 may safely be consumed by a BSD or GPL license.  
* Written by: Vladimir Oleynik <dzo@simtreas.ru>  
*  
* Used ideas:  
* Adam Rogoyski <rogoyski@cs.utexas.edu>  
* Dave Cinege <dcinege@psychosis.com>  
* Jakub Jelinek (c) 1995  
* Erik Andersen <andersen@codepoet.org> (Majorly adjusted for busybox)  
*  
* This code is 'as is' with no warranty.  
*/
```

License ⓘ
LicenseRef-scancode-warranty-disclaimer
GPL-1.0-or-later
Dual-license
BSD-3-Clause



SPDX tag:value Post-Processing

LicenseConcluded:

LicenseRef-scancode-warranty-disclaimer AND (LicenseRef-GPL-1.0-or-later OR LicenseRef-BSD-3-Clause)

Common corrections of scanner findings (7)

- **License exceptions:** Fossology notes the license and the exception as separate findings. This is corrected to one finding using the SPDX license expression [License] WITH [exception], *e.g.* GPL-2.0-or-later WITH GCC-exception-2.0.

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 **License** for more details.

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 02111-1307, USA. */

/* As a special exception, when this file is copied by Bison into a Bison output file, you may use that output file **without restriction**. This special exception was added by the **Free Software** Foundation in version 1.24 of Bison. */

Legend:

license relevant text

- Identified ⓘ
- Do not use ⓘ
- Non functional ⓘ

Action ⓘ ▲	License ⓘ	Source ⓘ
⊕ ☆	LicenseRef-scancode-bison-exception-2.0	scancode: #1 (95 %)
⊕ ☆	Bison-exception	nomos: #1
⊕ ☆	GPL-2.0+	nomos: #1 scancode: #1 (95 %)
⊕ ☆	GPL-2.0	scancode: #1 (100 %)
⊗ ☆	GPL-2.0-or-later-WITH-Bison-exception	User decision










Showing 1 to 5 of 5 entries

Common corrections of scanner findings (8)

- **External references:** If a file does not contain the name or text of a license but references an external resource, such as a COPYRIGHT file in the root directory or a URL, the external reference is checked, the detected license is concluded and the process is documented as a LicenseComment (in case of a URL, the date of access is noted).

```
# This program is free software; you can redistribute it and/or modify it  
# under the same terms as Perl itself.  
use Getopt::Long qw(:config no_auto_abbrev no_ignore_case);  
use File::Find;  
use strict;  
  
# Set up some default values  
my $kdir=""
```

Legend:
license relevant text

Action 	License 	Source 
 	GPL-1.0+	nomos scancode: #1 (100 %)
 	Artistic-1.0-Perl	nomos: #1 scancode: #1 (100 %)
 	Dual-license	nomos

Showing 1 to 3 of 3 entries

And now: The unexpected (1)

```
# Copyright (c) 2012 The Chromium OS Authors.  
# Use of this source code is governed by a BSD-style license that can be  
# found in the LICENSE file.
```

and no clearing result ⓘ

```
This module holds a subclass of subprocess.Popen with our own required  
features, mainly that we get access to the subprocess output while it  
is running rather than just at the end. This makes it easier to show  
progress information and filter output in real time.  
"""
```

```
import errno  
import os  
import pty  
import select  
import subprocess  
import sys  
import unittest
```

```
# Import these here so the caller does not need to import subprocess also.  
PIPE = subprocess.PIPE  
STDOUT = subprocess.STDOUT  
PIPE_PTY = -3 # Pipe output through a pty  
stay_alive = True
```

arg decision type

use known ⓘ
discussed ⓘ
int ⓘ
ed ⓘ
use ⓘ
ctional ⓘ

Legend:
license relevant text

License ⓘ	Source ⓘ	License Text ⓘ	Acknowledgement ⓘ	Comment ⓘ
BSD	nomos: #1	-	-	-
BSD-3-Clause	scancode: #1 (95 %) Bulk: #6795416	Redistribution ...	Click to add	The information...

And now: The unexpected (1)

```
# Copyright (c) 2012 The Chromium OS Authors  
# Use of this source code is governed by a BSD-  
# found in the LICENSE file.
```

```
"""Subprocess execution
```

```
This module holds a subclass of subprocess.Popen  
features, mainly that we get access to the subpro  
is running rather than just at the end. This makes  
progress information and filter output in real time  
"""
```

```
import errno  
import os  
import pty  
import select  
import subprocess  
import sys  
import unittest
```

```
# Import these here so the caller does not need  
PIPE = subprocess.PIPE  
STDOUT = subprocess.STDOUT  
PIPE_PTY = -3 # Pipe output through a pty  
stay_alive = True
```

Enter Content

Please enter the text phrase:

The information in the file is:

The Chromium OS Authors.
Use of this source code is governed by a BSD-style license that
can be found in the LICENSE file.

Since no text of the BSD-3-Clause license is given, neither in
this directory nor in the superordinate ones, we checked the
License file in the GitHub repo of Chromium-os. The LICENSE
file contains the text of an individualized BSD-3-Clause license,
which we took and concluded BSD-3-Clause as license of this
file.

The information was retrieved on 17th of Feb 2024

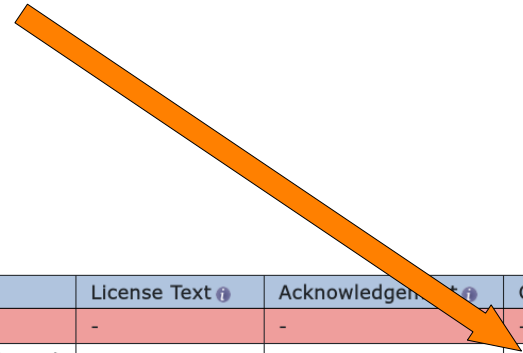
Cancel

Ok

with licenses and no clearing result

of this file

	License Text	Acknowledgement	Comment
(95 %) 16	Redistribution ...	Click to add	The information...



And now: The unexpected (2)

- When there is no license information, check copyright findings:

My-Package.zip/My-Package/FG_Virgil.ttf

License Browser | File Browser • Conf | Info | View | Licenses | Copyright/Email/Uri/Author | ECC | keyword | Bucket | Spasht • Hex | Text | Formatted • Refresh

[First] [Prev] 1 2 3

```
t
#0
7 D Æ à Jî 8 N I h *ê *
> 4À 46
*( 4R Copyright (c) 2011 by Your Own Font Foundry. All rights reserved.Virgil 3
YOFFRegularYourOwnFontFoundry: Virgil YOFF: 2011Virgil 3 YOFFVersion 001.001Virgil3YOFFVirgil YOFF is a
trademark of Your Own Font Foundry.Your Own Font FoundryYour Own Font FoundryCopyright (c) 2011 by Your
Own Font Foundry. All rights reserved.http://www.yourownfont.comhttp://www.yourownfont.comFreeware for
personal use! For commercial license please go to https://www.yourownfont.com/ and make a donation! It can be
as much as you want it to.http://www.yourownfont.comVirgil 3 YOFFRegularVirgil 3 YOFFCopyright (c) 2011 by
Your Own Font Foundry. All rights reserved.Virgil 3 YOFFRegularYourOwnFontFoundry: Virgil YOFF:
2011Virgil3YOFFVersion 001.001Virgil3YOFFVirgil YOFF is a trademark of Your Own Font Foundry.Your Own Font
FoundryYour Own Font FoundryCopyright (c) 2011 by Your Own Font Foundry. All rights reserved.http://
www.yourownfont.comhttp://www.yourownfont.comFreeware for personal use! For commercial license please go
to https://www.yourownfont.com/ and make a donation! It can be as much as you want it to.http://
www.yourownfont.comVirgil 3 YOFFRegularÿ
```

Scanner findings:

FOSSology ScanCode

Activated FOSSology statements:

Show 50 entries Search:

Count	FOSSology		
1	Copyright (c) 2011 by Your Own Font Foundry. All rights reserved.	✖	☐

Showing 1 to 1 of 1 entries Page 1 of 1

Advance search: ⓘ

And now: The unexp

My-Package.zip/My-Package/FG_Virgil.ttf

Software Heritage | License Browser | File Browser • Conf | Info | View | Lic

Cleared: 41/41

1 2 3 [Next][Last] Hide Legend

```
GPOS`H,LTSH+ (
`OS/2[Y4Ö `` `VDMXoSVÉ]âcmap07iaB¾cvt M2JXfpgmY7HLSglyf
âppJx hdmx!Ô9È\00headIB],6hheaCd$hmtx²ÄXkern-ÆE2@[âãloca÷øS\maxp' nameºNsÈXpostÍW , ò | prep=ÉIÀ-
UĀ_<ðèÙeEUkQºÿcyúæ} vp$ÿcyZæ
sAXKdd2ú `JYOFF@ ðÁνpu²UFÍü Eòð(9H-#.«*İB
Ĉ
Rq.%Ĉðÿð³ðÑDÿúĪõ
ðH?ji åŌ %Wÿÿ×ÿú(Ū>'
W
ºÿÖgÿ×ÖÇ` ýÍ[øÿú3V}èðÿñð
:ÿèμYüð
9#æÿçðìŪHÿÿÿLy+Ó*!@ÿÿIaÖ=A`ð
IĀ
ÿ×
V^¼`Íú=K
ÿ;!iÿ`8VÉ 9bĪŪ21
ÿúÿÿÿÿÿÿÿÿÿÿÿ(ÿ;Ū
ŌĀ ŌŌ¼Ōp\
[[-t&\ÿ÷1óð
!
h vþ:MŪÿŪÿzèBþ***ÿi*Eù
Ō"Ōÿÿÿÿÿÿÿ(ð
(ð
(ðÿðŪàŪ9ÿù### #ðòð"iÿâi|ÿÿŪÿŪÿQÿÿŪÿòŪ:h÷RHÿ ÿÿÿW
LW
```

Submit >

- Go th
- Go th
- Go th

Clearing decision

Apply decision to all fut

Clearing decision

- No license known ⓘ
- To be discussed ⓘ
- Irrelevant ⓘ
- Identified ⓘ
- Do not use ⓘ

Enter Content

Please enter the text phrase:

The information in the file is:
Copyright (c) 2011 by Your Own Font Foundry. All rights reserved. <http://www.yourownfont.com>
Freeware for personal use! For commercial license please go to <https://www.yourownfont.com/> and make a donation! It can be as much as you want it to.
We checked the given link among others the information displayed on the website is:
Free for personal use
82 free fonts available
Commercial use requires a donation
The FAQ contains examples about the license options: <https://yourownfont.com/shop/faqs/>
The company has "free fonts for personal use and here to option to use in in an commercial context after doing a donation and it has an elaborated licensing strategy
The concrete license of this font will be sent after checkout: "License will be sent to your e-mail after checkout."
The information was retrieved on 17th of Feb 2024

Refresh

Cancel Ok

Action ⓘ ▲	License ⓘ	Source ⓘ
✖ ⭐	Restrictive-Proprietary	User decision
⊕ ⭐	UnclassifiedLicense	nomos

Knowledge ⓘ	Comment ⓘ
Link to add	The information...
	-

How to curate license information for OSSelot
COOL March 20, 2024

Open Source Automation Development Lab (OSADL) eG

SPDX in OSSelot

- OSSelot SPDX reports serve as **stand-alone documents** to fulfill information obligations, *i.e.* **all license texts are included** and not only referenced.

SPDX tag:value report – Creation information

```
##-----  
## Creation Information  
##-----
```



Curator's name

Creator: Tool: spdx2

Creator: Person: Oliver Fendt

CreatorComment: <text>

This document was created using license information and a generator from Fossology.

It contains the license and copyright analysis of OpenSSL 3.0.5

Please check "LicenseComments" for explanations of concluded licenses

</text>

Created: 2022-07-06T14:58:22Z

LicenseListVersion: 2.6

SPDX tag:value report – Package information

```
##-----  
## Package Information  
##-----
```

```
PackageName: openssl-openssl-3.0.5.tar.gz
```

```
[...]
```

```
PackageChecksum: SHA1: edc3465a8a43ce580268e726b6f7b827f4a6261e
```

```
PackageChecksum: SHA256:  
b6363cf1bca88f0a46a768883a225e644135432d6a51ab1c4660ab58af541078
```

```
PackageChecksum: MD5: 22733b9187548b735201fd9f7aa12e71
```

```
PackageLicenseConcluded: NOASSERTION
```

```
PackageLicenseDeclared: LicenseRef-Apache-2.0
```

```
PackageLicenseComments: <text> Additional information found in: [File name of third  
party notices]
```

```
[Third party notices]
```

```
[...]</text>
```

```
[...]
```

Only if there is a main
license for the package
(LICENSE/COPYING file
in root directory)

If the package contains
any meta information on
licensing, e.g. third
party notices.

SPDX tag:value report – File information

##File

Final license decision

FileName: openssl-3.0.5.tar.gz/openssl-3.0.5.tar/openssl-openssl-3.0.5/crypto/LPdir_wince.c

SPDXID: SPDXRef-item158856105

FileChecksum: SHA1: dc3e4bb9f2cf764261da9ad5dbc8ad4a2356c3359

FileChecksum: SHA256: fd878a5b569cd41d63ba673420a4d95adf9ad3048ea0fb4854304ba5357c08

FileChecksum: MD5: 62fba2db5fb486d537d869af119135b

If not obvious,
explanation of license
decision

LicenseConcluded: LicenseRef-Apache-2.0 OR LicenseRef-BSD-2-Clause-3185f2587757a9c63eaa83143f7c0386

LicenseComments: <text>The information in the file is:

Besides the Apache-2.0 header the following information is in the file:

This file is dual-licensed and is also available under the following terms:

Followed by the BSD-2-clause license text. Thus dual licensing was concluded. </text>

LicenseInfoInFile: LicenseRef-Apache-2.0

Scanner findings

LicenseInfoInFile: LicenseRef-OpenSSL

LicenseInfoInFile: LicenseRef-Dual-license

LicenseInfoInFile: LicenseRef-BSD-2-Clause_REGENTS-AND-CONTRIBUTORS

Copyright notices

FileCopyrightText: <text> Copyright 2004-2016 The OpenSSL Project Authors.

Copyright (c) 2004, Richard Levitte <richard@levitte.org></text>

SPDX tag:value report – License information

```
##-----  
## License Information  
##-----
```

```
LicenseID: LicenseRef-Apache-2.0  
LicenseName: Apache License 2.0  
ExtractedText: <text> Apache License  
Version 2.0, January 2004  
http://www.apache.org/licenses/
```

Also include template licenses to make the SPDX report stand-alone.

Add "LicenseRef-" prefix for SPDX validity.

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

[...]

SPDX tag:value report – License information

LicenseID: LicenseRef-BSD-2-Clause-3185f2587757a9c63eaa83143f7c0386

LicenseName: BSD-2-Clause-3185f2587757a9c63eaa83143f7c0386

ExtractedText: <text> Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. </text>

[...]

Conclusion

- The **OSSelot** project provides a **publicly available database** with **curated compliance information** licensed under CC0-1.0 for frequently used FOSS components.
- To maintain **trust** in the database, the data curation must follow an **established standard** and be conducted **diligently**.
- Some manual input and review is still indispensable, but:

The reuse of curated licensing and copyright information can tremendously reduce the time required to clear a software package!



- <https://www.osselot.org> is the official project page with news, explanations, example use cases, tools and to dos.
- <https://wiki.osselot.org> contains tools for automated use of the curation data and information on the curation process.
- The curated material and other project info is available via GitHub <https://github.com/Open-Source-Compliance/package-analysis>
- Contact: info@osselot.org

**Questions, requests and contributions
are very welcome!**

How to curate license information for OSSelot
COOL March 20, 2024

Open Source Automation Development Lab (OSADL) eG

