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**In your requests please include the following reference number 78EE117C99-1770016673**

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## 1.1 libtomcrypt 1.17

### 1.1.1 Available under license :

```
# /*
# * SHA-512
# * Implementation derived from LibTomCrypt (Tom St Denis)
# *
# * LibTomCrypt is a library that provides various cryptographic
# * algorithms in a highly modular and flexible manner.
# *
# * The library is free for all purposes without any express
# * guarantee it works.
# *
# * Tom St Denis, tomstdenis@gmail.com, http://libtomcrypt.org
# */
```

## 1.2 libjpeg 6b

### 1.2.1 Notifications :

This software is based in part on the work of the Independent JPEG Group.

### 1.2.2 Available under license :

The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and

to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

## DOCUMENTATION

### ROADMAP

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This file contains the following sections:

OVERVIEW        General description of JPEG and the IJG software.  
LEGAL ISSUES    Copyright, lack of warranty, terms of distribution.  
REFERENCES     Where to learn more about JPEG.  
ARCHIVE LOCATIONS Where to find newer versions of this software.  
RELATED SOFTWARE Other stuff you should get.  
FILE FORMAT WARS Software \*not\* to get.  
TO DO           Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.doc    How to configure and install the IJG software.  
usage.doc     Usage instructions for cjpeg, djpeg, jpegtran,  
              rdjpgcom, and wrjpgcom.  
\*.1            Unix-style man pages for programs (same info as usage.doc).  
wizard.doc    Advanced usage instructions for JPEG wizards only.  
change.log    Version-to-version change highlights.

Programmer and internal  
documentation:

libjpeg.doc   How to use the JPEG library in your own programs.  
example.c     Sample code for calling the JPEG library.  
structure.doc  Overview of the JPEG library's internal structure.  
filelist.doc   Road map of IJG files.  
coderrules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See



ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

## OVERVIEW

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This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images.

JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and

flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.

## LEGAL ISSUES

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2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

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- (3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

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ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knr.c is NOT covered by the above copyright and conditions, but instead by the usual distribution terms of the Free Software Foundation; principally, that you must include source code if you redistribute it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that

"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

## REFERENCES

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We

highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best full description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

The

JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212)

642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging \$95 for Part 1 and \$47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department  
C-Cube Microsystems, Inc.  
1778 McCarthy Blvd.  
Milpitas, CA 95035  
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at <ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz>. There is also a plain text version at <ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from [ftp.sgi.com](ftp://ftp.sgi.com) or from <ftp://ftp.uu.net/graphics/jpeg/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from <ftp://ftp.sgi.com/graphics/tiff/>.

## ARCHIVE LOCATIONS

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The "official" archive site for this software is [ftp.uu.net](ftp://ftp.uu.net) (Internet address 192.48.96.9). The most recent released version can always be found

there in directory graphics/jpeg. This particular version will be archived as <ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz>. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact [help@uunet.uu.net](mailto:help@uunet.uu.net) for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only <ftp.uu.net> is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (<ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/>), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the <ftp.uu.net> release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups [comp.graphics.misc](mailto:comp.graphics.misc), [news.answers](mailto:news.answers), and other groups. It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other [news.answers](mailto:news.answers) archive sites, including the official [news.answers](mailto:news.answers) archive at [rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/). If you don't have Web or FTP access, send e-mail to [mail-server@rtfm.mit.edu](mailto:mail-server@rtfm.mit.edu) with body  
send [usenet/news.answers/jpeg-faq/part1](mailto:usenet/news.answers/jpeg-faq/part1)  
send [usenet/news.answers/jpeg-faq/part2](mailto:usenet/news.answers/jpeg-faq/part2)

## RELATED SOFTWARE

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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making [cjpeg/djpeg](http://www.cjpeg.com) considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably <ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/>. Unfortunately PBPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford,

is available from <ftp://havefun.stanford.edu/pub/jpeg/>. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

## FILE FORMAT WARS

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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read.

(For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether

SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

## TO DO

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The major thrust for v7 will probably be improvement of visual quality.

The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to [jpeg-info@uunet.uu.net](mailto:jpeg-info@uunet.uu.net).

## 1.3 csrp 1.0

### 1.3.1 Available under license :

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## 1.4 libtommath 0.42.0



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## 1.6 libusb-compat 0.1.5

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3. [3]Bernd Altmeier <altmeier@atsoft.de> hopf Elektronik serial line and PCI-bus devices
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  26. [27]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or [28]<H.Lambermont@chello.nl> ntpsweep
  27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
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  29. [32]Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote sntp to comply with NTPv4 specification, ntpq saveconfig
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31. [34]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
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  33. [36]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
  34. [37]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
  35. [38]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
  36. [39]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance

37. [40]David L. Mills <mills@udel.edu> Version 4 foundation,  
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22, 36
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43. [47]Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code  
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46. [50]Wilfredo Sanchez <wsanchez@apple.com> added support for  
NetInfo
47. [51]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
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space on the stuff in the html/pic/ subdirectory
49. [53]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54]Michael Shields <shields@tembel.org> USNO clock driver
51. [55]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock  
driver
52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure  
makeover, various other bits
- (see the ChangeLog)
53. [57]Kenneth Stone <ken@sdd.hp.com> HP-UX port
54. [58]Ajit Thyagarajan <ajit@ee.udel.edu>IP multicast/anycast  
support
55. [59]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>TRAK clock  
driver
56. [60]Brian Utterback <brian.utterback@oracle.com> General codebase,  
Solaris issues
57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing  
(libseccomp) support
58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic  
TrueTime clock driver
59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and  
validated HTML documents according to the HTML DTD
- 

## References

1. [mailto:%20takao\\_abe@xurb.jp](mailto:%20takao_abe@xurb.jp)
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## 1.9 json-simple 1.1.1

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That's all there is to it!

```
/* _setjmp is implemented in setjmp.S */
```

```
/* setjmp is implemented in setjmp.S */
```

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```

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2 of the License, or  
(at your option) any later version.
```

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

The hypothetical commands

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

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

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## 1.13 curl 7.26.0

### 1.13.1 Available under license :

License Mixing

=====

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](<https://www.gnu.org/licenses/gpl.html>) licensed code is not allowed to be linked with code licensed under the [Original BSD license](<https://spdx.org/licenses/BSD-4-Clause.html>) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](<https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs>). This particular problem was addressed when the [Modified BSD license](<https://opensource.org/licenses/BSD-3-Clause>) was created, which does not have the announcement clause that collides with GPL.

## libcurl



Uses an [MIT style license](<https://curl.haxx.se/docs/copyright.html>) that is very liberal.

### ## OpenSSL

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using another TLS library.

### ## GnuTLS

(May be used for SSL/TLS support) Uses the [LGPL](<https://www.gnu.org/licenses/lgpl.html>) license. If this is a problem for you, consider using another TLS library. Also note that GnuTLS itself depends on and uses other libs (libgcrypt and libgpg-error) and they too are LGPL- or GPL-licensed.

### ## WolfSSL

(May be used for SSL/TLS support) Uses the GPL license or a proprietary license. If this is a problem for you, consider using another TLS library.

### ## NSS

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### ## mbedTLS

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### ## BoringSSL

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license as that.

#### ## libressl

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

#### ## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

#### ## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

#### ## MIT Kerberos

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

#### ## Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

#### ## GNU GSS

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#### ## libidn

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#### ## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses

OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

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## 1.14 slf4j 1.6.0

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```
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it
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```

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<signature of Ty Coon>, 1 April 1989
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7zXZF!t/o."w[7gp<G

H:Oed 18uyMQ9]FO6

87I8.mhGl^eb\_X/UQKuB

)Cdk!B\_M/tw|11np#\_(~\*uM%S61opMG`YfRXvY[R+t[ BS=)d

;\*!;->KfBqxY(F)0.Ve%S61opMG`YfRXvY[R+t[ BS=)d

;\*!;->KfBqxYm+sS|11np#\_(~\*uM%S61opMG`YfRXvY[R+t[ BS=)d

;\*!;->KfBqxY(F)0.Ve%S61opMG`YfRXvY[R+t[ BS=)d ;\*!;->KfBqxY(F)0.Ve%Q?

\*sS|11np#\_(~\*u7gi}[IgYZ

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src/cg/cst\_mjpg.c

src/cg/cst\_mlsa.h

src/cg/cst\_mlsa.c

src/cg/cst\_vc.h

src/cg/cst\_vc.c

```

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```

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src/utils/cst\_file\_stdio.c  
src/utils/cst\_mmap\_posix.c  
src/utils/cst\_mmap\_win32.c  
src/utils/cst\_mmap\_none.c  
src/utils/cst\_file\_wince.c  
sapi/

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doc/alice

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src/regex/regsub.c

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lang/usenglish/us\_durz\_cart.c

lang/usenglish/us\_durz\_cart.h

lang/usenglish/us\_int\_accent\_cart.c

lang/usenglish/us\_int\_accent\_cart.h

lang/usenglish/us\_int\_tone\_cart.c

lang/usenglish/us\_int\_tone\_cart.h

lang/usenglish/us\_phoneset.c

lang/usenglish/us\_f0lr.c

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configure.sub

config.guess

missing

install-sh

mkinstalldirs

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src/speech/g72x.h

src/speech/g721.c

src/speech/g72x.c

src/speech/g723\_24.c

src/speech/g723\_40.c

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```
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/* Copyright 2008-2012, University of Illinois at Urbana-Champaign */
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/* Original table developed by Richard Sproat and Kyoung-young Kim */
/* Ported for Festvox by Gopala Anumachipalli gopalakr@cs.cmu.edu Sep 2012 */
/* Then converted to C for CMU Flite (cmuflite.org) */
```

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@c ispell-local-pdict: "ispell-dict"
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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) by Bruce Korb - all rights reserved
```

```
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 the GNU General Public License  
along with this program. If not, see <http://www.gnu.org/licenses/>.
```

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

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```
<program> Copyright (C) by Bruce Korb - all rights reserved  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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## 1.21 protobuf 3.7.1

## 1.22 fdisk 2.28.2

### 1.22.1 Available under license :

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```
# libblkid/src/partitions/libblkid_la-bsd.lo - a libtool object file
```

```
# Generated by libtool (GNU libtool) 2.4.6
```

```
#
```

```
# Please DO NOT delete this file!
```

```
# It is necessary for linking the library.
```

```
# Name of the PIC object.
```

```
pic_object='.libs/libblkid_la-bsd.o'
```

```
# Name of the non-PIC object
```

```
non_pic_object=none
libfdisk/src/libfdisk_la-bsd.lo: libfdisk/src/bsd.c \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/stdc-predef.h \
config.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/unistd.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/features.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/cdefs.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/wordsize.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/long-double.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/gnu/stubs.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/gnu/stubs-hard.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/posix_opt.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/environments.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/typesizes.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/lib/gcc/arm-cisco-linux-gnueabihf/8.3.0/include/stddef.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/confname.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/getopt_posix.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/getopt_core.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/unistd.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/stdio.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/libc-header-start.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/lib/gcc/arm-cisco-linux-gnueabihf/8.3.0/include/stdarg.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/__fpos_t.h \
```

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_mbstate\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_fpos64\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_FILE.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/FILE.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct\_FILE.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/cookie\_io\_functions\_t.h \  
\  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdio\_lim.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sys\_errlist.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdio.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdio2.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/stdlib.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/waitflags.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/waitstatus.h \  
\  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/floatn.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/floatn-common.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/locale\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_locale\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/types.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/clock\_t.h \  
\  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/clockid\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/time\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/timer\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-

```

gnueabihf/sysroot/usr/include/bits/stdint-intn.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/ endian.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/endian.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/byteswap.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/uintn-identity.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/sys/select.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/select.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/sigset_t.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/__sigset_t.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/struct_timeval.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/struct_timespec.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/select2.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/pthreadtypes.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/thread-shared-types.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/pthreadtypes-arch.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/alloca.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/stdlib-bsearch.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/stdlib-float.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/stdlib.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/string.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/strings.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/strings_fortified.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/string_fortified.h \

```



```

/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/fcntl.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/fcntl.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/fcntl-linux.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct_iovec.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/linux/falloc.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stat.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/fcntl2.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/errno.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/errno.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/linux/errno.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/asm/errno.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/asm-generic/errno.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/asm-generic/errno-base.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/error_t.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/param.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/lib/gcc/arm-cisco-linux-gnueabi/8.3.0/include-fixed/limits.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/lib/gcc/arm-cisco-linux-gnueabi/8.3.0/include-fixed/syslimits.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/limits.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/posix1_lim.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/local_lim.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/linux/limits.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/posix2_lim.h \

```

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/xopen\_lim.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/uio\_lim.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/signal.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sgnnum.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sgnnum-generic.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/sig\_atomic\_t.h \  
\  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/siginfo\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_sigval\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/siginfo-arch.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/siginfo-consts.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/siginfo-consts-arch.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/sigval\_t.h \  
\  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/sigevent\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sigevent-consts.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sigaction.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sigcontext.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/asm/sigcontext.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/stack\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/ucontext.h \  
\  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sigstack.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/ss\_flags.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct\_sigstack.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-

```

gnueabihf/sysroot/usr/include/bits/sigthread.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/param.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/linux/param.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm/param.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm-generic/param.h \
include/nls.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/locale.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/locale.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/libintl.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/langinfo.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/nl_types.h
\
include/blkdev.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/sys/ioctl.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/ioctls.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm/ioctls.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm-generic/ioctls.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/linux/ioctl.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm/ioctl.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm-generic/ioctl.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/ioctl-types.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/sys/ttydefaults.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/sys/stat.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/statx.h \
libfdisk/src/fdiskP.h include/c.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/lib/gcc/arm-cisco-linux-

```

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gnueabi/8.3.0/include/stdint.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/stdint.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/wchar.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdint-uintn.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/assert.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/err.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/sysmacros.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sysmacros.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/time.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/time.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/timex.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct_tm.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct_itimerspec.h \
libfdisk/src/libfdisk.h include/list.h include/debug.h include/pt-mbr.h \
include/pt-bsd.h include/all-io.h include/c.h

/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/stdc-predef.h:

config.h:

/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/unistd.h:

/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/features.h:

/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/cdefs.h:

/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/wordsize.h:

/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-

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gnueabihf/sysroot/usr/include/bits/long-double.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/gnu/stubs.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/gnu/stubs-hard.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/posix\_opt.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/environments.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/typesizes.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/lib/gcc/arm-cisco-linux-gnueabihf/8.3.0/include/stddef.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/confname.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/getopt\_posix.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/getopt\_core.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/unistd.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/stdio.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/libc-header-start.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/lib/gcc/arm-cisco-linux-gnueabihf/8.3.0/include/stdarg.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/\_\_fpos\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-

gnueabihf/sysroot/usr/include/bits/types/\_\_mbstate\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/\_\_fpos64\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/\_\_FILE.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/FILE.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/struct\_FILE.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/cookie\_io\_functions\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/stdio\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/sys\_errlist.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/stdio.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/stdio2.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/stdlib.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/waitflags.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/waitstatus.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/floatn.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/floatn-common.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/locale\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-

gnueabihf/sysroot/usr/include/bits/types/\_\_locale\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/types.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/clock\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/clockid\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/time\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/timer\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/stdint-intn.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/endian.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/endian.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/byteswap.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/uintn-identity.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/select.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/select.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/sigset\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/\_\_sigset\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/struct\_timeval.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-

gnueabihf/sysroot/usr/include/bits/types/struct\_timespec.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/select2.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/pthreadtypes.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/thread-shared-types.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/pthreadtypes-arch.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/alloca.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/stdlib-bsearch.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/stdlib-float.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/stdlib.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/string.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/strings.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/strings\_fortified.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/string\_fortified.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/fcntl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/fcntl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/fcntl-linux.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-



gnueabihf/sysroot/usr/include/bits/types/struct\_iovec.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/linux/falloc.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/stat.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/fcntl2.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/errno.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/errno.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/linux/errno.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm/errno.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm-generic/errno.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm-generic/errno-base.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/error\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/param.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/lib/gcc/arm-cisco-linux-gnueabihf/8.3.0/include-fixed/limits.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/lib/gcc/arm-cisco-linux-gnueabihf/8.3.0/include-fixed/syslimits.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/limits.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/posix1\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-

gnueabihf/sysroot/usr/include/bits/local\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/linux/limits.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/posix2\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/xopen\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/uio\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/signal.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/sgnum.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/signum-generic.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/sig\_atomic\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/siginfo\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/\_\_sigval\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/siginfo-arch.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/siginfo-consts.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/siginfo-consts-arch.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/sigval\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/sigevent\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-

gnueabihf/sysroot/usr/include/bits/sigevent-consts.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/sigaction.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/sigcontext.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm/sigcontext.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/stack\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/ucontext.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/sigstack.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/ss\_flags.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/struct\_sigstack.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/sigthread.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/param.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/linux/param.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm/param.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm-generic/param.h:

include/nls.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/locale.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/locale.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/libintl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/langinfo.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/nl\_types.h:

include/blkdev.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/ioctl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/ioctls.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm/ioctls.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm-generic/ioctls.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/linux/ioctl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm/ioctl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm-generic/ioctl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/ioctl-types.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/ttydefaults.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/stat.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/statx.h:

libfdisk/src/fdiskP.h:

include/c.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/lib/gcc/arm-cisco-linux-gnueabi/8.3.0/include/stdint.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/stdint.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/wchar.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdint-uintn.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/assert.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/err.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/sysmacros.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sysmacros.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/time.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/time.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/timex.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct\_tm.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct\_itimerspec.h:

libfdisk/src/libfdisk.h:

include/list.h:

include/debug.h:

include/pt-mbr.h:

include/pt-bsd.h:

include/all-io.h:

include/c.h:

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# libfdisk/src/libfdisk\_la-bsd.lo - a libtool object file

# Generated by libtool (GNU libtool) 2.4.6

#

# Please DO NOT delete this file!

# It is necessary for linking the library.

# Name of the PIC object.

pic\_object='.libs/libfdisk\_la-bsd.o'

# Name of the non-PIC object

non\_pic\_object=none

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Version 2, June 1991

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00P!0 A f)00 0 x5p2h^,PtldX|tld\\@bsdfreebsdopenbsdnetbsd%d: %s: %8s: LOWPROBELibblkidWARNING:  
BSD label detected on unknown (0x%x) primary partitionWARNING: ignore %d more BSD partitionsWARNING:  
BSD partition (%d) same like parent, ignoreWARNING: BSD partition (%d) overflow detected, ignoreWEVGCC:  
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WEV @@ WEV[B "1

libblkid/src/partitions/libblkid\_la-bsd.lo: libblkid/src/partitions/bsd.c \  
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gnueabihf/sysroot/usr/include/bits/long-double.h
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gnueabihf/sysroot/usr/include/bits/strings\_fortified.h \  
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/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/byteswap.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/uintn-identity.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/select.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/select.h \  
\  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/sigset\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/\_\_sigset\_t.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/struct\_timeval.h \  
/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/struct\_timespec.h \  
\

```

/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/select2.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/pthreadtypes.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/thread-shared-types.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/pthreadtypes-arch.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/alloca.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdlib-bsearch.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdlib-float.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdlib.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/lib/gcc/arm-cisco-linux-gnueabi/8.3.0/include/stdint.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/stdint.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/wchar.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdint-uintn.h \
libblkid/src/partitions/partitions.h libblkid/src/blkidP.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/dirent.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/dirent.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/posix1_lim.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/local_lim.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/linux/limits.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/stat.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stat.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/statx.h \
include/c.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/lib/gcc/arm-cisco-linux-gnueabi/8.3.0/include-fixed/limits.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabi/lib/gcc/arm-cisco-linux-

```

```

gnueabihf/8.3.0/include-fixed/syslimits.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/limits.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/posix2_lim.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/xopen_lim.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/uio_lim.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/unistd.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/posix_opt.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/environments.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/confname.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/getopt_posix.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/getopt_core.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/unistd.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/errno.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/errno.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/linux/errno.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm/errno.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm-generic/errno.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm-generic/errno-base.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/error_t.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/assert.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/err.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/sys/sysmacros.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-

```

```

gnueabihf/sysroot/usr/include/bits/sysmacros.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/fcntl.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/fcntl.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/fcntl-linux.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/struct_iovec.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/linux/falloc.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/fcntl2.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/time.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/time.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/timex.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/struct_tm.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/struct_itimerspec.h \
include/bitops.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/sys/param.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/signal.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/signum.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/signum-generic.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/sig_atomic_t.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/siginfo_t.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/__sigval_t.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/siginfo-arch.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/siginfo-consts.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/siginfo-consts-arch.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-

```

```

gnueabihf/sysroot/usr/include/bits/types/sigval_t.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/sigevent_t.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/sigevent-consts.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/sigaction.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/sigcontext.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm/sigcontext.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/stack_t.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/sys/ucontext.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/sigstack.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/ss_flags.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/types/struct_sigstack.h
\
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/sigthread.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/param.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/linux/param.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm/param.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm-generic/param.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/byteswap.h
\
include/blkdev.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/sys/ioctl.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/bits/ioctls.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm/ioctls.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/asm-generic/ioctls.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-
gnueabihf/sysroot/usr/include/linux/ioctl.h \
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-

```

```
gnueabihf/sysroot/usr/include/asm/ioctl.h \  
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/asm-generic/ioctl.h  
\  
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/bits/ioctl-types.h \  
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/sys/ttydefaults.h \  
include/debug.h libblkid/src/blkid.h include/list.h include/pt-mbr.h \  
include/pt-bsd.h
```

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/stdc-predef.h:
```

config.h:

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/stdio.h:
```

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/bits/libc-header-start.h:
```

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/features.h:
```

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/sys/cdefs.h:
```

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/bits/wordsize.h:
```

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/bits/long-double.h:
```

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/gnu/stubs.h:
```

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/gnu/stubs-hard.h:
```

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/lib/gcc/arm-cisco-linux-  
gnueabihf/8.3.0/include/stddef.h:
```

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/lib/gcc/arm-cisco-linux-  
gnueabihf/8.3.0/include/stdarg.h:
```

```
/data/.cache/artifactory/toolchain/arm_gcc-8.3.0_glibc-2.28-x86_64-linux-gnueabihf/arm-cisco-linux-  
gnueabihf/sysroot/usr/include/bits/types.h:
```

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/typesizes.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_fpos\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_mbstate\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_fpos64\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_FILE.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/FILE.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct\_FILE.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/cookie\_io\_functions\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdio\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sys\_errlist.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdio.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdio2.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/string.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/locale\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_locale\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/strings.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/strings\_fortified.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/string\_fortified.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/stdlib.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/waitflags.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/waitstatus.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/floatn.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/floatn-common.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/types.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/clock\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/clockid\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/time\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/types/timer\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/stdint-intn.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/endian.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/endian.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/byteswap.h:



/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/uintn-identity.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/select.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/select.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/sigset\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_sigset\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct\_timeval.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct\_timespec.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/select2.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/pthreadtypes.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/thread-shared-types.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/pthreadtypes-arch.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/alloca.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdlib-bsearch.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdlib-float.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/stdlib.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/lib/gcc/arm-cisco-linux-gnueabi/8.3.0/include/stdint.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/stdint.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/wchar.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/stdint-uintn.h:

libblkid/src/partitions/partitions.h:

libblkid/src/blkidP.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/dirent.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/dirent.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/posix1\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/local\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/linux/limits.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/stat.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/stat.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/statx.h:

include/c.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/lib/gcc/arm-cisco-linux-gnueabihf/8.3.0/include-fixed/limits.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/lib/gcc/arm-cisco-linux-gnueabihf/8.3.0/include-fixed/syslimits.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/limits.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/posix2\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/xopen\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/uio\_lim.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/unistd.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/posix\_opt.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/environments.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/confname.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/getopt\_posix.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/getopt\_core.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/unistd.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/errno.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/errno.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/linux/errno.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/asm/errno.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/asm-generic/errno.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/asm-generic/errno-base.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/error\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/assert.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/err.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/sysmacros.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sysmacros.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/fcntl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/fcntl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/fcntl-linux.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct\_iovec.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/linux/falloc.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/fcntl2.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/time.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/time.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/timex.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct\_tm.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct\_itimerspec.h:

include/bitops.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/param.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/signal.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/signum.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/signum-generic.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/sig\_atomic\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/siginfo\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/\_\_sigval\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/siginfo-arch.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/siginfo-consts.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/siginfo-consts-arch.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/sigval\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/sigevent\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sigevent-consts.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sigaction.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sigcontext.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/asm/sigcontext.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/stack\_t.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/ucontext.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sigstack.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/ss\_flags.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/types/struct\_sigstack.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/sigthread.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/param.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/linux/param.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/asm/param.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/asm-generic/param.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/byteswap.h:

include/blkdev.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/sys/ioctl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/bits/ioctls.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-gnueabi/sysroot/usr/include/asm/ioctls.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabi/arm-cisco-linux-

gnueabihf/sysroot/usr/include/asm-generic/ioctls.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/linux/ioctl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm/ioctl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/asm-generic/ioctl.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/bits/ioctl-types.h:

/data/.cache/artifactory/toolchain/arm\_gcc-8.3.0\_glibc-2.28-x86\_64-linux-gnueabihf/arm-cisco-linux-gnueabihf/sysroot/usr/include/sys/ttydefaults.h:

include/debug.h:

libblkid/src/blkid.h:

include/list.h:

include/pt-mbr.h:

include/pt-bsd.h:

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\$\$\$0H0dD@T@t4X0xTD!#')self\_disklabelself\_labelbsd\_get\_partitionbsd\_get\_disklabel\_itemfdisk\_new\_bsd\_label  
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@D@L@T@cannot open %s cannot read %s The bootstrap file %s successfully loaded. Syncing  
disks.libfdisk/src/bsd.cfdisk\_is\_label(cxt, BSD)cxtcxt->labelPartition %zd: has invalid starting sector 0.%d: %s:  
%8s: LABELlibfdiskpartition %zu assigned to BSD There is no \*BSD partition on %s. not found magic Too many  
partitions (%d, maximum is %d). read BSD label The device %s does not contain BSD disklabel. Do you want to  
create a BSD disklabel? /dev/sdseek on %s failed Disklabel written to %s. (Don't forget to write the %s disklabel  
too.) Disklabel written to %s. cannot write %s Type %d DiskPacknameFlags removable ecc  
badsectBytes/SectorTracks/CylinderSectors/CylinderCylindersRpmInterleaveTrackskewCylinderskewHeadswitchTr  
ack-to-track seekFirst cylinderFirst sectorLast cylinder, +cylinders or +size{K,M,G,T,P}Last sector, +sectors or  
+size{K,M,G,T,P}sectors/cylinderrpminterleavetrackskewcylinderskewheadswitchtrack-to-track  
seeksdwdBootstrap: %1\$sboot -> boot%1\$s (default %1\$s)/usr/ucb/mdcc%\$s/boot%\$s/boot%\$sBootstrap  
overlaps with disklabel! Bootstrap installed on %s. BSD label is not nested within a DOS partition. BSD partition  
'%c' linked to DOS partition %zu. bsdSliceStartEndSectorsSizeFsizeBsizeCpgunusedswapVersion 6Version  
7System V4.1BSD Eighth Edition4.2BSDMS-DOS4.4LFSunknownHPFSISO-  
9660bootADOSHFSAdvFSSMDMSCPold DECSCSIESTDIST506HP-IBHP-FLtype 9floppyGCC: (crosstool-NG  
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C6.LC7bsd_partition_is_usedset_parttypebsd_delete_partbsd_probe_label.LC14.LC16.LC15bsd_create_disklabel.L
C17.LC18.LC19bsd_get_partitionbsd_set_partitionbsd_write_disklabel.LC22.LC23.LC20.LC21bsd_get_disklabel_i
tem.LC42.LC25.LC27.LC28.LC29.LC24.LC33.LC34.LC35.LC36.LC37.LC38.LC39.LC40.LC41.LC26.LC30.LC3
1.LC32bsd_add_partition.LC44.LC45.LC43.LC46.LC47.LC48.LC49.LC50.LC51.LC52.LC53.LC55.LC56.LC57.L
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!$(!),!0!4!*8!<!@!*d!!!!<"h""#4#8#l<#m@#nD#oH#pL#qP#rT#X#/#) #d#h#*###$
$t$$$h%t%%%,&d&&&&&'D'"u'v'w'x'y'z{'|'J'K'""'""')'(4(X(x(0)p))))))))))*****)*
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## 1.23 opus 1.3.1

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## 1.25 libffi 3.3

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## 1.26 libnl3 3.2.24

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```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

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## 1.27 boost 1.73.0

### 1.27.1 Available under license :

```
////
```

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////

```
[#mpl]
```

```
# MPL Support, <boost/mp11/mpl.hpp>
```

```
:toc:
```

```
:toc-title:
```

```
:idprefix:
```

The header `<boost/mp11/mpl.hpp>`, when included, defines the necessary support infrastructure for `mp_list` and `std::tuple` to be valid link:../../../../libs/mpl[MPL] sequences.

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

It's also possible to only enable support for `mp_list` by including `<boost/mp11/mpl_list.hpp>`, and for `std::tuple` by including `<boost/mp11/mpl_tuple.hpp>`. This may be required because some libraries, such as Boost.Fusion, contain their own MPL support for `std::tuple`, which conflicts with Mp11's one.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head></head>
<body>
  <h3>
    Copyright Test
  </h3>
  <p class="copyright">
    1963, 1964, 1965 Jane Doe
  </p>
  <p class="copyright">
    2018 Joe Blow, John Coe
  </p>
  <p class="copyright">
    1977, 1985 Someone else
  </p>
</body>
</html>
```

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```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
  <title>Copyright Test</title>
  <articleinfo>
    <copyright>
      <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
    </copyright>
    <copyright>
      <year>2018</year> <holder>Joe Blow, John Coe</holder>
    </copyright>
    <copyright>
      <year>1977</year> <year>1985</year> <holder>Someone else</holder>
    </copyright>
  </articleinfo>
</article>
```

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#### DOCUMENTATION ROADMAP

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This file contains the following sections:

OVERVIEW            General description of JPEG and the IJG software.

LEGAL ISSUES        Copyright, lack of warranty, terms of distribution.

REFERENCES          Where to learn more about JPEG.

ARCHIVE LOCATIONS  Where to find newer versions of this software.

ACKNOWLEDGMENTS    Special thanks.

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TO DO            Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.txt    How to configure and install the IJG software.  
usage.txt     Usage instructions for cjpeg, djpeg, jpegtran,  
              rdjpgcom, and wrjpgcom.  
\*.1            Unix-style man pages for programs (same info as usage.txt).  
wizard.txt    Advanced usage instructions for JPEG wizards only.  
change.log    Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.txt   How to use the JPEG library in your own programs.  
example.c     Sample code for calling the JPEG library.  
structure.txt  Overview of the JPEG library's internal structure.  
filelist.txt  
Road map of IJG files.  
coderrules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

## OVERVIEW

=====

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and grayscale images.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included

considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf.

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The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files.

To avoid entanglement with the Unisys LZW patent (now expired), GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

## REFERENCES

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We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44.

(Adjacent articles in

that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PDF file containing a revised version of Wallace's article is available at <http://www.ijg.org/files/Wallace.JPEG.pdf>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general.

The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2).

Although this is by far the most detailed and comprehensive exposition of JPEG publicly available, we point out that it is still missing an explanation of the most essential properties and algorithms of the underlying DCT technology.

If you think that you know about DCT-based JPEG after reading this book, then you are in delusion. The real fundamentals and corresponding potential of DCT-based JPEG are not publicly known so far, and that is the reason for all the mistaken developments taking place in the image coding domain.

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

IJG JPEG 8 introduced an implementation of the JPEG SmartScale extension which is specified in two documents: A contributed document at ITU and ISO with title "ITU-T JPEG-Plus Proposal for Extending ITU-T T.81 for Advanced



Image Coding", April 2006, Geneva, Switzerland. The latest version of this document is Revision 3. And a contributed document ISO/IEC JTC1/SC29/WG1 N 5799 with title "Evolution of JPEG", June/July 2011, Berlin, Germany. IJG JPEG 9 introduces a reversible color transform for improved lossless compression which is described in a contributed document ISO/IEC JTC1/SC29/WG1 N 6080 with title "JPEG 9 Lossless Coding", June/July 2012, Paris, France.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, version 2. JFIF version 1 has been adopted as Recommendation ITU-T T.871 (05/2011) : Information technology - Digital compression and coding of continuous-tone still images: JPEG File Interchange Format (JFIF). It is available as a free download in PDF file format from <http://www.itu.int/rec/T-REC-T.871>. A PDF file of the older JFIF document is available at <http://www.w3.org/Graphics/JPEG/jfif3.pdf>.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <http://www.ijg.org/files/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

## ARCHIVE LOCATIONS

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The "official" archive site for this software is [www.ijg.org](http://www.ijg.org). The most recent released version can always be found there in directory "files". This particular version will be archived as <http://www.ijg.org/files/jpegsrc.v9c.tar.gz>, and in Windows-compatible "zip" archive format as <http://www.ijg.org/files/jpegsr9c.zip>.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG. It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at [rtfm.mit.edu](ftp://rtfm.mit.edu): <ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/>. If you don't have Web or FTP access, send e-mail to [mail-server@rtfm.mit.edu](mailto:mail-server@rtfm.mit.edu) with body

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## ACKNOWLEDGMENTS

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Thank to Juergen Bruder for providing me with a copy of the common DCT algorithm article, only to find out that I had come to the same result in a more direct and comprehensible way with a more generative approach.

Thank to Istvan Sebestyen and Joan L. Mitchell for inviting me to the ITU JPEG (Study Group 16) meeting in Geneva, Switzerland.

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Thank to Thomas Richter and Daniel Lee for inviting me to the ISO/IEC JTC1/SC29/WG1 (previously known as JPEG, together with ITU-T SG16) meeting in Berlin, Germany.

Thank to John Korejwa and Massimo Ballerini for inviting me to fruitful consultations in Boston, MA and Milan, Italy.

Thank to Hendrik Elstner, Roland Fassauer, Simone Zuck, Guenther Maier-Gerber, Walter Stoeber, Fred Schmitz, and Norbert Braunagel for corresponding business development.

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Thank to Lars Goehler, Andreas Heinecke, Sebastian Fuss, Yvonne Roebert, Andrej Werner, and Ulf-Dietrich Braumann for support and public relations.

## FILE FORMAT WARS

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The ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which is misleading because these formats are incompatible with original DCT-based JPEG and are based on faulty technologies.

IJG therefore does not and will not support such momentary mistakes (see REFERENCES).

There exist also distributions under the name "OpenJPEG" promoting such kind of formats which is misleading because they don't support original JPEG images.

We have no sympathy for the promotion of inferior formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.

Don't use an incompatible file format!

(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

The ISO committee pretends to be "responsible for the popular JPEG" in their public reports which is not true because they don't respond to actual requirements for the maintenance of the original JPEG specification.

Furthermore,

the ISO committee pretends to "ensure interoperability" with their standards which is not true because their "standards" support only application-specific and proprietary use cases and contain mathematically incorrect code.

There are currently different distributions in circulation containing the name "libjpeg" which is misleading because they don't have the features and are incompatible with formats supported by actual IJG libjpeg distributions.

One of those fakes is released by members of the ISO committee and just uses the name of libjpeg for misdirection of people, similar to the abuse of the name JPEG as described above, while having nothing in common with actual IJG libjpeg distributions and containing mathematically incorrect code.

The other one claims to be a "derivative" or "fork" of the original libjpeg, but violates the license conditions as described under LEGAL ISSUES above and violates basic C programming properties.

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TO DO

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Version 9 is the second release of a new generation JPEG standard to overcome the limitations of the original JPEG specification, and is the first true source reference JPEG codec.

More features are being prepared for coming releases...

Please send bug reports, offers of help, etc. to [jpeg-info@jpegclub.org](mailto:jpeg-info@jpegclub.org).

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/\*

\* jdct.h

\*

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\*

\* This include file contains common declarations for the forward and

\* inverse DCT modules. These declarations are private to the DCT managers

\* (jcdctmgr.c, jddctmgr.c) and the individual DCT algorithms.

\* The individual DCT algorithms are kept in separate files to ease

\* machine-dependent tuning (e.g., assembly coding).

\*/

Found in path(s):

\* /opt/cola/permits/1103550007\_1605777850.47/0/jpegsrvc-v9d-tar-gz/jpeg-9d/jdct.h

# 1.30 kmod 28

## 1.30.1 Available under license :

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## 1.48 linux-kernel 4.9.248

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see `init_nicstar()` for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather

lists

\* `(skb->atm.iovcnt != 0)` for Rx skb's passed to `vcc->push`.

\*

\* Implementing minimal-copy of received data:

\* IDT always receives data into a small buffer, then large buffers

\* as needed. This means that data must always be copied to create

\* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

\* Fix is simple: make large buffers large enough to hold entire

\* SDU, and leave `<small_buffer_data>` bytes empty at the start. Then

\* copy small buffer contents to head of large buffer.

\* Trick is to avoid fragmenting Linux, due to need for a lot of large

\* buffers. This is done by 2 things:

\* 1) `skb->destructor / skb->atm.recycle_buffer`

\* combined, allow `nicstar_free_rx_skb` to be called to

\* recycle large data buffers

\* 2) skb\_clone of received buffers  
 \* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation  
 \* details.  
 \*  
 \*  
 \*  
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 \*  
 \* M. Welsh, 6 July 1996  
 \*  
 \*  
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\*

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## 1.49 libdrm 2.4.71-2

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*/opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/include/drm/virtgpu_drm.h
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\* Authors:

\* Kristian Høgsberg <krh@bitplanet.net>

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2.4.71/radeon/radeon\_cs\_gem.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/radeon/radeon\_bo.h

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/kms/libkms-test-screen.c

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/kms/kms-steal-crtc.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/kms/libkms-test-plane.c

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\*

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/etnaviv/etnaviv\_bo\_cache\_test.c

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2.4.71/etnaviv/etnaviv\_device.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/etnaviv/etnaviv\_bo.c

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* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/libkms/linux.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/libkms/radeon.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/libkms/intel.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/libkms/dumb.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/libkms/internal.h
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/libkms/libkms.h
*
/opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/libkms/nouveau.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/kmstest/main.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/libkms/vmwgfx.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/libkms/api.c
```

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```
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-
2.4.71/radeon/radeon_cs_gem.h
```

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2.4.71/radeon/radeon\_bo\_gem.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/radeon/radeon\_bo\_gem.h

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/radeon/radeon\_bo.c

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/freedreno/msm/msm\_drm.h

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/\* exynos\_drm.h

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\* Authors:

\* Inki Dae <inki.dae@samsung.com>

\* Joonyoung Shim <jy0922.shim@samsung.com>

\* Seung-Woo Kim <sw0312.kim@samsung.com>

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/omap/omap\_drm.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/omap/omap\_drmif.h

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\* Eric Anholt <eric@anholt.net>

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/intel/intel\_bufmgr.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/updatedraw.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/setversion.c

```
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/getstats.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/getversion.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/drmtest.h
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/openclose.c
*
/opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/drmtest.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/getclient.c
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* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/intel/mm.c
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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/freedreno/msm/msm\_ringbuffer.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/freedreno/kgsl/kgsl\_bo.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/freedreno/kgsl/kgsl\_priv.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/freedreno/msm/msm\_priv.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/freedreno/kgsl/kgsl\_pipe.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/freedreno/msm/msm\_pipe.c  
\*  
/opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/freedreno/kgsl/kgsl\_ringbuffer.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/freedreno/msm/msm\_bo.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/freedreno/msm/msm\_device.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/freedreno/kgsl/kgsl\_device.c

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/xf86drmRandom.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/xf86drmHash.h  
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/\* drmsl.c -- Skip list test

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\*

\* DESCRIPTION

\*

\* This file contains a straightforward skip list implementation.n

\*

\* FUTURE ENHANCEMENTS

\*

\* REFERENCES

\*

\* [Pugh90] William Pugh. Skip Lists: A Probabilistic Alternative to  
\* Balanced Trees. CACM 33(6), June 1990, pp. 668-676.

\*

\*/

Found in path(s):

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/drmsl.c

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\* Eric Anholt <eric@anholt.net>

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/\* xf86drmSL.c -- Skip list support

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\*  
\* DESCRIPTION

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\* Balanced Trees. CACM 33(6), June 1990, pp. 668-676.

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/amdgpu/util\_hash\_table.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/amdgpu/util\_hash\_table.c

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\* Authors:

\* Christian Gmeiner <christian.gmeiner@gmail.com>

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Found in path(s):

```
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/etnaviv/etnaviv_priv.h
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-
2.4.71/etnaviv/etnaviv_cmd_stream.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-
2.4.71/tests/etnaviv/etnaviv_2d_test.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-
2.4.71/etnaviv/etnaviv_drmif.h
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/etnaviv/etnaviv_pipe.c
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```
/*
```

```
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*/
```

Found in path(s):

```
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-
2.4.71/include/drm/drm_mode.h
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```

```
/* radeon_drm.h -- Public header for the radeon driver -*- linux-c -*-
*
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```

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* Authors:
*   Kevin E. Martin <martin@valinux.com>
*   Gareth Hughes <gareth@valinux.com>
*   Keith Whitwell <keith@tungstengraphics.com>
*/

```

Found in path(s):

```

* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-
2.4.71/include/drm/radeon_drm.h

```

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```

/* amdgpu_drm.h -- Public header for the amdgpu driver -*- linux-c -*-
*

```

```

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\* Gareth Hughes <gareth@valinux.com>  
\* Keith Whitwell <keith@tungstengraphics.com>  
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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/include/drm/amdgpu\_drm.h

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/intel/test\_decode.c

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\* Authors:

\* Jerome Glisse <j.glisse@gmail.com>

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/radeon/rbo.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/tests/radeon/radeon\_ttm.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/radeon/rbo.h

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\*/opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/tests/modeprint/modeprint.c

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```

```
AC_PREREQ([2.63])
AC_INIT([libdrm],
        [2.4.71],
        [https://bugs.freedesktop.org/enter_bug.cgi?product=DRI],
        [libdrm])
```

```
AC_CONFIG_HEADERS([config.h])
AC_CONFIG_SRCDIR([Makefile.am])
AC_CONFIG_MACRO_DIR([m4])
AC_CONFIG_AUX_DIR([build-aux])
```

```
# Require xorg-macros minimum of 1.12 for XORG_WITH_XSLTPROC
m4_ifndef([XORG_MACROS_VERSION],
          [m4_fatal([must install xorg-macros 1.12 or later before running autoconf/autogen])])
XORG_MACROS_VERSION(1.12)
XORG_WITH_XSLTPROC
XORG_MANPAGE_SECTIONS
```

```
AM_INIT_AUTOMAKE([1.10 foreign dist-bzip2])
```

```
# Enable quiet compiles on automake 1.11.
m4_ifdef([AM_SILENT_RULES], [AM_SILENT_RULES([yes])])
```

```
# Check for programs
AC_PROG_CC
AC_PROG_CC_C99
```



```

if test "x$ac_cv_prog_cc_c99" = xno; then
  AC_MSG_ERROR([Building libdrm requires C99 enabled compiler])
fi

AC_USE_SYSTEM_EXTENSIONS
AC_SYS_LARGEFILE
AC_FUNC_ALLOCA

AC_HEADER_MAJOR
AC_CHECK_HEADERS([sys/sysctl.h
sys/select.h])

# Initialize libtool
LT_PREREQ([2.2])
LT_INIT([disable-static])

PKG_CHECK_MODULES(PTHREADSTUBS, pthread-stubs)
AC_SUBST(PTHREADSTUBS_CFLAGS)
AC_SUBST(PTHREADSTUBS_LIBS)

pkgconfigdir=${libdir}/pkgconfig
AC_SUBST(pkgconfigdir)
AC_ARG_ENABLE([udev],
  [AS_HELP_STRING([--enable-udev],
    [Enable support for using udev instead of mknod (default: disabled)]),
  [UDEV=$enableval], [UDEV=no])

AC_ARG_ENABLE([libkms],
  AS_HELP_STRING([--disable-libkms],
    [Disable KMS mm abstraction library (default: auto, enabled on supported platforms)]),
  [LIBKMS=$enableval], [LIBKMS=auto])

AC_ARG_ENABLE([intel],
  AS_HELP_STRING([--disable-intel],
    [Enable support for intel's KMS API (default: auto, enabled on x86)]),
  [INTEL=$enableval], [INTEL=auto])

AC_ARG_ENABLE([radeon],
  AS_HELP_STRING([--disable-radeon],

  [Enable support for radeon's KMS API (default: auto)]),
  [RADEON=$enableval], [RADEON=auto])

AC_ARG_ENABLE([amdgpu],
  AS_HELP_STRING([--disable-amdgpu],
    [Enable support for amdgpu's KMS API (default: auto)]),
  [AMDGPU=$enableval], [AMDGPU=auto])

```

AC\_ARG\_ENABLE(nouveau,  
AS\_HELP\_STRING([--disable-nouveau],  
[Enable support for nouveau's KMS API (default: auto)]),  
[NOUVEAU=\$enableval], [NOUVEAU=auto])

AC\_ARG\_ENABLE(vmwgfx,  
AS\_HELP\_STRING([--disable-vmwgfx],  
[Enable support for vmwgfx's KMS API (default: yes)]),  
[VMWGFYX=\$enableval], [VMWGFYX=yes])

AC\_ARG\_ENABLE(omap-experimental-api,  
AS\_HELP\_STRING([--enable-omap-experimental-api],  
[Enable support for OMAP's experimental API (default: disabled)]),  
[OMAP=\$enableval], [OMAP=no])

AC\_ARG\_ENABLE(exynos-experimental-api,  
AS\_HELP\_STRING([--enable-exynos-experimental-api],  
[Enable support for EXYNOS's experimental API (default:  
disabled)]),  
[EXYNOS=\$enableval], [EXYNOS=no])

AC\_ARG\_ENABLE(freedreno,  
AS\_HELP\_STRING([--disable-freedreno],  
[Enable support for freedreno's KMS API (default: auto, enabled on arm)]),  
[FREEDRENO=\$enableval], [FREEDRENO=auto])

AC\_ARG\_ENABLE(freedreno-kgsl,  
AS\_HELP\_STRING([--enable-freedreno-kgsl],  
[Enable support for freedreno's to use downstream android kernel API (default: disabled)]),  
[FREEDRENO\_KGSL=\$enableval], [FREEDRENO\_KGSL=no])

AC\_ARG\_ENABLE(tegra-experimental-api,  
AS\_HELP\_STRING([--enable-tegra-experimental-api],  
[Enable support for Tegra's experimental API (default: disabled)]),  
[TEGRA=\$enableval], [TEGRA=no])

AC\_ARG\_ENABLE(vc4,  
AS\_HELP\_STRING([--disable-vc4],  
[Enable support for vc4's API (default: auto, enabled on arm)]),  
[VC4=\$enableval], [VC4=auto])

AC\_ARG\_ENABLE(etnaviv-experimental-api,  
AS\_HELP\_STRING([--enable-etnaviv-experimental-api],  
[Enable support  
for etnaviv's experimental API (default: disabled)]),  
[ETNAVIV=\$enableval], [ETNAVIV=no])

```

AC_ARG_ENABLE(install-test-programs,
  AS_HELP_STRING([--enable-install-test-programs],
    [Install test programs (default: no)]),
  [INSTALL_TESTS=$enableval], [INSTALL_TESTS=no])

```

```

dnl =====

```

```

dnl check compiler flags

```

```

AC_DEFUN([LIBDRM_CC_TRY_FLAG], [
  AC_MSG_CHECKING([whether $CC supports $1])

```

```

  libdrm_save_CFLAGS="$CFLAGS"
  CFLAGS="$CFLAGS $1"

```

```

  AC_COMPILE_IFELSE([AC_LANG_SOURCE([ ])], [libdrm_cc_flag=yes], [libdrm_cc_flag=no])
  CFLAGS="$libdrm_save_CFLAGS"

```

```

  if test "x$libdrm_cc_flag" = "xyes"; then
    ifelse([$2], , :, [$2])
  else
    ifelse([$3], , :, [$3])
  fi
  AC_MSG_RESULT([$libdrm_cc_flag])
])

```

```

dnl We use clock_gettime to check for timeouts in drmWaitVBlank

```

```

AC_CHECK_FUNCS([clock_gettime], [CLOCK_LIB=],
  [AC_CHECK_LIB([rt], [clock_gettime], [CLOCK_LIB=-lrt],
    [AC_MSG_ERROR([Couldn't find clock_gettime])])])
AC_SUBST([CLOCK_LIB])

```

```

AC_CHECK_FUNCS([open_memstream], [HAVE_OPEN_MEMSTREAM=yes])

```

```

dnl Use lots of warning flags with gcc and compatible compilers

```

```

dnl Note: if you change the following variable, the cache is automatically
dnl skipped and all flags rechecked. So there's no need to do anything
dnl else. If for any reason you need to force a recheck, just change
dnl MAYBE_WARN in an ignorable way (like adding whitespace)

```

```

MAYBE_WARN="-Wall -Wextra \
-Wsign-compare -Werror-implicit-function-declaration \
-Wpointer-arith -Wwrite-strings -Wstrict-prototypes \
-Wmissing-prototypes -Wmissing-declarations -Wnested-externs \
-Wpacked -Wswitch-enum -Wmissing-format-attribute \
-Wstrict-aliasing=2 -Winit-self \
-Wdeclaration-after-statement -Wold-style-definition \

```

```

-Wno-unused-parameter \
-Wno-attributes -Wno-long-long -Winline -Wshadow \
-Wno-missing-field-initializers"

# invalidate cached value if MAYBE_WARN has changed
if test "x$libdrm_cv_warn_maybe"
  != "x$MAYBE_WARN"; then
  unset libdrm_cv_warn_cflags
fi
AC_CACHE_CHECK([for supported warning flags], libdrm_cv_warn_cflags, [
echo
WARN_CFLAGS=""

# Some warning options are not supported by all versions of
# gcc, so test all desired options against the current
# compiler.
#
# Note that there are some order dependencies
# here. Specifically, an option that disables a warning will
# have no net effect if a later option then enables that
# warnings, (perhaps implicitly). So we put some grouped
# options (-Wall and -Wextra) up front and the -Wno options
# last.

for W in $MAYBE_WARN; do
  LIBDRM_CC_TRY_FLAG([$W], [WARN_CFLAGS="$WARN_CFLAGS $W"])
done

libdrm_cv_warn_cflags=$WARN_CFLAGS
libdrm_cv_warn_maybe=$MAYBE_WARN

AC_MSG_CHECKING([which warning flags were supported])
WARN_CFLAGS="$libdrm_cv_warn_cflags"

# Check for atomic intrinsics
AC_CACHE_CHECK([for native atomic primitives], drm_cv_atomic_primitives, [
drm_cv_atomic_primitives="none"

AC_LINK_IFELSE([AC_LANG_PROGRAM([
int
atomic_add(int *i) { return __sync_add_and_fetch (i, 1); }
int atomic_cmpxchg(int *i, int j, int k) { return __sync_val_compare_and_swap (i, j, k); }
]], [[]]), [drm_cv_atomic_primitives="Intel"], [])

if test "x$drm_cv_atomic_primitives" = "xnone"; then
  AC_CHECK_HEADER([atomic_ops.h], drm_cv_atomic_primitives="libatomic-ops")
fi

```

```

# atomic functions defined in <atomic.h> & libc on Solaris
if test "x$drm_cv_atomic_primitives" = "xnone"; then
  AC_CHECK_FUNC([atomic_cas_uint], drm_cv_atomic_primitives="Solaris")
fi
)

if test "x$drm_cv_atomic_primitives" = xIntel; then
  AC_DEFINE(HAVE_LIBDRM_ATOMICS_PRIMITIVES, 1,
    [Enable if your compiler supports the Intel __sync_* atomic primitives])
fi
if test "x$drm_cv_atomic_primitives" = "xlibatomic-ops"; then
  AC_DEFINE(HAVE_LIB_ATOMICS_OPS, 1, [Enable if you have libatomic-ops-dev installed])
fi

dnl Print out the appropriate message considering the value set be the
dnl respective in $1.
dnl $1
- value to be evaluated. Eg. $INTEL, $NOUVEAU, ...
dnl $2 - libdrm shortname. Eg. intel, freedreno, ...
dnl $3 - GPU name/brand. Eg. Intel, NVIDIA Tegra, ...
dnl $4 - Configure switch. Eg. intel, omap-experimental-api, ...
AC_DEFUN([LIBDRM_ATOMICS_NOT_FOUND_MSG], [
  case "x$1" in
    xyes) AC_MSG_ERROR([libdrm_$2 depends upon atomic operations, which were not found for your compiler/cpu.
Try compiling with -march=native, or install the libatomics-op-dev package, or, failing both of those, disable
support for $3 GPUs by passing --disable-$4 to ./configure]) ;;
    xauto) AC_MSG_WARN([Disabling $2. It depends on atomic operations, which were not found for your
compiler/cpu. Try compiling with -march=native, or install the libatomics-op-dev package.]) ;;
    *) ;;
  esac
])

if test "x$drm_cv_atomic_primitives" = "xnone"; then
  LIBDRM_ATOMICS_NOT_FOUND_MSG($INTEL, intel, Intel, intel)
  INTEL=no

  LIBDRM_ATOMICS_NOT_FOUND_MSG($RADEON, radeon, Radeon, radeon)
  RADEON=no

  LIBDRM_ATOMICS_NOT_FOUND_MSG($AMDGPU,
amdgpu, AMD, amdgpu)
  AMDGPU=no

  LIBDRM_ATOMICS_NOT_FOUND_MSG($NOUVEAU, nouveau, NVIDIA, nouveau)
  NOUVEAU=no

  LIBDRM_ATOMICS_NOT_FOUND_MSG($OMAP, omap, OMAP, omap-experimental-api)
  OMAP=no

```

```

LIBDRM_ATOMICS_NOT_FOUND_MSG($FREEDRENO, freedreno, Qualcomm Adreno, freedreno)
FREEDRENO=no

LIBDRM_ATOMICS_NOT_FOUND_MSG($TEGRA, tegra, NVIDIA Tegra, tegra-experimental-api)
TEGRA=no

LIBDRM_ATOMICS_NOT_FOUND_MSG($ETNAVIV, etnaviv, Vivante, etnaviv-experimental-api)
ETNAVIV=no
else
if test "x$INTEL" = xauto; then
case $host_cpu in
i?86|x86_64) INTEL=yes ;;
*) INTEL=no ;;
esac
fi
if test "x$RADEON" = xauto; then
RADEON=yes
fi
if test "x$AMDGPU" = xauto; then
AMDGPU=yes
fi
if test "x$NOUVEAU" = xauto; then
NOUVEAU=yes
fi
if test "x$FREEDRENO" = xauto; then
case $host_cpu in
arm*|aarch64) FREEDRENO=yes ;;
*) FREEDRENO=no ;;
esac
fi
if test "x$VC4" = xauto; then
case $host_cpu in
arm*|aarch64) VC4=yes ;;
*) VC4=no ;;
esac
fi
fi

if
test "x$INTEL" != "xno"; then
PKG_CHECK_MODULES(PCIAACCESS, [pciaccess >= 0.10])
fi
AC_SUBST(PCIAACCESS_CFLAGS)
AC_SUBST(PCIAACCESS_LIBS)

if test "x$UDEV" = xyes; then
AC_DEFINE(UDEV, 1, [Have UDEV support])

```

fi

AC\_CANONICAL\_HOST

if test "x\$LIBKMS" = xauto ; then

case \$host\_os in

linux\*) LIBKMS="yes" ;;

freebsd\* | kfreebsd\*-gnu)

LIBKMS="yes" ;;

dragonfly\*) LIBKMS="yes" ;;

\*) LIBKMS="no" ;;

esac

fi

AM\_CONDITIONAL(HAVE\_LIBKMS, [test "x\$LIBKMS" = xyes])

AM\_CONDITIONAL(HAVE\_INTEL, [test "x\$INTEL" = xyes])

if test "x\$INTEL" = xyes; then

AC\_DEFINE(HAVE\_INTEL, 1, [Have intel support])

fi

AM\_CONDITIONAL(HAVE\_VMWGFX, [test "x\$VMWGFX" = xyes])

if test "x\$VMWGFX" = xyes; then

AC\_DEFINE(HAVE\_VMWGFX, 1, [Have vmwgfx kernel headers])

fi

AM\_CONDITIONAL(HAVE\_NOUVEAU, [test "x\$NOUVEAU" = xyes])

if test "x\$NOUVEAU" = xyes; then

AC\_DEFINE(HAVE\_NOUVEAU, 1, [Have nouveau (nvidia) support])

fi

AM\_CONDITIONAL(HAVE\_OMAP, [test "x\$OMAP" = xyes])

if test "x\$OMAP" = xyes; then

AC\_DEFINE(HAVE\_OMAP,

1, [Have OMAP support])

fi

AM\_CONDITIONAL(HAVE\_EXYNOS, [test "x\$EXYNOS" = xyes])

if test "x\$EXYNOS" = xyes; then

AC\_DEFINE(HAVE\_EXYNOS, 1, [Have EXYNOS support])

fi

AM\_CONDITIONAL(HAVE\_FREEDRENO, [test "x\$FREEDRENO" = xyes])

if test "x\$FREEDRENO" = xyes; then

AC\_DEFINE(HAVE\_FREEDRENO, 1, [Have freedreno support])

fi

if test "x\$FREEDRENO\_KGSL" = xyes; then

if test "x\$FREEDRENO" != xyes; then

```

AC_MSG_ERROR([Cannot enable freedreno KGSL interface if freedreno is disabled])
fi
fi
AM_CONDITIONAL(HAVE_FREEDRENO_KGSL, [test "x$FREEDRENO_KGSL" = xyes])
if test "x$FREEDRENO_KGSL" = xyes; then
AC_DEFINE(HAVE_FREEDRENO_KGSL, 1, [Have freedreno support for KGSL kernel interface])
fi

AM_CONDITIONAL(HAVE_RADEON, [test "x$RADEON" = xyes])
if test "x$RADEON" = xyes; then
AC_DEFINE(HAVE_RADEON, 1, [Have radeon support])
fi

if test "x$AMDGPU" != xno; then
# Detect cunit library
PKG_CHECK_MODULES([CUNIT], [cunit >= 2.1], [have_cunit=yes], [have_cunit=no])
# If pkg-config does
not find cunit, check it using AC_CHECK_LIB. We
# do this because Debian (Ubuntu) lacks pkg-config file for cunit.
# fixed in 2.1-2.dfsg-3: http://anonscm.debian.org/cgit/collab-maint/cunit.git/commit/?h=debian
if test "x${have_cunit}" = "xno"; then
AC_CHECK_LIB([cunit], [CU_initialize_registry], [have_cunit=yes], [have_cunit=no])
if test "x${have_cunit}" = "xyes"; then
CUNIT_LIBS="-lcunit"
CUNIT_CFLAGS=""
AC_SUBST([CUNIT_LIBS])
AC_SUBST([CUNIT_CFLAGS])
fi
fi
else
have_cunit=no
fi
AM_CONDITIONAL(HAVE_CUNIT, [test "x$have_cunit" != "xno"])

AM_CONDITIONAL(HAVE_AMDGPU, [test "x$AMDGPU" = xyes])
if test "x$AMDGPU" = xyes; then
AC_DEFINE(HAVE_AMDGPU, 1, [Have amdgpu support])

AC_DEFINE(HAVE_CUNIT, [test "x$have_cunit" != "xno"], [Enable CUNIT Have amdgpu support])

if test "x$have_cunit" = "xno"; then
AC_MSG_WARN([Could not find cunit library. Disabling amdgpu tests])
fi
fi

AM_CONDITIONAL(HAVE_TEGRA, [test "x$TEGRA" = xyes])
if test "x$TEGRA" = xyes; then
AC_DEFINE(HAVE_TEGRA,

```



```

1, [Have Tegra support])
fi

AM_CONDITIONAL(HAVE_VC4, [test "x$VC4" = xyes])
if test "x$VC4" = xyes; then
  AC_DEFINE(HAVE_VC4, 1, [Have VC4 support])
fi

AM_CONDITIONAL(HAVE_ETNAVIV, [test "x$ETNAVIV" = xyes])
if test "x$ETNAVIV" = xyes; then
  AC_DEFINE(HAVE_ETNAVIV, 1, [Have etnaviv support])
fi

AM_CONDITIONAL(HAVE_INSTALL_TESTS, [test "x$INSTALL_TESTS" = xyes])
if test "x$INSTALL_TESTS" = xyes; then
  AC_DEFINE(HAVE_INSTALL_TESTS, 1, [Install test programs])
fi

AC_ARG_ENABLE([cairo-tests],
  [AS_HELP_STRING([--enable-cairo-tests],
    [Enable support for Cairo rendering in tests (default: auto)]),
  [CAIRO=$enableval], [CAIRO=auto])
if test "x$CAIRO" != xno; then
  PKG_CHECK_MODULES(CAIRO, cairo, [HAVE_CAIRO=yes], [HAVE_CAIRO=no])
fi
AC_MSG_CHECKING([whether to enable Cairo tests])
if test "x$CAIRO" = xauto; then
  CAIRO="$HAVE_CAIRO"
fi
if test "x$CAIRO" = xyes; then
  if ! test "x$HAVE_CAIRO" = xyes; then
    AC_MSG_ERROR([Cairo
support required but not present])
  fi
  AC_DEFINE(HAVE_CAIRO, 1, [Have Cairo support])
fi
AC_MSG_RESULT([$CAIRO])
AM_CONDITIONAL(HAVE_CAIRO, [test "x$CAIRO" = xyes])

# For enumerating devices in test case
PKG_CHECK_MODULES(LIBUDEV, libudev, [HAVE_LIBUDEV=yes], [HAVE_LIBUDEV=no])
if test "x$HAVE_LIBUDEV" = xyes; then
  AC_DEFINE(HAVE_LIBUDEV, 1, [Have libudev support])
fi
AM_CONDITIONAL(HAVE_LIBUDEV, [test "x$HAVE_LIBUDEV" = xyes])

# xsltproc for docbook manpages
AC_ARG_ENABLE([manpages],

```

```

AS_HELP_STRING([--enable-manpages], [enable manpages @<:@default=auto@:>@]),
[MANS=$enableval], [MANS=auto])
AM_CONDITIONAL([BUILD_MANPAGES], [test "x$XSLTPROC" != "x" -a "x$MANS" != "xno"])

# check for offline man-pages stylesheet
AC_MSG_CHECKING([for docbook manpages stylesheet])
MANPAGES_STYLESHEET="http://docbook.sourceforge.net/release/xsl/current/manpages/docbook.xsl"
AC_PATH_PROGS_FEATURE_CHECK([XSLTPROC_TMP], [xsltproc],

    AS_IF([`"$ac_path_XSLTPROC_TMP" --nonet "$MANPAGES_STYLESHEET" > /dev/null 2>&1`],
        [HAVE_MANPAGES_STYLESHEET=yes]))
if test "x$HAVE_MANPAGES_STYLESHEET" = "xyes"; then
    AC_SUBST(MANPAGES_STYLESHEET)
    AC_MSG_RESULT([yes])
else
    AC_MSG_RESULT([no])
fi
AM_CONDITIONAL([HAVE_MANPAGES_STYLESHEET], [test "x$HAVE_MANPAGES_STYLESHEET" =
"xyes"])

AC_ARG_ENABLE(valgrind,
    [AS_HELP_STRING([--enable-valgrind],
        [Build libdrm with valgrind support (default: auto)]),
    [VALGRIND=$enableval], [VALGRIND=auto])
if test "x$VALGRIND" != xno; then
    PKG_CHECK_MODULES(VLGRIND, [valgrind], [have_valgrind=yes], [have_valgrind=no])
fi
AC_MSG_CHECKING([whether to enable Valgrind support])
if test "x$VALGRIND" = xauto; then
    VALGRIND="$have_valgrind"
fi

if test "x$VALGRIND" = "xyes"; then
    if ! test "x$have_valgrind" = xyes; then
        AC_MSG_ERROR([Valgrind support required but not present])
    fi
    AC_DEFINE([HAVE_VALGRIND],
        1, [Use valgrind intrinsics to suppress false warnings])
fi

AC_MSG_RESULT([$VALGRIND])

AC_ARG_WITH([kernel-source],
    [AS_HELP_STRING([--with-kernel-source],
        [specify path to linux kernel source]),
    [kernel_source="$with_kernel_source"])
AC_SUBST(kernel_source)

```

```
AC_MSG_CHECKING([whether $CC supports __attribute__(("hidden"))])
AC_LINK_IFELSE([AC_LANG_PROGRAM([
    int foo_hidden( void ) __attribute__((visibility("hidden")));
]), HAVE_ATTRIBUTE_VISIBILITY="yes"; AC_MSG_RESULT([yes]), AC_MSG_RESULT([no]);
```

```
if test "x$HAVE_ATTRIBUTE_VISIBILITY" = xy; then
    AC_DEFINE(HAVE_VISIBILITY, 1, [Compiler supports __attribute__(("hidden"))])
fi
```

```
AC_SUBST(WARN_CFLAGS)
```

```
AC_CONFIG_FILES([
```

```
Makefile
```

```
libkms/Makefile
```

```
libkms/libkms.pc
```

```
intel/Makefile
```

```
intel/libdrm_intel.pc
```

```
radeon/Makefile
```

```
radeon/libdrm_radeon.pc
```

```
amdgpu/Makefile
```

```
amdgpu/libdrm_amdgpu.pc
```

```
nouveau/Makefile
```

```
nouveau/libdrm_nouveau.pc
```

```
omap/Makefile
```

```
omap/libdrm_omap.pc
```

```
exynos/Makefile
```

```
exynos/libdrm_exynos.pc
```

```
freedreno/Makefile
```

```
freedreno/libdrm_freedreno.pc
```

```
tegra/Makefile
```

```
tegra/libdrm_tegra.pc
```

```
vc4/Makefile
```

```
vc4/libdrm_vc4.pc
```

```
etnaviv/Makefile
```

```
etnaviv/libdrm_etnaviv.pc
```

```
tests/Makefile
```

```
tests/modeprint/Makefile
```

```
tests/modetest/Makefile
```

```
tests/kms/Makefile
```

```
tests/kmstest/Makefile
```

```
tests/proptest/Makefile
```

```
tests/radeon/Makefile
```

```
tests/amdgpu/Makefile
```

```
tests/vbltest/Makefile
```

```
tests/exynos/Makefile
```

```
tests/tegra/Makefile
```

```
tests/nouveau/Makefile
```

```
tests/etnaviv/Makefile
```

```
tests/util/Makefile
```

```
man/Makefile
libdrm.pc])
AC_OUTPUT
```

```
echo
"""
echo "$PACKAGE_STRING will be compiled with:"
echo ""
echo " libkms    $LIBKMS"
echo " Intel API  $INTEL"
echo " vmwgfx API  $VMWGFX"
echo " Radeon API  $RADEON"
echo " AMDGPU API  $AMDGPU"
echo " Nouveau API  $NOUVEAU"
echo " OMAP API    $OMAP"
echo " EXYNOS API   $EXYNOS"
echo " Freedreno API $FREEDRENO (kgs!:$FREEDRENO_KGSL)"
echo " Tegra API    $TEGRA"
echo " VC4 API
    $VC4"
echo " Etnaviv API  $ETNAVIV"
echo ""
```

Found in path(s):

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/configure.ac

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/xf86drmMode.c  
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- cmdstream.xml ( 12621 bytes, from 2016-09-06 14:44:16)

- copyright.xml ( 1597 bytes, from 2016-09-06 14:44:16)

- common.xml ( 20583 bytes, from 2016-09-06 14:14:12)

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/\* exynos.c

\*

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\* Authors:

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/exynos/exynos\_fimg2d\_event.c

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/vc4/vc4\_qpu\_defines.h

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/tegra/openclose.c  
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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/include/drm/mach64\_drm.h

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tegra/tegra.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tegra/private.h  
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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/nouveau/abi16.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/nouveau/pushbuf.c  
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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/radeon/bof.c  
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/\* mga\_drm.h -- Public header for the Matrox g200/g400 driver \*- linux-c \*-

\* Created: Tue Jan 25 01:50:01 1999 by jhartmann@precisioninsight.com

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/amdgpu/amdgpu.h

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/amdgpu/amdgpu\_cs.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/amdgpu/amdgpu\_device.c

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* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/exynos/exynos_fimg2d.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/exynos/exynos_fimg2d_test.c
* /opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/exynos/fimg2d_reg.h
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/\* xf86drmHash.c -- Small hash table support for integer -> integer mapping

\* Created: Sun Apr 18 09:35:45 1999 by faith@precisioninsight.com

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\* Authors: Rickard E. (Rik) Faith <faith@valinux.com>  
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\*  
\* This file contains a straightforward implementation of a fixed-sized  
\* hash table using self-organizing linked lists [Knuth73, pp. 398-399] for  
\* collision resolution. There are two potentially interesting things  
\* about this implementation:  
\*  
\* 1) The table is power-of-two sized. Prime sized tables are more  
\* traditional, but do not have a significant advantage over power-of-two  
\* sized table, especially when double hashing is not used for collision  
\* resolution.  
\*  
\* 2) The hash computation  
\* uses a table of random integers [Hanson97,  
\* pp. 39-41].  
\*  
\* FUTURE ENHANCEMENTS  
\*  
\* With a table size of 512, the current implementation is sufficient for a  
\* few hundred keys. Since this is well above the expected size of the  
\* tables for which this implementation was designed, the implementation of  
\* dynamic hash tables was postponed until the need arises. A common (and

\* naive) approach to dynamic hash table implementation simply creates a  
\* new hash table when necessary, rehashes all the data into the new table,  
\* and destroys the old table. The approach in [Larson88] is superior in  
\* two ways: 1) only a portion of the table is expanded when needed,  
\* distributing the expansion cost over several insertions, and 2) portions  
\* of the table can be locked, enabling a scalable thread-safe  
\* implementation.

\*

#### \* REFERENCES

\*

\* [Hanson97] David R. Hanson. C Interfaces and Implementations:  
\* Techniques for Creating Reusable Software. Reading, Massachusetts:  
\* Addison-Wesley, 1997.

\*

\* [Knuth73] Donald E. Knuth. The Art of Computer Programming. Volume 3:  
\* Sorting and Searching. Reading, Massachusetts: Addison-Wesley, 1973.

\*

\* [Larson88] Per-Ake Larson. "Dynamic Hash Tables". CACM 31(4), April  
\* 1988, pp. 446-457.

\*

\*/

Found in path(s):

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/hash.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/xf86drmHash.c

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2.4.71/tests/modetest/modetest.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/tests/modetest/buffers.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/util/kms.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/util/pattern.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/util/common.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/util/format.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/util/format.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/util/pattern.c

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2.4.71/amdgpu/amdgpu\_internal.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/amdgpu/amdgpu\_gpu\_info.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/amdgpu/amdgpu\_bo.c  
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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/amdgpu/util\_hash.h

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\* Christian Gmeiner <christian.gmeiner@gmail.com>

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2.4.71/tests/etnaviv/etnaviv\_cmd\_stream\_test.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/etnaviv/etnaviv\_gpu.c

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2.4.71/radeon/radeon\_surface.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-

2.4.71/radeon/radeon\_surface.h

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-

2.4.71/tests/amdgpu/amdgpu\_test.h

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-

2.4.71/tests/amdgpu/basic\_tests.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-

2.4.71/tests/amdgpu/bo\_tests.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-

2.4.71/tests/amdgpu/amdgpu\_test.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-

2.4.71/tests/amdgpu/cs\_tests.c

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/util\_math.h

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/intel/intel\_au.h

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\* Authors:

\* Chris Wilson <chris@chris-wilson.co.uk>

\*

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 2.4.71/include/drm/vmwgfx\_drm.h

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\* Rob Clark <robclark@freedesktop.org>  
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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/freedreno/freedreno\_ringbuffer.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/freedreno/freedreno\_drmif.h  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/freedreno/freedreno\_ringbuffer.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/freedreno/freedreno\_pipe.c  
\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/freedreno/freedreno\_priv.h  
\*  
/opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/freedreno/freedreno\_bo.c

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-

2.4.71/exynos/exynos\_drmif.h

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/amdgpu/vce\_ib.h

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-

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\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
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2.4.71/man/drmModeGetResources.xml

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/man/drm.xml

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/man/drmHandleEvent.xml

\* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-  
2.4.71/man/drmAvailable.xml

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/\* drmstat.c -- DRM device status and testing program

\* Created: Tue Jan 5 08:19:24 1999 by faith@precisioninsight.com

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\* Authors: Rickard E. (Rik) Faith <faith@valinux.com>

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*
* Authors:
*   Gareth Hughes <gareth@valinux.com>
*   Kevin E. Martin <martin@valinux.com>
*/
```

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```
*/opt/cola/permits/1314852927_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-
2.4.71/include/drm/r128_drm.h
```

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```
/* xf86drmRandom.c -- "Minimal Standard" PRNG Implementation
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 \* Authors: Rickard E. (Rik) Faith <faith@valinux.com>  
 \*  
 \* DESCRIPTION  
 \*  
 \* This file contains a simple, straightforward implementation of the Park  
 \* & Miller "Minimal Standard" PRNG [PM88, PMS93], which is a Lehmer  
 \* multiplicative linear congruential generator (MLCG) with a period of  
 \*  $2^{31}-1$ .  
 \*  
 \* This implementation is intended to provide a reliable, portable PRNG  
 \* that is suitable for testing a hash table implementation and for  
 \* implementing skip lists.  
 \*  
 \* FUTURE ENHANCEMENTS  
 \*  
 \* If initial seeds are not selected randomly, two instances of the PRNG  
 \* can be correlated.  
 [Knuth81, pp. 32-33] describes a shuffling technique  
 \* that can eliminate this problem.  
 \*  
 \* If PRNGs are used for simulation, the period of the current  
 \* implementation may be too short. [LE88] discusses methods of combining  
 \* MLCGs to produce much longer periods, and suggests some alternative  
 \* values for A and M. [LE90 and Sch92] also provide information on  
 \* long-period PRNGs.  
 \*  
 \* REFERENCES  
 \*  
 \* [Knuth81] Donald E. Knuth. The Art of Computer Programming. Volume 2:  
 \* Seminumerical Algorithms. Reading, Massachusetts: Addison-Wesley, 1981.  
 \*  
 \* [LE88] Pierre L'Ecuyer. "Efficient and Portable Combined Random Number  
 \* Generators". CACM 31(6), June 1988, pp. 742-774.  
 \*

- \* [LE90] Pierre L'Ecuyer. "Random Numbers for Simulation". CACM 33(10), October 1990, pp. 85-97.
- \*
- \* [PM88] Stephen K. Park and Keith W. Miller. "Random Number Generators: Good Ones are Hard to Find". CACM 31(10), October 1988, pp. 1192-1201.
- \*
- \* [Sch92] Bruce Schneier. "Pseudo-Ransom Sequence Generator for 32-Bit CPUs". Dr. Dobbs's Journal 17(2), February 1992, pp. 34, 37-38, 40.
- \*
- \* [PMS93] Stephen K. Park, Keith W. Miller, and Paul K. Stockmeyer. In "Technical Correspondence: Remarks on Choosing and Implementing Random Number Generators". CACM 36(7), July 1993, pp. 105-110.
- \*
- \*/

Found in path(s):

- \* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/xf86drmRandom.c
- \* /opt/cola/permits/1314852927\_1654512007.580567/0/libdrm-2-4-71-tar-bz2/libdrm-2.4.71/tests/random.c

## 1.50 fmt 3.3

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```
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```

Found in path(s):

- \* /opt/cola/permits/1314855462\_1654502757.5758297/0/fmt-tar-gz/fmt/api/fmt/ranges.hpp

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```
/*
```

Formatting library for C++

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\*/

// A public domain branchless UTF-8 decoder by Christopher Wellons:

Found in path(s):

\* /opt/cola/permits/1314855462\_1654502757.5758297/0/fmt-tar-gz/fmt/api/fmt/format.hpp

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Found in path(s):

\* /opt/cola/permits/1314855462\_1654502757.5758297/0/fmt-tar-gz/fmt/api/fmt/locale.hpp

\* /opt/cola/permits/1314855462\_1654502757.5758297/0/fmt-tar-gz/fmt/api/fmt/core.hpp

\* /opt/cola/permits/1314855462\_1654502757.5758297/0/fmt-tar-gz/fmt/api/fmt/format-inl.hpp

\* /opt/cola/permits/1314855462\_1654502757.5758297/0/fmt-tar-gz/fmt/api/fmt/chrono.hpp

\* /opt/cola/permits/1314855462\_1654502757.5758297/0/fmt-tar-gz/fmt/format.cpp

\* /opt/cola/permits/1314855462\_1654502757.5758297/0/fmt-tar-gz/fmt/api/fmt/compile.hpp

## 1.51 libsanitizer 8.3.0

### 1.51.1 Available under license :

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Found in path(s):

\* /opt/cola/permits/1314856103\_1670491969.4531121/0/sanitizers-tar-gz/sanitizer\_options.cc

\* /opt/cola/permits/1314856103\_1670491969.4531121/0/sanitizers-tar-gz/tsan\_suppressions.cc

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Found in path(s):

\* /opt/cola/permits/1314856103\_1670491969.4531121/0/sanitizers-tar-gz/lsan\_suppressions.cc

\* /opt/cola/permits/1314856103\_1670491969.4531121/0/sanitizers-tar-gz/asan\_suppressions.cc

# 1.52 effective-tld-names 2.4

## 1.52.1 Available under license :

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```
% {
// Copyright 2012 The Chromium Authors. All rights reserved.
// Use of this source code is governed by a BSD-style license that can be
// found in the LICENSE file.

// This file is generated by net/tools/tld_cleanup/.
// DO NOT MANUALLY EDIT!
% }
struct DomainRule {
  int name_offset;
  int type; // flags: 1: exception, 2: wildcard, 4: private
};
%%
0.bg, 0
001www.com, 4
0e.vc, 4
0emm.com, 6
1.bg, 0
12hp.at, 4
12hp.ch, 4
12hp.de, 4
1337.pictures, 4
16-b.it, 4
1kapp.com, 4
2.bg, 0
2000.hu, 0
2038.io, 4
2ix.at, 4
2ix.ch, 4
2ix.de, 4
3.bg, 0
32-b.it, 4
3utilities.com, 4
4.bg, 0
4lima.at, 4
4lima.ch, 4
4lima.de, 4
4u.com, 4
```

5.bg, 0  
6.bg, 0  
611.to, 4  
64-b.it, 4  
7.bg, 0  
8.bg, 0  
9.bg, 0  
9guacu.br, 0  
a.bg, 0  
a.prod.fastly.net, 4  
a.run.app, 4  
a.se, 0  
a.ssl.fastly.net, 4  
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aarborte.no, 0  
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abbvie, 0  
abc, 0  
abc.br, 0  
abeno.osaka.jp, 0  
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bungoono.oita.jp, 0  
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burghof.museum, 0  
bus.museum, 0  
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buzen.fukuoka.jp, 0  
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ca-central-1.elasticbeanstalk.com, 4  
ca.eu.org, 4  
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ca.reclaim.cloud, 4  
ca.us, 0  
caa.aero, 0  
caa.li, 4  
cab, 0  
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cadaques.museum, 0  
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can.museum, 0  
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ce.leg.br, 4  
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cechire.com, 4  
celtic.museum, 0  
center, 0  
center.museum, 0  
centralus.azurestaticapps.net, 4  
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certification.aero, 0  
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cesena-forli.it, 0  
cesenaforli.it, 0  
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ch.trendhosting.cloud, 4

chambagri.fr, 0  
championship.aero, 0  
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children.museum, 0  
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chirurgiens-dentistes-en-france.fr, 4  
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chiryu.aichi.jp, 0  
chita.aichi.jp, 0  
chitose.hokkaido.jp, 0



chiyoda.gunma.jp, 0  
chiyoda.tokyo.jp, 0  
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chofu.tokyo.jp, 0  
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civilaviation.aero, 0  
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clock.museum, 0  
clothing, 0  
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cloud-fr1.unispace.io, 4  
cloud.fedoraproject.org, 4  
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cloud.interhostsolutions.be, 4  
cloud.jelastic.open.tim.it, 4  
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hn.cn, 0  
hobby-site.com, 4  
hobby-site.org, 4  
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hockey,  
0  
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hofu.yamaguchi.jp, 0  
hokkaido.jp, 0  
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home-webserver.de, 4  
home.dyndns.org, 4  
homebuilt.aero, 0  
homedepot, 0  
homedns.org, 4  
homeftp.net, 4  
homeftp.org, 4  
homegoods, 0  
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homesecuritypc.com, 4  
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homeunix.com, 4

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homeunix.org, 4  
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honjo.saitama.jp, 0  
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hopto.me, 4  
hopto.org, 4  
hornindal.no, 0  
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hosting-cluster.nl, 4  
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hu.eu.org, 4

hu.net, 4  
hughes, 0  
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humanities.museum, 0  
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hurum.no, 0  
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hyuga.miyazaki.jp, 0  
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i.bg, 0  
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ichiba.tokushima.jp, 0  
ichihara.chiba.jp, 0  
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ichikawa.chiba.jp, 0  
ichikawa.hyogo.jp, 0  
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idf.il, 0  
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0  
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iijima.nagano.jp, 0  
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ikaruga.nara.jp, 0  
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il.eu.org, 4  
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ilawa.pl, 0  
illustration.museum, 0  
ilovecollege.info, 4  
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im.it, 0  
imabari.ehime.jp, 0  
imageandsound.museum, 0  
imakane.hokkaido.jp, 0  
imamat, 0  
imari.saga.jp, 0  
imb.br, 0

imdb, 0  
imizu.toyama.jp, 0  
immo, 0  
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impertrix.com, 4  
impertrixcdn.com, 4  
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4  
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intelligence.museum, 0  
interactive.museum, 0  
international, 0  
internet-dns.de, 4  
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inzai.chiba.jp, 0  
io, 0  
io.kg, 4  
iobb.net, 4  
iopsys.se, 4

ip6.arpa, 0  
ipifony.net, 4  
ipiranga, 0  
iq, 0  
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iraq.museum, 0  
iris.arpa, 0  
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iron.museum, 0  
iruma.saitama.jp, 0  
is, 0  
is-a-anarchist.com, 4  
is-a-blogger.com, 4  
is-a-bookkeeper.com, 4  
is-a-bruinsfan.org, 4  
is-a-bulls-fan.com, 4  
is-a-candidate.org, 4  
is-a-caterer.com, 4  
is-a-celticsfan.org, 4  
is-a-chef.com, 4  
is-a-chef.net, 4  
is-a-chef.org, 4  
is-a-conservative.com, 4  
is-a-cpa.com, 4  
is-a-cubicle-slave.com, 4  
is-a-democrat.com, 4  
is-a-designer.com, 4  
is-a-doctor.com, 4  
is-a-financialadvisor.com, 4  
is-a-geek.com, 4  
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is-a-geek.org,  
4  
is-a-green.com, 4  
is-a-guru.com, 4  
is-a-hard-worker.com, 4  
is-a-hunter.com, 4  
is-a-knight.org, 4  
is-a-landscaper.com, 4  
is-a-lawyer.com, 4  
is-a-liberal.com, 4  
is-a-libertarian.com, 4  
is-a-linux-user.org, 4  
is-a-llama.com, 4  
is-a-musician.com, 4  
is-a-nascarfan.com, 4  
is-a-nurse.com, 4  
is-a-painter.com, 4

is-a-patsfan.org, 4  
is-a-personaltrainer.com, 4  
is-a-photographer.com, 4  
is-a-player.com, 4  
is-a-republican.com, 4  
is-a-rockstar.com, 4  
is-a-socialist.com, 4  
is-a-soxfan.org, 4  
is-a-student.com, 4  
is-a-teacher.com, 4  
is-a-techie.com, 4  
is-a-therapist.com, 4  
is-an-accountant.com, 4  
is-an-actor.com, 4  
is-an-actress.com, 4  
is-an-anarchist.com, 4  
is-an-artist.com, 4  
is-an-engineer.com, 4  
is-an-entertainer.com, 4  
is-by.us, 4  
is-certified.com, 4  
is-found.org, 4  
is-gone.com, 4  
is-into-anime.com, 4  
is-into-cars.com, 4  
is-into-cartoons.com, 4  
is-into-games.com, 4  
is-leet.com, 4  
is-lost.org, 4  
is-not-certified.com, 4  
is-saved.org, 4  
is-slick.com, 4  
is-uberleet.com, 4  
is-very-bad.org, 4  
is-very-evil.org,  
4  
is-very-good.org, 4  
is-very-nice.org, 4  
is-very-sweet.org, 4  
is-with-theband.com, 4  
is.eu.org, 4  
is.gov.pl, 0  
is.it, 0  
isa-geek.com, 4  
isa-geek.net, 4  
isa-geek.org, 4  
isa-hockeynut.com, 4  
isa.kagoshima.jp, 0

isa.us, 0  
isahaya.nagasaki.jp, 0  
ise.mie.jp, 0  
isehara.kanagawa.jp, 0  
isen.kagoshima.jp, 0  
isernia.it, 0  
iserv.dev, 4  
isesaki.gunma.jp, 0  
ishigaki.okinawa.jp, 0  
ishikari.hokkaido.jp, 0  
ishikawa.fukushima.jp, 0  
ishikawa.jp, 0  
ishikawa.okinawa.jp, 0  
ishinomaki.miyagi.jp, 0  
isla.pr, 0  
isleofman.museum, 0  
ismaili, 0  
issiki.aichi.jp, 0  
issmarterthanyou.com, 4  
ist, 0  
istanbul, 0  
isteingeek.de, 4  
istmein.de, 4  
isumi.chiba.jp, 0  
it, 0  
it.ao, 0  
it.eu.org, 4  
it1-eur.jenv-arubabiz.cloud, 4  
it1.eur.aruba.jenv-aruba.cloud, 4  
it1.jenv-aruba.cloud, 4  
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itako.ibaraki.jp, 0  
itakura.gunma.jp, 0  
itami.hyogo.jp, 0  
itano.tokushima.jp, 0  
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ivano-frankivsk.ua,  
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iwade.wakayama.jp, 0  
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iwate.jp, 0  
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j.bg, 0  
j.layershift.co.uk, 4  
j.scaleforce.com.cy, 4  
j.scaleforce.net, 4  
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jaguar, 0  
jambyl.su, 4  
jamison.museum, 0  
jampa.br, 0  
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java, 0  
jaworzno.pl, 0  
jc.neen.it, 4  
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jcloud-ver-jpc.ik-server.com, 4  
jcloud.ik-server.com, 4  
jcloud.kz, 4  
jcp, 0  
jdevcloud.com, 4  
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je, 0

jed.wafaicloud.com, 4  
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jelastic.regruhosting.ru,  
4  
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jls-sto3.elastx.net, 4  
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journal.aero, 0  
journalism.museum, 0  
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karate.museum, 0  
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kashiba.nara.jp, 0

kashihara.nara.jp, 0  
kashima.ibaraki.jp, 0  
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kashiwa.chiba.jp, 0  
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kunden.ortsinfo.at, 6  
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kyowa.akita.jp, 0  
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kz, 0  
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la-spezia.it, 0  
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6  
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static.observableusercontent.com, 4  
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// version.
```

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* /opt/cola/permits/1314879430_1670490931.8770304/0/effective-tld-names-1-tar-
gz/registry_controlled_domain.cc
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// file, You can obtain one at https://mozilla.org/MPL/2.0/.
```

```
// Please pull this list from, and only from https://publicsuffix.org/list/public\_suffix\_list.dat,
// rather than any other VCS sites. Pulling from any other URL is not guaranteed to be supported.
```

```
// Instructions on pulling and using this list can be found at https://publicsuffix.org/list/.
```

```
// Chromium note: this is based on Mozilla's file:
// https://publicsuffix.org/list/public\_suffix\_list.dat
```

```
// ===BEGIN ICANN DOMAINS===
```

```
// ac : https://en.wikipedia.org/wiki/.ac
```

ac

com.ac

edu.ac

gov.ac

net.ac

mil.ac

org.ac

```
// ad : https://en.wikipedia.org/wiki/.ad
```

ad  
nom.ad

// ae : <https://en.wikipedia.org/wiki/.ae>  
// see also: "Domain Name Eligibility Policy" at <http://www.aeda.ae/eng/aepolicy.php>

ae  
co.ae  
net.ae  
org.ae  
sch.ae  
ac.ae  
gov.ae  
mil.ae

//  
aero : see <https://www.information.aero/index.php?id=66>

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af : <http://www.nic.af/help.jsp>

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// ag : <http://www.nic.ag/prices.htm>

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net.ag

co.ag

nom.ag

// ai : <http://nic.com.ai/>

ai

off.ai

com.ai

net.ai

org.ai

// al : [http://www.ert.gov.al/ert\\_alb/faq\\_det.html?Id=31](http://www.ert.gov.al/ert_alb/faq_det.html?Id=31)

al

com.al

edu.al

gov.al

mil.al

net.al

org.al

// am : [https://www.amnic.net/policy/en/Policy\\_EN.pdf](https://www.amnic.net/policy/en/Policy_EN.pdf)

am

co.am

com.am

commune.am

net.am

org.am

// ao : <https://en.wikipedia.org/wiki/.ao>

// <http://www.dns.ao/REGISTR.DOC>

ao

ed.ao

gv.ao

og.ao

co.ao

pb.ao

it.ao

// aq : <https://en.wikipedia.org/wiki/.aq>

aq

// ar : <https://nic.ar/nic-argentina/normativa-vigente>

ar

com.ar

edu.ar

gob.ar

gov.ar

int.ar

mil.ar

musica.ar

net.ar

org.ar

tur.ar

//

arpa : <https://en.wikipedia.org/wiki/.arpa>

// Confirmed by registry <[iana-questions@icann.org](mailto:iana-questions@icann.org)> 2008-06-18

arpa

e164.arpa

in-addr.arpa

ip6.arpa

iris.arpa

uri.arpa

urn.arpa

// as : <https://en.wikipedia.org/wiki/.as>

as

gov.as

// asia : <https://en.wikipedia.org/wiki/.asia>

asia

// at : <https://en.wikipedia.org/wiki/.at>

// Confirmed by registry <[it@nic.at](mailto:it@nic.at)> 2008-06-17

at

ac.at  
co.at  
gv.at  
or.at  
sth.ac.at

// au : <https://en.wikipedia.org/wiki/.au>

// <http://www.auda.org.au/>

au

// 2LDs

com.au

net.au

org.au

edu.au

gov.au

asn.au

id.au

// Historic 2LDs (closed to new registration, but sites still exist)

info.au

conf.au

oz.au

// CGDNs - <http://www.cgdn.org.au/>

act.au

nsw.au

nt.au

qld.au

sa.au

tas.au

vic.au

wa.au

// 3LDs

act.edu.au

catholic.edu.au

// eq.edu.au - Removed at the request of the Queensland Department of Education

nsw.edu.au

nt.edu.au

qld.edu.au

sa.edu.au

tas.edu.au

vic.edu.au

wa.edu.au

// act.gov.au Bug 984824 - Removed at request  
of Greg Tankard

// nsw.gov.au Bug 547985 - Removed at request of <Shae.Donelan@services.nsw.gov.au>

// nt.gov.au Bug 940478 - Removed at request of Greg Connors <Greg.Connors@nt.gov.au>

qld.gov.au

sa.gov.au

tas.gov.au

vic.gov.au  
wa.gov.au  
// 4LDs  
// education.tas.edu.au - Removed at the request of the Department of Education Tasmania  
schools.nsw.edu.au

// aw : <https://en.wikipedia.org/wiki/.aw>  
aw  
com.aw

// ax : <https://en.wikipedia.org/wiki/.ax>  
ax

// az : <https://en.wikipedia.org/wiki/.az>  
az  
com.az  
net.az  
int.az  
gov.az  
org.az  
edu.az  
info.az  
pp.az  
mil.az  
name.az  
pro.az  
biz.az

// ba : [http://nic.ba/users\\_data/files/pravilnik\\_o\\_registraciji.pdf](http://nic.ba/users_data/files/pravilnik_o_registraciji.pdf)  
ba  
com.ba  
edu.ba  
gov.ba  
mil.ba  
net.ba  
org.ba

// bb : <https://en.wikipedia.org/wiki/.bb>  
bb  
biz.bb  
co.bb  
com.bb  
edu.bb  
gov.bb  
info.bb  
net.bb  
org.bb  
store.bb

tv.bb

// bd : <https://en.wikipedia.org/wiki/.bd>  
\*.bd

// be : <https://en.wikipedia.org/wiki/.be>  
// Confirmed by registry <tech@dns.be> 2008-06-08  
be  
ac.be

// bf : <https://en.wikipedia.org/wiki/.bf>  
bf  
gov.bf

//  
bg : <https://en.wikipedia.org/wiki/.bg>  
// <https://www.register.bg/user/static/rules/en/index.html>

bg  
a.bg  
b.bg  
c.bg  
d.bg  
e.bg  
f.bg  
g.bg  
h.bg  
i.bg  
j.bg  
k.bg  
l.bg  
m.bg  
n.bg  
o.bg  
p.bg  
q.bg  
r.bg  
s.bg  
t.bg  
u.bg  
v.bg  
w.bg  
x.bg  
y.bg  
z.bg  
0.bg  
1.bg  
2.bg  
3.bg



4.bg  
5.bg  
6.bg  
7.bg  
8.bg  
9.bg

// bh : <https://en.wikipedia.org/wiki/.bh>

bh  
com.bh  
edu.bh  
net.bh  
org.bh  
gov.bh

// bi : <https://en.wikipedia.org/wiki/.bi>

// <http://whois.nic.bi/>

bi  
co.bi  
com.bi  
edu.bi  
or.bi  
org.bi

// biz : <https://en.wikipedia.org/wiki/.biz>

biz

// bj : <https://en.wikipedia.org/wiki/.bj>

bj  
asso.bj  
barreau.bj  
gouv.bj

// bm : <http://www.bermudanic.bm/dnr-text.txt>

bm  
com.bm  
edu.bm  
gov.bm  
net.bm  
org.bm

// bn : <http://www.bnnic.bn/faqs>

bn  
com.bn  
edu.bn  
gov.bn  
net.bn  
org.bn

```
// bo : https://nic.bo/delegacion2015.php#h-1.10
bo
com.bo
edu.bo
gob.bo
int.bo
org.bo
net.bo
mil.bo
tv.bo
web.bo
// Social Domains
academia.bo
agro.bo
arte.bo
blog.bo
bolivia.bo
ciencia.bo
cooperativa.bo
democracia.bo
deporte.bo
ecologia.bo
economia.bo
empresa.bo
indigena.bo
industria.bo
info.bo
medicina.bo
movimiento.bo
musica.bo
natural.bo
nombre.bo
noticias.bo
patria.bo
politica.bo
profesional.bo
plurinacional.bo
pueblo.bo
revista.bo
salud.bo
tecnologia.bo
tksat.bo
transporte.bo
wiki.bo

//
```

br : <http://registro.br/dominio/categoria.html>

// Submitted by registry <fneves@registro.br>

br

9guacu.br

abc.br

adm.br

adv.br

agr.br

aju.br

am.br

anani.br

aparecida.br

app.br

arq.br

art.br

ato.br

b.br

barueri.br

belem.br

bhz.br

bib.br

bio.br

blog.br

bmd.br

boavista.br

bsb.br

campinagrande.br

campinas.br

caxias.br

cim.br

cng.br

cnt.br

com.br

contagem.br

coop.br

coz.br

cri.br

cuiaba.br

curitiba.br

def.br

des.br

det.br

dev.br

ecn.br

eco.br

edu.br

emp.br

enf.br

eng.br  
esp.br  
etc.br  
eti.br  
far.br  
feira.br  
flog.br  
floripa.br  
fm.br  
fnd.br  
fortal.br  
fot.br  
foz.br  
fst.br  
g12.br  
geo.br  
ggf.br  
goiania.br  
gov.br  
// gov.br 26 states + df [https://en.wikipedia.org/wiki/States\\_of\\_Brazil](https://en.wikipedia.org/wiki/States_of_Brazil)  
ac.gov.br  
al.gov.br  
am.gov.br  
ap.gov.br  
ba.gov.br  
ce.gov.br  
df.gov.br  
es.gov.br  
go.gov.br  
ma.gov.br  
mg.gov.br  
ms.gov.br  
mt.gov.br  
pa.gov.br  
pb.gov.br  
pe.gov.br  
pi.gov.br  
pr.gov.br  
rj.gov.br  
rn.gov.br  
ro.gov.br  
rr.gov.br  
rs.gov.br  
sc.gov.br  
se.gov.br  
sp.gov.br  
to.gov.br  
gru.br

imb.br  
ind.br  
inf.br  
jab.br  
jampa.br  
jdf.br  
joinville.br  
jor.br  
jus.br  
leg.br  
lel.br  
log.br  
londrina.br  
macapa.br  
maceio.br  
manaus.br  
maringa.br  
mat.br  
med.br  
mil.br  
morena.br  
mp.br  
mus.br  
natal.br  
net.br  
niteroi.br  
\*.nom.br  
not.br  
ntr.br  
odo.br  
ong.br  
org.br  
osasco.br  
palmas.br  
poa.br  
ppg.br  
pro.br  
psc.br  
psi.br  
pvh.br  
qsl.br  
radio.br  
rec.br  
recife.br  
rep.br  
ribeirao.br  
rio.br  
riobranco.br

riopreto.br  
salvador.br  
sampa.br  
santamaria.br  
santoandre.br  
saobernardo.br  
saogonca.br  
seg.br  
sjc.br  
slg.br  
slz.br  
sorocaba.br  
srv.br  
taxi.br  
tc.br  
tec.br  
teo.br  
the.br  
tmp.br  
trd.br  
tur.br  
tv.br  
udi.br  
vet.br  
vix.br  
vlog.br  
wiki.br  
zlg.br

//

bs : <http://www.nic.bs/rules.html>

bs

com.bs

net.bs

org.bs

edu.bs

gov.bs

// bt : <https://en.wikipedia.org/wiki/.bt>

bt

com.bt

edu.bt

gov.bt

net.bt

org.bt

//

bv : No registrations at this time.  
// Submitted by registry <jarle@uninett.no>  
bv

// bw : <https://en.wikipedia.org/wiki/.bw>  
// <http://www.gobin.info/domainname/bw.doc>  
// list of other 2nd level tlds ?  
bw  
co.bw  
org.bw

// by : <https://en.wikipedia.org/wiki/.by>  
// [http://tld.by/rules\\_2006\\_en.html](http://tld.by/rules_2006_en.html)  
// list of other 2nd level tlds ?  
by  
gov.by  
mil.by  
// Official information does not indicate that com.by is a reserved  
// second-level domain, but it's being used as one (see [www.google.com.by](http://www.google.com.by) and  
// [www.yahoo.com.by](http://www.yahoo.com.by), for example), so we list it here for safety's sake.  
com.by

// <http://hoster.by/>  
of.by

// bz : <https://en.wikipedia.org/wiki/.bz>  
// <http://www.belizenic.bz/>  
bz  
com.bz  
net.bz  
org.bz  
edu.bz  
gov.bz

// ca : <https://en.wikipedia.org/wiki/.ca>  
ca  
// ca geographical names  
ab.ca  
bc.ca  
mb.ca  
nb.ca  
nf.ca  
nl.ca  
ns.ca  
nt.ca  
nu.ca  
on.ca  
pe.ca

qc.ca  
sk.ca  
yk.ca  
// gc.ca: <https://en.wikipedia.org/wiki/.gc.ca>  
// see also: <http://registry.gc.ca/en/SubdomainFAQ>  
gc.ca

//  
cat : <https://en.wikipedia.org/wiki/.cat>  
cat

// cc : <https://en.wikipedia.org/wiki/.cc>  
cc

// cd : <https://en.wikipedia.org/wiki/.cd>  
// see also: [https://www.nic.cd/domain/insertDomain\\_2.jsp?act=1](https://www.nic.cd/domain/insertDomain_2.jsp?act=1)  
cd  
gov.cd

// cf : <https://en.wikipedia.org/wiki/.cf>  
cf

// cg : <https://en.wikipedia.org/wiki/.cg>  
cg

// ch : <https://en.wikipedia.org/wiki/.ch>  
ch

// ci : <https://en.wikipedia.org/wiki/.ci>  
// <http://www.nic.ci/index.php?page=charte>  
ci  
org.ci  
or.ci  
com.ci  
co.ci  
edu.ci  
ed.ci  
ac.ci  
net.ci  
go.ci  
asso.ci  
aéroport.ci  
int.ci  
presse.ci  
md.ci  
gouv.ci

// ck : <https://en.wikipedia.org/wiki/.ck>



\*.ck

!www.ck

// cl : <https://www.nic.cl>

// Confirmed by .CL registry <hsalgado@nic.cl>

cl

aprendemas.cl

co.cl

gob.cl

gov.cl

mil.cl

// cm : <https://en.wikipedia.org/wiki/.cm> plus bug 981927

cm

co.cm

com.cm

gov.cm

net.cm

// cn : <https://en.wikipedia.org/wiki/.cn>

// Submitted by registry <tanyaling@cnnic.cn>

cn

ac.cn

com.cn

edu.cn

gov.cn

net.cn

org.cn

mil.cn

.cn

.cn

.cn

// cn geographic names

ah.cn

bj.cn

cq.cn

fj.cn

gd.cn

gs.cn

gz.cn

gx.cn

ha.cn

hb.cn

he.cn

hi.cn

hl.cn

hn.cn

jl.cn

js.cn  
jx.cn  
ln.cn  
nm.cn  
nx.cn  
qh.cn  
sc.cn  
sd.cn  
sh.cn  
sn.cn  
sx.cn  
tj.cn  
xj.cn  
xz.cn  
yn.cn  
zj.cn  
hk.cn  
mo.cn  
tw.cn

//

co : <https://en.wikipedia.org/wiki/.co>  
// Submitted by registry <tecnico@uniandes.edu.co>

co  
arts.co  
com.co  
edu.co  
firm.co  
gov.co  
info.co  
int.co  
mil.co  
net.co  
nom.co  
org.co  
rec.co  
web.co

// com : <https://en.wikipedia.org/wiki/.com>  
com

// coop : <https://en.wikipedia.org/wiki/.coop>  
coop

// cr : [http://www.nic.cr/niccr\\_publico/showRegistroDominiosScreen.do](http://www.nic.cr/niccr_publico/showRegistroDominiosScreen.do)  
cr  
ac.cr  
co.cr

ed.cr  
fi.cr  
go.cr  
or.cr  
sa.cr

// cu : <https://en.wikipedia.org/wiki/cu>

cu  
com.cu  
edu.cu  
org.cu  
net.cu  
gov.cu  
inf.cu

// cv : <https://en.wikipedia.org/wiki/cv>

cv

// cw : [http://www.una.cw/cw\\_registry/](http://www.una.cw/cw_registry/)

// Confirmed by registry <registry@una.net> 2013-03-26

cw  
com.cw  
edu.cw  
net.cw  
org.cw

// cx : <https://en.wikipedia.org/wiki/cx>

// list of other 2nd level tlds ?

cx  
gov.cx

// cy : <http://www.nic.cy/>

// Submitted by registry

Panayiotou Fotia <cydns@ucy.ac.cy>

cy  
ac.cy  
biz.cy  
com.cy  
ekloges.cy  
gov.cy  
ltd.cy  
name.cy  
net.cy  
org.cy  
parliament.cy  
press.cy  
pro.cy  
tm.cy

// cz : <https://en.wikipedia.org/wiki/cz>

cz

// de : <https://en.wikipedia.org/wiki/de>

// Confirmed by registry <ops@denic.de> (with technical

// reservations) 2008-07-01

de

// dj : <https://en.wikipedia.org/wiki/dj>

dj

// dk : <https://en.wikipedia.org/wiki/dk>

// Confirmed by registry <robert@dk-hostmaster.dk> 2008-06-17

dk

// dm : <https://en.wikipedia.org/wiki/dm>

dm

com.dm

net.dm

org.dm

edu.dm

gov.dm

// do : <https://en.wikipedia.org/wiki/do>

do

art.do

com.do

edu.do

gob.do

gov.do

mil.do

net.do

org.do

sld.do

web.do

// dz : [http://www.nic.dz/images/pdf\\_nic/charte.pdf](http://www.nic.dz/images/pdf_nic/charte.pdf)

dz

art.dz

asso.dz

com.dz

edu.dz

gov.dz

org.dz

net.dz

pol.dz

soc.dz

tm.dz

// ec : <http://www.nic.ec/reg/paso1.asp>

// Submitted by registry <vabboud@nic.ec>

ec

com.ec

info.ec

net.ec

fin.ec

k12.ec

med.ec

pro.ec

org.ec

edu.ec

gov.ec

gob.ec

mil.ec

// edu : <https://en.wikipedia.org/wiki/.edu>

edu

//

ee : [http://www.eenet.ee/EENet/dom\\_reeglid.html#lisa\\_B](http://www.eenet.ee/EENet/dom_reeglid.html#lisa_B)

ee

edu.ee

gov.ee

riik.ee

lib.ee

med.ee

com.ee

pri.ee

aip.ee

org.ee

fie.ee

// eg : <https://en.wikipedia.org/wiki/.eg>

eg

com.eg

edu.eg

eun.eg

gov.eg

mil.eg

name.eg

net.eg

org.eg

sci.eg

// er : <https://en.wikipedia.org/wiki/.er>

\*.er

// es : [https://www.nic.es/site\\_ingles/ingles/dominios/index.html](https://www.nic.es/site_ingles/ingles/dominios/index.html)

es

com.es

nom.es

org.es

gob.es

edu.es

// et : <https://en.wikipedia.org/wiki/.et>

et

com.et

gov.et

org.et

edu.et

biz.et

name.et

info.et

net.et

// eu : <https://en.wikipedia.org/wiki/.eu>

eu

// fi : <https://en.wikipedia.org/wiki/.fi>

fi

// aland.fi : <https://en.wikipedia.org/wiki/.ax>

// This domain is being phased out in favor of .ax. As there are still many

// domains under aland.fi, we still keep it on the list until aland.fi is

// completely removed.

// TODO: Check for updates (expected to be phased out around Q1/2009)

aland.fi

// fj : <http://domains.fj/>

// Submitted by registry <garth.miller@cocca.org.nz> 2020-02-11

fj

ac.fj

biz.fj

com.fj

gov.fj

info.fj

mil.fj

name.fj

net.fj

org.fj

pro.fj

//

fk : <https://en.wikipedia.org/wiki/.fk>

\*.fk

// fm : <https://en.wikipedia.org/wiki/.fm>

com.fm

edu.fm

net.fm

org.fm

fm

// fo : <https://en.wikipedia.org/wiki/.fo>

fo

// fr : <http://www.afnic.fr/>

// domaines descriptifs :

[https://www.afnic.fr/medias/documents/Cadre\\_legal/Afnic\\_Naming\\_Policy\\_12122016\\_VEN.pdf](https://www.afnic.fr/medias/documents/Cadre_legal/Afnic_Naming_Policy_12122016_VEN.pdf)

fr

asso.fr

com.fr

gouv.fr

nom.fr

prd.fr

tm.fr

// domaines sectoriels : <https://www.afnic.fr/en/products-and-services/the-fr-tld/sector-based-fr-domains-4.html>

aeroport.fr

avocat.fr

avoues.fr

cci.fr

chambagri.fr

chirurgiens-dentistes.fr

experts-comptables.fr

geometre-expert.fr

greta.fr

huissier-justice.fr

medecin.fr

notaires.fr

pharmacien.fr

port.fr

veterinaire.fr

// ga : <https://en.wikipedia.org/wiki/.ga>

ga

// gb : This registry is effectively dormant

// Submitted by registry <Damien.Shaw@ja.net>

gb

// gd : <https://en.wikipedia.org/wiki/.gd>

edu.gd  
gov.gd  
gd

// ge : [http://www.nic.net.ge/policy\\_en.pdf](http://www.nic.net.ge/policy_en.pdf)

ge  
com.ge  
edu.ge  
gov.ge  
org.ge  
mil.ge  
net.ge  
pvt.ge

//

gf : <https://en.wikipedia.org/wiki/.gf>

gf

// gg : <http://www.channelisles.net/register-domains/>

// Confirmed by registry <nigel@channelisles.net> 2013-11-28

gg  
co.gg  
net.gg  
org.gg

// gh : <https://en.wikipedia.org/wiki/.gh>

// see also: [http://www.nic.gh/reg\\_now.php](http://www.nic.gh/reg_now.php)

// Although domains directly at second level are not possible at the moment,

// they have been possible for some time and may come back.

gh  
com.gh  
edu.gh  
gov.gh  
org.gh  
mil.gh

// gi : <http://www.nic.gi/rules.html>

gi  
com.gi  
ltd.gi  
gov.gi  
mod.gi  
edu.gi  
org.gi

// gl : <https://en.wikipedia.org/wiki/.gl>

// <http://nic.gl>

gl



co.gl  
com.gl  
edu.gl  
net.gl  
org.gl

// gm : <http://www.nic.gm/htmlpages%5Cgm-policy.htm>  
gm

// gn : <http://psg.com/dns/gn/gn.txt>  
// Submitted by registry <randy@psg.com>  
gn  
ac.gn  
com.gn  
edu.gn  
gov.gn  
org.gn  
net.gn

// gov : <https://en.wikipedia.org/wiki/.gov>  
gov

// gp : <http://www.nic.gp/index.php?lang=en>  
gp  
com.gp  
net.gp  
mobi.gp  
edu.gp  
org.gp  
asso.gp

//  
gq : <https://en.wikipedia.org/wiki/.gq>  
gq

// gr : <https://grweb.ics.forth.gr/english/1617-B-2005.html>  
// Submitted by registry <segred@ics.forth.gr>  
gr  
com.gr  
edu.gr  
net.gr  
org.gr  
gov.gr

// gs : <https://en.wikipedia.org/wiki/.gs>  
gs

// gt : [https://www.gt/sitio/registration\\_policy.php?lang=en](https://www.gt/sitio/registration_policy.php?lang=en)

gt  
com.gt  
edu.gt  
gob.gt  
ind.gt  
mil.gt  
net.gt  
org.gt

// gu : <http://gadao.gov.gu/register.html>  
// University of Guam : <https://www.uog.edu>  
// Submitted by uognoc@triton.uog.edu

gu  
com.gu  
edu.gu  
gov.gu  
guam.gu  
info.gu  
net.gu  
org.gu  
web.gu

// gw : <https://en.wikipedia.org/wiki/.gw>  
gw

// gy : <https://en.wikipedia.org/wiki/.gy>  
// <http://registry.gy/>

gy  
co.gy  
com.gy  
edu.gy  
gov.gy  
net.gy  
org.gy

// hk : <https://www.hkirc.hk>  
// Submitted by registry <hk.tech@hkirc.hk>

hk  
com.hk  
edu.hk  
gov.hk  
idv.hk  
net.hk  
org.hk  
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.hk

// hm : <https://en.wikipedia.org/wiki/.hm>  
hm

// hn : <http://www.nic.hn/politicas/ps02,,05.html>  
hn  
com.hn  
edu.hn  
org.hn  
net.hn  
mil.hn  
gob.hn

//  
hr : <http://www.dns.hr/documents/pdf/HRTLD-regulations.pdf>  
hr  
iz.hr  
from.hr  
name.hr  
com.hr

// ht : <http://www.nic.ht/info/charte.cfm>  
ht  
com.ht  
shop.ht  
firm.ht  
info.ht  
adult.ht  
net.ht  
pro.ht  
org.ht  
med.ht  
art.ht  
coop.ht  
pol.ht  
asso.ht  
edu.ht

rel.ht  
gouv.ht  
perso.ht

// hu : <http://www.domain.hu/domain/English/sld.html>  
// Confirmed by registry <pasztor@iszt.hu> 2008-06-12

hu  
co.hu  
info.hu  
org.hu  
priv.hu  
sport.hu  
tm.hu  
2000.hu  
agrar.hu  
bolt.hu  
casino.hu  
city.hu  
erotica.hu  
erotika.hu  
film.hu  
forum.hu  
games.hu  
hotel.hu  
ingatlan.hu  
jogasz.hu  
konyvelo.hu  
lakas.hu  
media.hu  
news.hu  
reklam.hu  
sex.hu  
shop.hu  
suli.hu  
szex.hu  
tozsde.hu  
utazas.hu  
video.hu

// id : <https://pandi.id/en/domain/registration-requirements/>

id  
ac.id  
biz.id  
co.id  
desa.id  
go.id  
mil.id  
my.id

net.id  
or.id  
ponpes.id  
sch.id  
web.id

// ie : <https://en.wikipedia.org/wiki/.ie>  
ie  
gov.ie

// il : <http://www.isoc.org.il/domains/>  
il  
ac.il  
co.il  
gov.il  
idf.il  
k12.il  
muni.il  
net.il  
org.il

//  
im : <https://www.nic.im/>  
// Submitted by registry <info@nic.im>  
im  
ac.im  
co.im  
com.im  
ltd.co.im  
net.im  
org.im  
plc.co.im  
tt.im  
tv.im

// in : <https://en.wikipedia.org/wiki/.in>  
// see also: <https://registry.in/Policies>  
// Please note, that nic.in is not an official eTLD, but used by most  
// government institutions.  
in  
co.in  
firm.in  
net.in  
org.in  
gen.in  
ind.in  
nic.in  
ac.in

edu.in  
res.in  
gov.in  
mil.in

// info : <https://en.wikipedia.org/wiki/.info>  
info

// int : <https://en.wikipedia.org/wiki/.int>  
// Confirmed by registry <iana-questions@icann.org> 2008-06-18  
int  
eu.int

// io : <http://www.nic.io/rules.html>  
// list of other 2nd level tlds ?  
io  
com.io

// iq : <http://www.cmc.iq/english/iq/iqregister1.htm>  
iq  
gov.iq  
edu.iq  
mil.iq  
com.iq  
org.iq  
net.iq

// ir : [http://www.nic.ir/Terms\\_and\\_Conditions\\_ir\\_Appendix\\_1\\_Domain\\_Rules](http://www.nic.ir/Terms_and_Conditions_ir_Appendix_1_Domain_Rules)  
// Also see [http://www.nic.ir/Internationalized\\_Domain\\_Names](http://www.nic.ir/Internationalized_Domain_Names)  
// Two <iran>.ir entries added at request of <tech-team@nic.ir>, 2010-04-16  
ir  
ac.ir  
co.ir  
gov.ir  
id.ir  
net.ir  
org.ir  
sch.ir  
//  
xn--mgb3a4f16a.ir (<iran>.ir, Persian YEH)  
.ir  
// xn--mgb3a4fra.ir (<iran>.ir, Arabic YEH)  
.ir

// is : <http://www.isnic.is/domain/rules.php>  
// Confirmed by registry <marius@isgate.is> 2008-12-06  
is  
net.is

com.is  
edu.is  
gov.is  
org.is  
int.is

// it : <https://en.wikipedia.org/wiki/.it>

it

gov.it

edu.it

// Reserved geo-names (regions and provinces):

// [https://www.nic.it/sites/default/files/archivio/docs/Regulation\\_assignment\\_v7.1.pdf](https://www.nic.it/sites/default/files/archivio/docs/Regulation_assignment_v7.1.pdf)

// Regions

abr.it

abruzzo.it

aosta-valley.it

aostavalley.it

bas.it

basilicata.it

cal.it

calabria.it

cam.it

campania.it

emilia-romagna.it

emiliaromagna.it

emr.it

friuli-v-giulia.it

friuli-ve-giulia.it

friuli-vegiulia.it

friuli-venezia-giulia.it

friuli-venziagiulia.it

friuli-vgiulia.it

friuliv-giulia.it

friulive-giulia.it

friulivegiulia.it

friulivenezia-giulia.it

friulivenziagiulia.it

friulivgiulia.it

fvg.it

laz.it

lazio.it

lig.it

liguria.it

lom.it

lombardia.it

lombardy.it

lucania.it

mar.it

marche.it  
mol.it  
molise.it  
piedmont.it  
piemonte.it  
pmn.it  
pug.it  
puglia.it  
sar.it  
sardegna.it  
sardinia.it  
sic.it  
sicilia.it  
sicily.it  
taa.it  
tos.it  
toscana.it  
trentin-sud-tirol.it  
trentin-süd-tirol.it  
trentin-sudtirol.it  
trentin-südtirol.it  
trentin-sued-tirol.it  
trentin-suedtirol.it  
trentino-a-adige.it  
trentino-aadige.it  
trentino-alto-adige.it  
trentino-altoadige.it  
trentino-s-tirol.it  
trentino-stirol.it  
trentino-sud-tirol.it  
trentino-süd-tirol.it  
trentino-sudtirol.it  
trentino-südtirol.it  
trentino-sued-tirol.it  
trentino-suedtirol.it  
trentino.it  
trentinoa-adige.it  
trentinoaadige.it  
trentinoalto-adige.it  
trentinoaltoadige.it  
trentinos-tirol.it  
trentinostirol.it  
trentinosud-tirol.it  
trentinosüd-tirol.it  
trentinosudtirol.it  
trentinosüdtirol.it  
trentinosued-tirol.it  
trentinosuedtirol.it



trentinsud-tirol.it  
trentinsüd-tirol.it  
trentinsudtirol.it  
trentinsüdtirol.it  
trentinsued-tirol.it  
trentinsuedtirol.it  
tuscany.it  
umb.it  
umbria.it  
val-d-aosta.it  
val-daosta.it  
vald-aosta.it  
valdaosta.it  
valle-aosta.it  
valle-d-aosta.it  
valle-daosta.it  
valleaosta.it  
valled-aosta.it  
valledaosta.it  
vallee-aoste.it  
vallée-aoste.it  
vallee-d-aoste.it  
vallée-d-aoste.it  
valleeaoste.it  
valléeaoste.it  
valleedaoste.it  
valléedaoste.it  
vao.it  
vda.it  
ven.it  
veneto.it  
//  
Provinces  
ag.it  
agrigeno.it  
al.it  
alessandria.it  
alto-adige.it  
altoadige.it  
an.it  
ancona.it  
andria-barletta-trani.it  
andria-trani-barletta.it  
andriabarlettatrani.it  
andriatranibarletta.it  
ao.it  
aosta.it  
aoste.it

ap.it  
aq.it  
aquila.it  
ar.it  
arezzo.it  
ascoli-piceno.it  
ascolipiceno.it  
asti.it  
at.it  
av.it  
avellino.it  
ba.it  
balsan-sudtirol.it  
balsan-südtirol.it  
balsan-suedtirol.it  
balsan.it  
bari.it  
barletta-trani-andria.it  
barlettatraniandria.it  
belluno.it  
benevento.it  
bergamo.it  
bg.it  
bi.it  
biella.it  
bl.it  
bn.it  
bo.it  
bologna.it  
bolzano-altoadige.it  
bolzano.it  
bozen-sudtirol.it  
bozen-südtirol.it  
bozen-suedtirol.it  
bozen.it  
br.it  
brescia.it  
brindisi.it  
bs.it  
bt.it  
bulsan-sudtirol.it  
bulsan-südtirol.it  
bulsan-suedtirol.it  
bulsan.it  
bz.it  
ca.it  
cagliari.it  
caltanissetta.it

campidano-medio.it  
campidanomedio.it  
campobasso.it  
carbonia-iglesias.it  
carboniaiglesias.it  
carrara-massa.it  
carraramassa.it  
caserta.it  
catania.it  
catanzaro.it  
cb.it  
ce.it  
cesena-forli.it  
cesena-forli.it  
cesenaforli.it  
cesenaforli.it  
ch.it  
chieti.it  
ci.it  
cl.it  
cn.it  
co.it  
como.it  
cosenza.it  
cr.it  
cremona.it  
crotone.it  
cs.it  
ct.it  
cuneo.it  
cz.it  
dell-ogliastra.it  
dellogliastra.it  
en.it  
enna.it  
fc.it  
fe.it  
fermo.it  
ferrara.it  
fg.it  
fi.it  
firenze.it  
florence.it  
fm.it  
foggia.it  
forli-cesena.it  
forli-cesena.it  
forlicesena.it

forlicesena.it  
fr.it  
frosinone.it  
ge.it  
genoa.it  
genova.it  
go.it  
gorizia.it  
gr.it  
grosseto.it  
iglesias-carbonia.it  
iglesiascarbonia.it  
im.it  
imperia.it  
is.it  
isernia.it  
kr.it  
la-spezia.it  
laquila.it  
laspezia.it  
latina.it  
lc.it  
le.it  
lecce.it  
lecco.it  
li.it  
livorno.it  
lo.it  
lodi.it  
lt.it  
lu.it  
lucca.it  
macerata.it  
mantova.it  
massa-carrara.it  
massacarrara.it  
matera.it  
mb.it  
mc.it  
me.it  
medio-campidano.it  
mediocampidano.it  
messina.it  
mi.it  
milan.it  
milano.it  
mn.it  
mo.it

modena.it  
monza-brianza.it  
monza-e-della-brianza.it  
monza.it  
monzabrianza.it  
monzaebrianza.it  
monzaedellabrianza.it  
ms.it  
mt.it  
na.it  
naples.it  
napoli.it  
no.it  
novara.it  
nu.it  
nuoro.it  
og.it  
ogliastra.it  
olbia-tempio.it  
olbiatempio.it  
or.it  
oristano.it  
ot.it  
pa.it  
padova.it  
padua.it  
palermo.it  
parma.it  
pavia.it  
pc.it  
pd.it  
pe.it  
perugia.it  
pesaro-urbino.it  
pesarourbino.it  
pescara.it  
pg.it  
pi.it  
piacenza.it  
pisa.it  
pistoia.it  
pn.it  
po.it  
pordenone.it  
potenza.it  
pr.it  
prato.it  
pt.it

pu.it  
pv.it  
pz.it  
ra.it  
ragusa.it  
ravenna.it  
rc.it  
re.it  
reggio-calabria.it  
reggio-emilia.it  
reggiocalabria.it  
reggioemilia.it  
rg.it  
ri.it  
rieti.it  
rimini.it  
rm.it  
rn.it  
ro.it  
roma.it  
rome.it  
rovigo.it  
sa.it  
salerno.it  
sassari.it  
savona.it  
si.it  
siena.it  
siracusa.it  
so.it  
sondrio.it  
sp.it  
sr.it  
ss.it  
suedtirol.it  
südtirol.it  
sv.it  
ta.it  
taranto.it  
te.it  
tempio-olbia.it  
tempioolbia.it  
teramo.it  
terni.it  
tn.it  
to.it  
torino.it  
tp.it

tr.it  
trani-andria-barletta.it  
trani-barletta-andria.it  
traniandriabarletta.it  
tranibarlettaandria.it  
trapani.it  
trento.it  
treviso.it  
trieste.it  
ts.it  
turin.it  
tv.it  
ud.it  
udine.it  
urbino-pesaro.it  
urbinopesaro.it  
va.it  
varese.it  
vb.it  
vc.it  
ve.it  
venezia.it  
venice.it  
verbania.it  
vercelli.it  
verona.it  
vi.it  
vibo-valentia.it  
vibovalentia.it  
vicenza.it  
viterbo.it  
vr.it  
vs.it  
vt.it  
vv.it

//  
je : <http://www.channelisles.net/register-domains/>  
// Confirmed by registry <nigel@channelisles.net> 2013-11-28  
je  
co.je  
net.je  
org.je

// jm : <http://www.com.jm/register.html>  
\*.jm

// jo : [http://www.dns.jo/Registration\\_policy.aspx](http://www.dns.jo/Registration_policy.aspx)

jo  
com.jo  
org.jo  
net.jo  
edu.jo  
sch.jo  
gov.jo  
mil.jo  
name.jo

// jobs : <https://en.wikipedia.org/wiki/.jobs>  
jobs

// jp : <https://en.wikipedia.org/wiki/.jp>  
// <http://jprs.co.jp/en/jpdomain.html>  
// Submitted by registry <[info@jprs.jp](mailto:info@jprs.jp)>

jp  
// jp organizational type names

ac.jp  
ad.jp  
co.jp  
ed.jp  
go.jp  
gr.jp  
lg.jp  
ne.jp  
or.jp

// jp prefecture type names

aichi.jp  
akita.jp  
aomori.jp  
chiba.jp  
ehime.jp  
fukui.jp  
fukuoka.jp  
fukushima.jp  
gifu.jp  
gunma.jp  
hiroshima.jp  
hokkaido.jp  
hyogo.jp  
ibaraki.jp  
ishikawa.jp  
iwate.jp  
kagawa.jp  
kagoshima.jp  
kanagawa.jp  
kochi.jp





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.jp  
.jp  
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.jp  
.jp  
.jp  
.jp  
.jp  
//  
jp geographic type names  
// <http://jprs.jp/doc/rule/saisoku-1.html>  
\*.kawasaki.jp  
\*.kitakyushu.jp  
\*.kobe.jp  
\*.nagoya.jp  
\*.sapporo.jp  
\*.sendai.jp  
\*.yokohama.jp  
!city.kawasaki.jp  
!city.kitakyushu.jp  
!city.kobe.jp  
!city.nagoya.jp  
!city.sapporo.jp  
!city.sendai.jp  
!city.yokohama.jp  
// 4th level registration  
aisai.aichi.jp  
ama.aichi.jp  
anjo.aichi.jp  
asuke.aichi.jp

chiryu.aichi.jp  
chita.aichi.jp  
fuso.aichi.jp  
gamagori.aichi.jp  
handa.aichi.jp  
hazu.aichi.jp  
hekinan.aichi.jp  
higashiura.aichi.jp  
ichinomiya.aichi.jp  
inazawa.aichi.jp  
inuyama.aichi.jp  
isshiki.aichi.jp  
iwakura.aichi.jp  
kanie.aichi.jp  
kariya.aichi.jp  
kasugai.aichi.jp  
kira.aichi.jp  
kiyosu.aichi.jp  
komaki.aichi.jp  
konan.aichi.jp  
kota.aichi.jp  
mihama.aichi.jp  
miyoshi.aichi.jp  
nishio.aichi.jp  
nisshin.aichi.jp  
obu.aichi.jp  
oguchi.aichi.jp  
oharu.aichi.jp  
okazaki.aichi.jp  
owariasahi.aichi.jp  
seto.aichi.jp  
shikatsu.aichi.jp  
shinshiro.aichi.jp  
shitara.aichi.jp  
tahara.aichi.jp  
takahama.aichi.jp  
tobishima.aichi.jp  
toei.aichi.jp  
togo.aichi.jp  
tokai.aichi.jp  
tokoname.aichi.jp  
toyoake.aichi.jp  
toyohashi.aichi.jp  
toyokawa.aichi.jp  
toyone.aichi.jp  
toyota.aichi.jp  
tsushima.aichi.jp  
yatomi.aichi.jp

akita.akita.jp  
daisen.akita.jp  
fujisato.akita.jp  
gojome.akita.jp  
hachirogata.akita.jp  
happou.akita.jp  
higashinaruse.akita.jp  
honjo.akita.jp  
honjyo.akita.jp  
ikawa.akita.jp  
kamikoani.akita.jp  
kamioka.akita.jp  
katagami.akita.jp  
kazuno.akita.jp  
kitaakita.akita.jp  
kosaka.akita.jp  
kyowa.akita.jp  
misato.akita.jp  
mitane.akita.jp  
moriyoshi.akita.jp  
nikaho.akita.jp  
noshiro.akita.jp  
odate.akita.jp  
oga.akita.jp  
ogata.akita.jp  
semboku.akita.jp  
yokote.akita.jp  
yurihonjo.akita.jp  
aomori.aomori.jp  
gonohe.aomori.jp  
hachinohe.aomori.jp  
hashikami.aomori.jp  
hiranai.aomori.jp  
hirosaki.aomori.jp  
itayanagi.aomori.jp  
kuroishi.aomori.jp  
misawa.aomori.jp  
mutsu.aomori.jp  
nakadomari.aomori.jp  
noheji.aomori.jp  
oirase.aomori.jp  
owani.aomori.jp  
rokunohe.aomori.jp  
sannohe.aomori.jp  
shichinohe.aomori.jp  
shingo.aomori.jp  
takko.aomori.jp  
towada.aomori.jp

tsugaru.aomori.jp  
tsuruta.aomori.jp  
abiko.chiba.jp  
asahi.chiba.jp  
chonan.chiba.jp  
chosei.chiba.jp  
choshi.chiba.jp  
chuo.chiba.jp  
funabashi.chiba.jp  
futtsu.chiba.jp  
hanamigawa.chiba.jp  
ichihara.chiba.jp  
ichikawa.chiba.jp  
ichinomiya.chiba.jp  
inzai.chiba.jp  
isumi.chiba.jp  
kamagaya.chiba.jp  
kamogawa.chiba.jp  
kashiwa.chiba.jp  
katori.chiba.jp  
katsuura.chiba.jp  
kimitsu.chiba.jp  
kisarazu.chiba.jp  
kozaki.chiba.jp  
kujukuri.chiba.jp  
kyonan.chiba.jp  
matsudo.chiba.jp  
midori.chiba.jp  
mihama.chiba.jp  
minamiboso.chiba.jp  
mobara.chiba.jp  
mutsuzawa.chiba.jp  
nagara.chiba.jp  
nagareyama.chiba.jp  
narashino.chiba.jp  
narita.chiba.jp  
noda.chiba.jp  
oamishirasato.chiba.jp  
omigawa.chiba.jp  
onjuku.chiba.jp  
otaki.chiba.jp  
sakae.chiba.jp  
sakura.chiba.jp  
shimofusa.chiba.jp  
shirako.chiba.jp  
shiroi.chiba.jp  
shisui.chiba.jp  
sodegaura.chiba.jp

sosa.chiba.jp  
tako.chiba.jp  
tateyama.chiba.jp  
togane.chiba.jp  
tohnosho.chiba.jp  
tomisato.chiba.jp  
urayasu.chiba.jp  
yachimata.chiba.jp  
yachiyo.chiba.jp  
yokaichiba.chiba.jp  
yokoshibahikari.chiba.jp  
yotsukaido.chiba.jp  
ainan.ehime.jp  
honai.ehime.jp  
ikata.ehime.jp  
imabari.ehime.jp  
iyo.ehime.jp  
kamijima.ehime.jp  
kihoku.ehime.jp  
kumakogen.ehime.jp  
masaki.ehime.jp  
matsuno.ehime.jp  
matsuyama.ehime.jp  
namikata.ehime.jp  
niihama.ehime.jp  
ozu.ehime.jp  
saijo.ehime.jp  
seiyo.ehime.jp  
shikokuchuo.ehime.jp  
tobe.ehime.jp  
toon.ehime.jp  
uchiko.ehime.jp  
uwajima.ehime.jp  
yawatahama.ehime.jp  
echizen.fukui.jp  
eiheiji.fukui.jp  
fukui.fukui.jp  
ikeda.fukui.jp  
katsuyama.fukui.jp  
mihama.fukui.jp  
minamiechizen.fukui.jp  
obama.fukui.jp  
ohi.fukui.jp  
ono.fukui.jp  
sabae.fukui.jp  
sakai.fukui.jp  
takahama.fukui.jp  
tsuruga.fukui.jp

wakasa.fukui.jp  
ashiya.fukuoka.jp  
buzen.fukuoka.jp  
chikugo.fukuoka.jp  
chikuho.fukuoka.jp  
chikujo.fukuoka.jp  
chikushino.fukuoka.jp  
chikuzen.fukuoka.jp  
chuo.fukuoka.jp  
dazaifu.fukuoka.jp  
fukuchi.fukuoka.jp  
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kaminoyama.yamagata.jp  
kaneyama.yamagata.jp  
kawanishi.yamagata.jp  
mamurogawa.yamagata.jp  
mikawa.yamagata.jp  
murayama.yamagata.jp  
nagai.yamagata.jp  
nakayama.yamagata.jp  
nanyo.yamagata.jp  
nishikawa.yamagata.jp  
obanazawa.yamagata.jp  
oe.yamagata.jp  
oguni.yamagata.jp  
ohkura.yamagata.jp  
oishida.yamagata.jp  
sagae.yamagata.jp  
sakata.yamagata.jp  
sakegawa.yamagata.jp  
shinjo.yamagata.jp  
shirataka.yamagata.jp  
shonai.yamagata.jp  
takahata.yamagata.jp  
tendo.yamagata.jp  
tozawa.yamagata.jp  
tsuruoka.yamagata.jp  
yamagata.yamagata.jp  
yamanobe.yamagata.jp  
yonezawa.yamagata.jp  
yuza.yamagata.jp  
abu.yamaguchi.jp  
hagi.yamaguchi.jp  
hikari.yamaguchi.jp  
hofu.yamaguchi.jp  
iwakuni.yamaguchi.jp  
kudamatsu.yamaguchi.jp  
mitou.yamaguchi.jp

nagato.yamaguchi.jp  
oshima.yamaguchi.jp  
shimonoseki.yamaguchi.jp  
shunan.yamaguchi.jp  
tabuse.yamaguchi.jp  
tokuyama.yamaguchi.jp  
toyota.yamaguchi.jp  
ube.yamaguchi.jp  
yuu.yamaguchi.jp  
chuo.yamanashi.jp  
doshi.yamanashi.jp  
fuefuki.yamanashi.jp  
fujikawa.yamanashi.jp  
fujikawaguchiko.yamanashi.jp  
fujiyoshida.yamanashi.jp  
hayakawa.yamanashi.jp  
hokuto.yamanashi.jp  
ichikawamisato.yamanashi.jp  
kai.yamanashi.jp  
kofu.yamanashi.jp  
koshu.yamanashi.jp  
kosuge.yamanashi.jp  
minami-alps.yamanashi.jp  
minobu.yamanashi.jp  
nakamichi.yamanashi.jp  
nanbu.yamanashi.jp  
narusawa.yamanashi.jp  
nirasaki.yamanashi.jp  
nishikatsura.yamanashi.jp  
oshino.yamanashi.jp  
otsuki.yamanashi.jp  
showa.yamanashi.jp  
tabayama.yamanashi.jp  
tsuru.yamanashi.jp  
uenohara.yamanashi.jp  
yamanakako.yamanashi.jp  
yamanashi.yamanashi.jp

//

ke : <http://www.kenic.or.ke/index.php/en/ke-domains/ke-domains>

ke

ac.ke

co.ke

go.ke

info.ke

me.ke

mobi.ke

ne.ke

or.ke  
sc.ke

// kg : [http://www.domain.kg/dmn\\_n.html](http://www.domain.kg/dmn_n.html)

kg  
org.kg  
net.kg  
com.kg  
edu.kg  
gov.kg  
mil.kg

// kh : [http://www.mptc.gov.kh/dns\\_registration.htm](http://www.mptc.gov.kh/dns_registration.htm)  
\*.kh

// ki : <http://www.ki/dns/index.html>

ki  
edu.ki  
biz.ki  
net.ki  
org.ki  
gov.ki  
info.ki  
com.ki

// km : <https://en.wikipedia.org/wiki/.km>  
// <http://www.domaine.km/documents/charte.doc>

km  
org.km  
nom.km  
gov.km  
prd.km  
tm.km  
edu.km  
mil.km  
ass.km  
com.km

//

These are only mentioned as proposed suggestions at [domaine.km](http://www.domaine.km), but  
// <https://en.wikipedia.org/wiki/.km> says they're available for registration:

coop.km  
asso.km  
presse.km  
medecin.km  
notaires.km  
pharmaciens.km  
veterinaire.km  
gouv.km

// kn : <https://en.wikipedia.org/wiki/.kn>  
// <http://www.dot.kn/domainRules.html>  
kn  
net.kn  
org.kn  
edu.kn  
gov.kn

// kp : [http://www.kcce.kp/en\\_index.php](http://www.kcce.kp/en_index.php)  
kp  
com.kp  
edu.kp  
gov.kp  
org.kp  
rep.kp  
tra.kp

// kr : <https://en.wikipedia.org/wiki/.kr>  
// see also: <http://domain.nida.or.kr/eng/registration.jsp>

kr  
ac.kr  
co.kr  
es.kr  
go.kr  
hs.kr  
kg.kr  
mil.kr  
ms.kr  
ne.kr  
or.kr  
pe.kr  
re.kr  
sc.kr  
// kr geographical names  
busan.kr  
chungbuk.kr  
chungnam.kr  
daegu.kr  
daejeon.kr  
gangwon.kr  
gwangju.kr  
gyeongbuk.kr  
gyeonggi.kr  
gyeongnam.kr  
incheon.kr  
jeju.kr  
jeonbuk.kr

jeonnam.kr  
seoul.kr  
ulsan.kr

// kw : <https://www.nic.kw/policies/>  
// Confirmed by registry <nic.tech@citra.gov.kw>

kw  
com.kw  
edu.kw  
emb.kw  
gov.kw  
ind.kw  
net.kw  
org.kw

// ky : [http://www.icta.ky/da\\_ky\\_reg\\_dom.php](http://www.icta.ky/da_ky_reg_dom.php)  
//  
Confirmed by registry <kysupport@perimeterusa.com> 2008-06-17

ky  
edu.ky  
gov.ky  
com.ky  
org.ky  
net.ky

// kz : <https://en.wikipedia.org/wiki/.kz>  
// see also: <http://www.nic.kz/rules/index.jsp>

kz  
org.kz  
edu.kz  
net.kz  
gov.kz  
mil.kz  
com.kz

// la : <https://en.wikipedia.org/wiki/.la>  
// Submitted by registry <gavin.brown@nic.la>

la  
int.la  
net.la  
info.la  
edu.la  
gov.la  
per.la  
com.la  
org.la

// lb : <https://en.wikipedia.org/wiki/.lb>



// Submitted by registry <randy@psg.com>

lb  
com.lb  
edu.lb  
gov.lb  
net.lb  
org.lb

// lc : <https://en.wikipedia.org/wiki/.lc>  
// see also: <http://www.nic.lc/rules.htm>

lc  
com.lc  
net.lc  
co.lc  
org.lc  
edu.lc  
gov.lc

// li : <https://en.wikipedia.org/wiki/.li>

li

// lk : <https://www.nic.lk/index.php/domain-registration/lk-domain-naming-structure>

lk  
gov.lk  
sch.lk  
net.lk  
int.lk  
com.lk  
org.lk  
edu.lk  
ngo.lk  
soc.lk  
web.lk  
ltd.lk  
assn.lk  
grp.lk  
hotel.lk  
ac.lk

// lr : <http://psg.com/dns/lr/lr.txt>

// Submitted by registry <randy@psg.com>

lr  
com.lr  
edu.lr  
gov.lr  
org.lr  
net.lr

```
//  
ls : http://www.nic.ls/  
// Confirmed by registry <lsadmin@nic.ls>  
ls  
ac.ls  
biz.ls  
co.ls  
edu.ls  
gov.ls  
info.ls  
net.ls  
org.ls  
sc.ls  
  
// lt : https://en.wikipedia.org/wiki/Lt  
lt  
// gov.lt : http://www.gov.lt/index_en.php  
gov.lt  
  
// lu : http://www.dns.lu/en/  
lu  
  
// lv : http://www.nic.lv/DNS/En/generic.php  
lv  
com.lv  
edu.lv  
gov.lv  
org.lv  
mil.lv  
id.lv  
net.lv  
asn.lv  
conf.lv  
  
// ly : http://www.nic.ly/regulations.php  
ly  
com.ly  
net.ly  
gov.ly  
plc.ly  
edu.ly  
sch.ly  
med.ly  
org.ly  
id.ly  
  
// ma : https://en.wikipedia.org/wiki/.ma  
// http://www.anrt.ma/fr/admin/download/upload/file_fr782.pdf
```

ma  
co.ma  
net.ma  
gov.ma  
org.ma  
ac.ma  
press.ma

// mc : <http://www.nic.mc/>

mc  
tm.mc  
asso.mc

// md : <https://en.wikipedia.org/wiki/.md>

md

// me : <https://en.wikipedia.org/wiki/.me>

me  
co.me  
net.me  
org.me  
edu.me  
ac.me  
gov.me  
its.me  
priv.me

// mg : [http://nic.mg/nicmg/?page\\_id=39](http://nic.mg/nicmg/?page_id=39)

mg  
org.mg  
nom.mg  
gov.mg  
prd.mg  
tm.mg  
edu.mg  
mil.mg  
com.mg  
co.mg

// mh : <https://en.wikipedia.org/wiki/.mh>

mh

// mil : <https://en.wikipedia.org/wiki/.mil>

mil

//

mk : <https://en.wikipedia.org/wiki/.mk>

// see also: <http://dns.marnet.net.mk/postapka.php>

mk  
com.mk  
org.mk  
net.mk  
edu.mk  
gov.mk  
inf.mk  
name.mk

// ml : <http://www.gobin.info/domainname/ml-template.doc>

// see also: <https://en.wikipedia.org/wiki/.ml>

ml  
com.ml  
edu.ml  
gouv.ml  
gov.ml  
net.ml  
org.ml  
presse.ml

// mm : <https://en.wikipedia.org/wiki/.mm>

\*.mm

// mn : <https://en.wikipedia.org/wiki/.mn>

mn  
gov.mn  
edu.mn  
org.mn

// mo : <http://www.monic.net.mo/>

mo  
com.mo  
net.mo  
org.mo  
edu.mo  
gov.mo

// mobi : <https://en.wikipedia.org/wiki/.mobi>

mobi

// mp : <http://www.dot.mp/>

// Confirmed by registry <[dcamacho@saipan.com](mailto:dcamacho@saipan.com)> 2008-06-17

mp

// mq : <https://en.wikipedia.org/wiki/.mq>

mq

// mr : <https://en.wikipedia.org/wiki/.mr>

mr  
gov.mr

// ms : [http://www.nic.ms/pdf/MS\\_Domain\\_Name\\_Rules.pdf](http://www.nic.ms/pdf/MS_Domain_Name_Rules.pdf)

ms  
com.ms  
edu.ms  
gov.ms  
net.ms  
org.ms

// mt : <https://www.nic.org.mt/go/policy>

// Submitted by registry <[help@nic.org.mt](mailto:help@nic.org.mt)>

mt  
com.mt  
edu.mt  
net.mt  
org.mt

// mu : <https://en.wikipedia.org/wiki/.mu>

mu  
com.mu  
net.mu  
org.mu  
gov.mu  
ac.mu  
co.mu  
or.mu

//

museum : <http://about.museum/naming/>

// <http://index.museum/>

museum  
academy.museum  
agriculture.museum  
air.museum  
airguard.museum  
alabama.museum  
alaska.museum  
amber.museum  
ambulance.museum  
american.museum  
americana.museum  
americanantiques.museum  
americanart.museum  
amsterdam.museum  
and.museum  
annefrank.museum

anthro.museum  
anthropology.museum  
antiques.museum  
aquarium.museum  
arboretum.museum  
archaeological.museum  
archaeology.museum  
architecture.museum  
art.museum  
artanddesign.museum  
artcenter.museum  
artdeco.museum  
arteducation.museum  
artgallery.museum  
arts.museum  
artsandcrafts.museum  
asmatart.museum  
assassination.museum  
assisi.museum  
association.museum  
astronomy.museum  
atlanta.museum  
austin.museum  
australia.museum  
automotive.museum  
aviation.museum  
axis.museum  
badajoz.museum  
baghdad.museum  
bahn.museum  
bale.museum  
baltimore.museum  
barcelona.museum  
baseball.museum  
basel.museum  
baths.museum  
bauern.museum  
beauxarts.museum  
beeldengeluid.museum  
bellevue.museum  
bergbau.museum  
berkeley.museum  
berlin.museum  
bern.museum  
bible.museum  
bilbao.museum  
bill.museum  
birdart.museum

birthplace.museum  
bonn.museum  
boston.museum  
botanical.museum  
botanicalgarden.museum  
botanicgarden.museum  
botany.museum  
brandywinevalley.museum  
brasil.museum  
bristol.museum  
british.museum  
britishcolumbia.museum  
broadcast.museum  
brunel.museum  
brussel.museum  
brussels.museum  
bruxelles.museum  
building.museum  
burghof.museum  
bus.museum  
bushey.museum  
cadaques.museum  
california.museum  
cambridge.museum  
can.museum  
canada.museum  
capebreton.museum  
carrier.museum  
cartoonart.museum  
casadelamoneda.museum  
castle.museum  
castres.museum  
celtic.museum  
center.museum  
chattanooga.museum  
cheltenham.museum  
chesapeakebay.museum  
chicago.museum  
children.museum  
childrens.museum  
childrensgarden.museum  
chiropractic.museum  
chocolate.museum  
christiansburg.museum  
cincinnati.museum  
cinema.museum  
circus.museum  
civilisation.museum

civilization.museum  
civilwar.museum  
clinton.museum  
clock.museum  
coal.museum  
coastaldefence.museum  
cody.museum  
coldwar.museum  
collection.museum  
colonialwilliamsburg.museum  
coloradoplateau.museum  
columbia.museum  
columbus.museum  
communication.museum  
communications.museum  
community.museum  
computer.museum  
computerhistory.museum  
comunicações.museum  
contemporary.museum  
contemporaryart.museum  
convent.museum  
copenhagen.museum  
corporation.museum  
correios-e-telecomunicações.museum  
corvette.museum  
costume.museum  
countryestate.museum  
county.museum  
crafts.museum  
cranbrook.museum  
creation.museum  
cultural.museum  
culturalcenter.museum  
culture.museum  
cyber.museum  
cymru.museum  
dali.museum  
dallas.museum  
database.museum  
ddr.museum  
decorativearts.museum  
delaware.museum  
delmenhorst.museum  
denmark.museum  
depot.museum  
design.museum  
detroit.museum



dinosaur.museum  
discovery.museum  
dolls.museum  
donostia.museum  
durham.museum  
eastafrica.museum  
eastcoast.museum  
education.museum  
educational.museum  
egyptian.museum  
eisenbahn.museum  
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elvendrell.museum  
embroidery.museum  
encyclopedic.museum  
england.museum  
entomology.museum  
environment.museum  
environmentalconservation.museum  
epilepsy.museum  
essex.museum  
estate.museum  
ethnology.museum  
exeter.museum  
exhibition.museum  
family.museum  
farm.museum  
farmequipment.museum  
farmers.museum  
farmstead.museum  
field.museum  
figueres.museum  
filatelia.museum  
film.museum  
fineart.museum  
finearts.museum  
finland.museum  
flanders.museum  
florida.museum  
force.museum  
fortmissoula.museum  
fortworth.museum  
foundation.museum  
francaise.museum  
frankfurt.museum  
franziskaner.museum  
freemasonry.museum  
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fribourg.museum  
frog.museum  
fundacio.museum  
furniture.museum  
gallery.museum  
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gateway.museum  
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gemological.museum  
geology.museum  
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giessen.museum  
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gorge.museum  
grandrapids.museum  
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halloffame.museum  
hamburg.museum  
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health.museum  
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hellas.museum  
helsinki.museum  
hembygdsforbund.museum  
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histoire.museum  
historical.museum  
historicalsociety.museum  
historichouses.museum  
historisch.museum  
historisches.museum  
history.museum  
historyofscience.museum  
horology.museum  
house.museum  
humanities.museum  
illustration.museum  
imageandsound.museum  
indian.museum  
indiana.museum  
indianapolis.museum  
indianmarket.museum  
intelligence.museum  
interactive.museum

iraq.museum  
iron.museum  
isleofman.museum  
jamison.museum  
jefferson.museum  
jerusalem.museum  
jewelry.museum  
jewish.museum  
jewishart.museum  
jfk.museum  
journalism.museum  
judaica.museum  
judygarland.museum  
juedisches.museum  
juif.museum  
karate.museum  
karikatur.museum  
kids.museum  
koebenhavn.museum  
koeln.museum  
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kunstsammlung.museum  
kunstunddesign.museum  
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lajolla.museum  
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larsson.museum  
lewismiller.museum  
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losangeles.museum  
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loyalist.museum  
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mansion.museum  
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maritime.museum  
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meeres.museum  
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midatlantic.museum  
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modern.museum  
moma.museum  
money.museum  
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motorcycle.museum  
muenchen.museum  
muenster.museum  
mulhouse.museum  
muncie.museum  
museet.museum  
museumcenter.museum  
museumvereniging.museum  
music.museum  
national.museum  
nationalfirearms.museum  
nationalheritage.museum  
nativeamerican.museum  
naturalhistory.museum  
naturalhistorymuseum.museum  
naturalsciences.museum  
nature.museum  
naturhistorisches.museum

natuurwetenschappen.museum  
naumburg.museum  
naval.museum  
nebraska.museum  
neues.museum  
newhampshire.museum  
newjersey.museum  
newmexico.museum  
newport.museum  
newspaper.museum  
newyork.museum  
niepce.museum  
norfolk.museum  
north.museum  
nrw.museum  
nyc.museum  
nyny.museum  
oceanographic.museum  
oceanographique.museum  
omaha.museum  
online.museum  
ontario.museum  
openair.museum  
oregon.museum  
oregontrail.museum  
otago.museum  
oxford.museum  
pacific.museum  
paderborn.museum  
palace.museum  
paleo.museum  
palmsprings.museum  
panama.museum  
paris.museum  
pasadena.museum  
pharmacy.museum  
philadelphia.museum  
philadelphiaarea.museum  
philately.museum  
phoenix.museum  
photography.museum  
pilots.museum  
pittsburgh.museum  
planetarium.museum  
plantation.museum  
plants.museum  
plaza.museum  
portal.museum

portland.museum  
portlligat.museum  
posts-and-telecommunications.museum  
preservation.museum  
presidio.museum  
press.museum  
project.museum  
public.museum  
pubol.museum  
quebec.museum  
railroad.museum  
railway.museum  
research.museum  
resistance.museum  
riodejaneiro.museum  
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roma.museum  
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saintlouis.museum  
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salvadorali.museum  
salzburg.museum  
sandiego.museum  
sanfrancisco.museum  
santabarbara.museum  
santacruz.museum  
santafe.museum  
saskatchewan.museum  
satx.museum  
savannahga.museum  
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schoenbrunn.museum  
schokoladen.museum  
school.museum  
schweiz.museum  
science.museum  
scienceandhistory.museum  
scienceandindustry.museum  
sciencecenter.museum  
sciencecenters.museum  
science-fiction.museum  
sciencehistory.museum  
sciences.museum  
sciencesnaturelles.museum  
scotland.museum  
seaport.museum  
settlement.museum

settlers.museum  
shell.museum  
sherbrooke.museum  
sibenik.museum  
silk.museum  
ski.museum  
skole.museum  
society.museum  
sologne.museum  
soundandvision.museum  
southcarolina.museum  
southwest.museum  
space.museum  
spy.museum  
square.museum  
stadt.museum  
stalbans.museum  
starnberg.museum  
state.museum  
stateofdelaware.museum  
station.museum  
steam.museum  
steiermark.museum  
stjohn.museum  
stockholm.museum  
stpetersburg.museum  
stuttgart.museum  
suisse.museum  
surgeonshall.museum  
surrey.museum  
svizzera.museum  
sweden.museum  
sydney.museum  
tank.museum  
tcm.museum  
technology.museum  
telekommunikation.museum  
television.museum  
texas.museum  
textile.museum  
theater.museum  
time.museum  
timekeeping.museum  
topology.museum  
torino.museum  
touch.museum  
town.museum  
transport.museum

tree.museum  
trolley.museum  
trust.museum  
trustee.museum  
uhren.museum  
ulm.museum  
undersea.museum  
university.museum  
usa.museum  
usantiques.museum  
usarts.museum  
uscountrystate.museum  
usculture.museum  
usdecorativearts.museum  
usgarden.museum  
ushistory.museum  
ushuaia.museum  
uslivinghistory.museum  
utah.museum  
uvic.museum  
valley.museum  
vantaa.museum  
versailles.museum  
viking.museum  
village.museum  
virginia.museum  
virtual.museum  
virtuel.museum  
vlaanderen.museum  
volkenkunde.museum  
wales.museum  
wallonie.museum  
war.museum  
washingtondc.museum  
watchandclock.museum  
watch-and-clock.museum  
western.museum  
westfalen.museum  
whaling.museum  
wildlife.museum  
williamsburg.museum  
windmill.museum  
workshop.museum  
york.museum  
yorkshire.museum  
yosemite.museum  
youth.museum  
zoological.museum



```
zoology.museum
.museum
.museum

//
mv : https://en.wikipedia.org/wiki/.mv
// "mv" included because, contra Wikipedia, google.mv exists.
mv
aero.mv
biz.mv
com.mv
coop.mv
edu.mv
gov.mv
info.mv
int.mv
mil.mv
museum.mv
name.mv
net.mv
org.mv
pro.mv

// mw : http://www.registrar.mw/
mw
ac.mw
biz.mw
co.mw
com.mw
coop.mw
edu.mw
gov.mw
int.mw
museum.mw
net.mw
org.mw

// mx : http://www.nic.mx/
// Submitted by registry <farias@nic.mx>
mx
com.mx
org.mx
gob.mx
edu.mx
net.mx

// my : http://www.mynic.net.my/
my
```

com.my  
net.my  
org.my  
gov.my  
edu.my  
mil.my  
name.my

// mz : <http://www.uem.mz/>  
// Submitted by registry <antonio@uem.mz>

mz  
ac.mz  
adv.mz  
co.mz  
edu.mz  
gov.mz  
mil.mz  
net.mz  
org.mz

// na : <http://www.na-nic.com.na/>  
// <http://www.info.na/domain/>

na  
info.na  
pro.na  
name.na  
school.na  
or.na  
dr.na  
us.na  
mx.na  
ca.na  
in.na  
cc.na  
tv.na  
ws.na  
mobi.na  
co.na  
com.na  
org.na

// name : has 2nd-level tlds,  
but there's no list of them  
name

// nc : <http://www.cctld.nc/>

nc  
asso.nc

nom.nc

// ne : <https://en.wikipedia.org/wiki/.ne>  
ne

// net : <https://en.wikipedia.org/wiki/.net>  
net

// nf : <https://en.wikipedia.org/wiki/.nf>  
nf  
com.nf  
net.nf  
per.nf  
rec.nf  
web.nf  
arts.nf  
firm.nf  
info.nf  
other.nf  
store.nf

// ng : <http://www.nira.org.ng/index.php/join-us/register-ng-domain/189-nira-slds>  
ng  
com.ng  
edu.ng  
gov.ng  
i.ng  
mil.ng  
mobi.ng  
name.ng  
net.ng  
org.ng  
sch.ng

// ni : <http://www.nic.ni/>  
ni  
ac.ni  
biz.ni  
co.ni  
com.ni  
edu.ni  
gob.ni  
in.ni  
info.ni  
int.ni  
mil.ni  
net.ni  
nom.ni

org.ni  
web.ni

// nl : <https://en.wikipedia.org/wiki/.nl>  
// <https://www.sidn.nl/>  
// ccTLD for the Netherlands  
nl

// no : <https://www.norid.no/en/om-domenenavn/regelverk-for-no/>  
// Norid geographical second level domains : <https://www.norid.no/en/om-domenenavn/regelverk-for-no/vedlegg-b/>  
// Norid category second level domains : <https://www.norid.no/en/om-domenenavn/regelverk-for-no/vedlegg-c/>  
// Norid category second-level  
domains managed by parties other than Norid : [https://www.norid.no/en/om-domenenavn/regelverk-for-no/vedlegg-](https://www.norid.no/en/om-domenenavn/regelverk-for-no/vedlegg-d/)  
d/

no

// Norid category second level domains : <https://www.norid.no/en/om-domenenavn/regelverk-for-no/vedlegg-c/>  
fhs.no

vgs.no

fylkesbibl.no

folkebibl.no

museum.no

idrett.no

priv.no

// Norid category second-level domains managed by parties other than Norid : [https://www.norid.no/en/om-](https://www.norid.no/en/om-domenenavn/regelverk-for-no/vedlegg-d/)  
domenenavn/regelverk-for-no/vedlegg-d/

mil.no

stat.no

dep.no

kommune.no

herad.no

// Norid geographical second level domains : <https://www.norid.no/en/om-domenenavn/regelverk-for-no/vedlegg-b/>  
// counties

aa.no

ah.no

bu.no

fm.no

hl.no

hm.no

jan-mayen.no

mr.no

nl.no

nt.no

of.no

ol.no

oslo.no

rl.no

sf.no

st.no

svalbard.no  
tm.no  
tr.no  
va.no  
vf.no  
// primary and lower secondary schools per county  
gs.aa.no  
gs.ah.no  
gs.bu.no  
gs.fm.no  
gs.hl.no  
gs.hm.no  
gs.jan-mayen.no  
gs.mr.no  
gs.nl.no  
gs.nt.no  
gs.of.no  
gs.ol.no  
gs.oslo.no  
gs.rl.no  
gs.sf.no  
gs.st.no  
gs.svalbard.no  
gs.tm.no  
gs.tr.no  
gs.va.no  
gs.vf.no  
//  
cities  
akrehamn.no  
åkrehamn.no  
algard.no  
ålgård.no  
arna.no  
brumunddal.no  
bryne.no  
bronnoysund.no  
brønnøysund.no  
drobak.no  
drøbak.no  
egersund.no  
fetsund.no  
floro.no  
florø.no  
fredrikstad.no  
hokksund.no  
honefoss.no  
hønefoss.no

jessheim.no  
jorpeland.no  
jørpeland.no  
kirkenes.no  
kopervik.no  
krokstadelva.no  
langevag.no  
langevåg.no  
leirvik.no  
mjondalen.no  
mjøndalen.no  
mo-i-rana.no  
mosjoen.no  
mosjøen.no  
nesoddtangen.no  
orkanger.no  
osoyro.no  
osøyro.no  
raholt.no  
råholt.no  
sandnessjoen.no  
sandnessjøen.no  
skedsmokorset.no  
slattum.no  
spjelkavik.no  
stathelle.no  
stavern.no  
stjordalshalsen.no  
stjørdalshalsen.no  
tananger.no  
tranby.no  
vossevangen.no  
// communities  
afjord.no  
åfjord.no  
agdenes.no  
al.no  
ål.no  
alesund.no  
ålesund.no  
alstahaug.no  
alta.no  
áltá.no  
alaheadju.no  
álaheadju.no  
alvdal.no  
amli.no  
åmli.no

amot.no  
åmot.no  
andebu.no  
andoy.no  
andøy.no  
andasuolo.no  
ardal.no  
årdal.no  
aremark.no  
arendal.no  
ås.no  
aseral.no  
åseral.no  
asker.no  
askim.no  
askvoll.no  
askoy.no  
askøy.no  
asnes.no  
åsnes.no  
audnedaln.no  
aukra.no  
aure.no  
aurland.no  
aurskog-holand.no  
aurskog-høland.no  
austevoll.no  
austrheim.no  
averoy.no  
averøy.no  
balestrand.no  
ballangen.no  
balat.no  
bálát.no  
balsfjord.no  
bahccavuotna.no  
báhccavuotna.no  
bamble.no  
bardu.no  
beardu.no  
beiarn.no  
bajddar.no  
bájddar.no  
baidar.no  
báidár.no  
berg.no  
bergen.no  
berlevag.no

berlevåg.no  
bearalvahki.no  
bearalváhki.no  
bindal.no  
birkenes.no  
bjarkoy.no  
bjarkøy.no  
bjerkreim.no  
bjugn.no  
bodo.no  
bodø.no  
badaddja.no  
bådåddjá.no  
budejju.no  
bokn.no  
bremanger.no  
bronnøy.no  
brønnøy.no  
bygland.no  
bykle.no  
barum.no  
bærum.no  
bo.telemark.no  
bø.telemark.no  
bo.nordland.no  
bø.nordland.no  
bievat.no  
bievát.no  
bomlo.no  
bømlø.no  
batsfjord.no  
båtsfjord.no  
bahcavuotna.no  
báhcavuotna.no  
dovre.no  
drammen.no  
drangedal.no  
dyroy.no  
dyrøy.no  
donna.no  
dønna.no  
eid.no  
eidfjord.no  
eidsberg.no  
eidskog.no  
eidsvoll.no  
eigersund.no  
elverum.no



enebakk.no  
engerdal.no  
etne.no  
etnedal.no  
evenes.no  
evenassi.no  
evenášši.no  
evje-og-hornnes.no  
farsund.no  
fauske.no  
fuosko.no  
fuoisku.no  
fedje.no  
fet.no  
finnoy.no  
finnøy.no  
fitjar.no  
fjaler.no  
fjell.no  
flakstad.no  
flatanger.no  
flekkefjord.no  
flesberg.no  
flora.no  
fla.no  
flå.no  
folldal.no  
forsand.no  
fosnes.no  
frei.no  
frogn.no  
froland.no  
frosta.no  
frana.no  
fræna.no  
froya.no  
frøya.no  
fusa.no  
fyresdal.no  
forde.no  
førde.no  
gamvik.no  
gangaviika.no  
gágaviika.no  
gaular.no  
gausdal.no  
gildeskal.no  
gildeskål.no

giske.no  
gjemnes.no  
gjerdrum.no  
gjerstad.no  
gjesdal.no  
gjovik.no  
gjøvik.no  
gloppen.no  
gol.no  
gran.no  
grane.no  
granvin.no  
gratangen.no  
grimstad.no  
grong.no  
kraanghke.no  
kråanghke.no  
grue.no  
gulen.no  
hadsel.no  
halden.no  
halsa.no  
hamar.no  
hamaroy.no  
habmer.no  
hábmer.no  
hapmir.no  
hápmir.no  
hammerfest.no  
hammarfeasta.no  
hámmárfeasta.no  
haram.no  
hareid.no  
harstad.no  
hasvik.no  
aknoluokta.no  
ákoluokta.no  
hattfjeldal.no  
aarborte.no  
haugesund.no  
hemne.no  
hemnes.no  
hemsedal.no  
heroy.more-og-romsdal.no  
herøy.møre-og-romsdal.no  
heroy.nordland.no  
herøy.nordland.no  
hitra.no

hjordal.no  
hjelmeland.no  
hobol.no  
hobøl.no  
hof.no  
hol.no  
hole.no  
holmestrand.no  
holtalen.no  
holtålen.no  
hornindal.no  
horten.no  
hurdal.no  
hurum.no  
hvaler.no  
hyllestad.no  
hagebostad.no  
hægebostad.no  
hoyanger.no  
høyanger.no  
hoylandet.no  
høylandet.no  
ha.no  
hå.no  
ibestad.no  
inderoy.no  
inderøy.no  
iveland.no  
jevnaker.no  
jondal.no  
jolster.no  
jølster.no  
karasjok.no  
karasjohka.no  
kárášjohka.no  
karlsoy.no  
galsa.no  
gálsá.no  
karmoy.no  
karmøy.no  
kautokeino.no  
guovdageaidnu.no  
klepp.no  
klabu.no  
klæbu.no  
kongsberg.no  
kongsvinger.no  
kragero.no

kragerø.no  
kristiansand.no  
kristiansund.no  
krodsherad.no  
krødsherad.no  
kvalsund.no  
rahkkeravju.no  
ráhkkerávju.no  
kvam.no  
kvinesdal.no  
kvinnherad.no  
kviteseid.no  
kvitsoy.no  
kvitsøy.no  
kvafjord.no  
kvæfjord.no  
giehtavuoatna.no  
kvanangen.no  
kvænangen.no  
navuotna.no  
návuotna.no  
kafjord.no  
kåfjord.no  
gaivuotna.no  
gáivuotna.no  
larvik.no  
lavangen.no  
lavagis.no  
loabat.no  
loabát.no  
lebesby.no  
davvesiida.no  
leikanger.no  
leirfjord.no  
leka.no  
leksvik.no  
lenvik.no  
leangaviika.no  
leagaviika.no  
lesja.no  
levanger.no  
lier.no  
lierne.no  
lillehammer.no  
lillesand.no  
lindesnes.no  
lindas.no  
lindås.no

lom.no  
loppa.no  
lahppi.no  
láhppi.no  
lund.no  
lunner.no  
luroy.no  
lurøy.no  
luster.no  
lyngdal.no  
lyngen.no  
ivgu.no  
lardal.no  
lerdal.no  
lærdal.no  
lodingen.no  
lødingen.no  
lorenskog.no  
lørenskog.no  
loten.no  
løten.no  
malvik.no  
masoy.no  
måsåøy.no  
muosat.no  
muosát.no  
mandal.no  
marker.no  
marnardal.no  
masfjorden.no  
meland.no  
meldal.no  
melhus.no  
meloy.no  
meløy.no  
meraker.no  
meråker.no  
moareke.no  
moåreke.no  
midsund.no  
midtre-gauldal.no  
modalen.no  
modum.no  
molde.no  
moskenes.no  
moss.no  
mosvik.no  
malselv.no

målselv.no  
malatvuopmi.no  
málatvuopmi.no  
namdalseid.no  
aejrie.no  
namsos.no  
namsskogan.no  
naamesjevuemie.no  
nååmesjevuemie.no  
laakesvuemie.no  
nannestad.no  
narvik.no  
narviika.no  
naustdal.no  
nedre-eiker.no  
nes.akershus.no  
nes.buskerud.no  
nesna.no  
nesodden.no  
nesseby.no  
unjarga.no  
unjárga.no  
nesset.no  
nissedal.no  
nittedal.no  
nord-aurdal.no  
nord-fron.no  
nord-odal.no  
norddal.no  
nordkapp.no  
davvenjarga.no  
davvenjárga.no  
nordre-land.no  
nordreisa.no  
raisa.no  
ráisa.no  
nore-og-uvdal.no  
notodden.no  
naroy.no  
nærøy.no  
notteroy.no  
nøtterøy.no  
odda.no  
oksnos.no  
øksnes.no  
oppdal.no  
oppegard.no  
oppegård.no

orkdal.no  
orland.no  
ørland.no  
orskog.no  
ørskog.no  
orsta.no  
ørsta.no  
os.hedmark.no  
os.hordaland.no  
osen.no  
osteroy.no  
osterøy.no  
ostre-toten.no  
østre-toten.no  
overhalla.no  
ovre-eiker.no  
øvre-eiker.no  
oyer.no  
øyer.no  
oygarden.no  
øygarden.no  
oystre-slidre.no  
øystre-slidre.no  
porsanger.no  
porsangu.no  
porsågu.no  
porsgrunn.no  
radoy.no  
radøy.no  
rakkestad.no  
rana.no  
ruovat.no  
randaberg.no  
rauma.no  
rendalen.no  
rennebu.no  
rennesoy.no  
rennesøy.no  
rindal.no  
ringebu.no  
ringerike.no  
ringsaker.no  
rissa.no  
risor.no  
risør.no  
roan.no  
rollag.no  
rygge.no

ralingen.no  
rælingen.no  
rodoy.no  
rødøy.no  
romskog.no  
rømskog.no  
roros.no  
røros.no  
rost.no  
røst.no  
royken.no  
røyken.no  
royrvik.no  
røyrvik.no  
rade.no  
råde.no  
salangen.no  
siellak.no  
saltdal.no  
salat.no  
sálát.no  
sálat.no  
samnanger.no  
sande.more-og-romsdal.no  
sande.møre-og-romsdal.no  
sande.vestfold.no  
sandefjord.no  
sandnes.no  
sandoy.no  
sandøy.no  
sarpsborg.no  
sauda.no  
sauherad.no  
sel.no  
selbu.no  
selje.no  
seljord.no  
sigdal.no  
siljan.no  
sirdal.no  
skaun.no  
skedsmo.no  
ski.no  
skien.no  
skiptvet.no  
skjervoy.no  
skjervøy.no  
skierva.no



skiervá.no  
skjak.no  
skjåk.no  
skodje.no  
skanland.no  
skånland.no  
skanit.no  
skánit.no  
smola.no  
smøla.no  
snillfjord.no  
snasa.no  
snåsa.no  
snoasa.no  
snaase.no  
snåase.no  
sogndal.no  
sokndal.no  
sola.no  
solund.no  
songdalen.no  
sortland.no  
spydeberg.no  
stange.no  
stavanger.no  
steigen.no  
steinkjer.no  
stjordal.no  
stjørdal.no  
stokke.no  
stor-elvdal.no  
stord.no  
stordal.no  
storfjord.no  
omasvuotna.no  
strand.no  
stranda.no  
stryn.no  
sula.no  
suldal.no  
sund.no  
sunddal.no  
surnadal.no  
sveio.no  
svelvik.no  
sykkylven.no  
sogne.no  
søgne.no

somna.no  
sømna.no  
sondre-land.no  
søndre-land.no  
sor-aurdal.no  
sør-aurdal.no  
sor-fron.no  
sør-fron.no  
sor-odal.no  
sør-odal.no  
sor-varanger.no  
sør-varanger.no  
matta-varjjat.no  
mátta-várjjat.no  
sorfold.no  
sørfold.no  
sorreisa.no  
sørreisa.no  
sorum.no  
sørum.no  
tana.no  
deatnu.no  
time.no  
tingvoll.no  
tinn.no  
tjeldsund.no  
dieiddanuorri.no  
tjome.no  
tjøme.no  
tokke.no  
tolga.no  
torsken.no  
tranoy.no  
tranøy.no  
tromso.no  
tromsø.no  
tromsa.no  
romsa.no  
trondheim.no  
troandin.no  
trysil.no  
trana.no  
træna.no  
trogstad.no  
trøgstad.no  
tvedestrand.no  
tydal.no  
tynset.no

tysfjord.no  
divtasvuodna.no  
divttasvuotna.no  
tysnes.no  
tysvar.no  
tysvær.no  
tonsberg.no  
tønsberg.no  
ullensaker.no  
ullensvang.no  
ulvik.no  
utsira.no  
vadsø.no  
vadsø.no  
cahcesuolo.no  
áhcesuolo.no  
vaksdal.no  
valle.no  
vang.no  
vanylven.no  
vardo.no  
vardø.no  
varggat.no  
várggát.no  
vefsn.no  
vaapste.no  
vega.no  
vegarshei.no  
vegårshei.no  
vennesla.no  
verdal.no  
verran.no  
vestby.no  
vestnes.no  
vestre-slidre.no  
vestre-toten.no  
vestvagoy.no  
vestvågøy.no  
vevelstad.no  
vik.no  
vikna.no  
vindafjord.no  
volda.no  
voss.no  
varoy.no  
værøy.no  
vagan.no  
vågan.no

voagat.no  
vagsøy.no  
vågsøy.no  
vaga.no  
vågå.no  
valer.ostfold.no  
våler.østfold.no  
valer.hedmark.no  
våler.hedmark.no

//

np : <http://www.mos.com.np/register.html>  
\*.np

// nr : <http://cenpac.net.nr/dns/index.html>

//

Submitted by registry <technician@cenpac.net.nr>

nr

biz.nr

info.nr

gov.nr

edu.nr

org.nr

net.nr

com.nr

// nu : <https://en.wikipedia.org/wiki/.nu>

nu

// nz : <https://en.wikipedia.org/wiki/.nz>

// Submitted by registry <jay@nzrs.net.nz>

nz

ac.nz

co.nz

cri.nz

geek.nz

gen.nz

govt.nz

health.nz

iwi.nz

kiwi.nz

maori.nz

mil.nz

mori.nz

net.nz

org.nz

parliament.nz

school.nz

// om : <https://en.wikipedia.org/wiki/.om>

om

co.om

com.om

edu.om

gov.om

med.om

museum.om

net.om

org.om

pro.om

// onion : <https://tools.ietf.org/html/rfc7686>

onion

// org : <https://en.wikipedia.org/wiki/.org>

org

// pa : <http://www.nic.pa/>

// Some additional second level "domains" resolve directly as hostnames, such as

// pannet.pa, so we add a rule for "pa".

pa

ac.pa

gob.pa

com.pa

org.pa

sld.pa

edu.pa

net.pa

ing.pa

abo.pa

med.pa

nom.pa

// pe : <https://www.nic.pe/InformeFinalComision.pdf>

pe

edu.pe

gob.pe

nom.pe

mil.pe

org.pe

com.pe

net.pe

// pf : <http://www.gobin.info/domainname/formulaire-pf.pdf>

pf

com.pf

org.pf  
edu.pf

//

pg : <https://en.wikipedia.org/wiki/.pg>  
\*.pg

// ph : <http://www.domains.ph/FAQ2.asp>  
// Submitted by registry <jed@email.com.ph>

ph  
com.ph  
net.ph  
org.ph  
gov.ph  
edu.ph  
ngo.ph  
mil.ph  
i.ph

// pk : <http://pk5.pknic.net.pk/pk5/msgNamepk.PK>

pk  
com.pk  
net.pk  
edu.pk  
org.pk  
fam.pk  
biz.pk  
web.pk  
gov.pk  
gob.pk  
gok.pk  
gon.pk  
gop.pk  
gos.pk  
info.pk

// pl <http://www.dns.pl/english/index.html>

// Submitted by registry

pl  
com.pl  
net.pl  
org.pl  
// pl functional domains (<http://www.dns.pl/english/index.html>)  
aid.pl  
agro.pl  
atm.pl  
auto.pl  
biz.pl

edu.pl  
gmina.pl  
gsm.pl  
info.pl  
mail.pl  
miasta.pl  
media.pl  
mil.pl  
nieruchomosci.pl  
nom.pl  
pc.pl  
powiat.pl  
priv.pl  
realestate.pl  
rel.pl  
sex.pl  
shop.pl  
sklep.pl  
sos.pl  
szkola.pl  
targi.pl  
tm.pl  
tourism.pl  
travel.pl  
turystyka.pl  
// Government domains  
gov.pl  
ap.gov.pl  
ic.gov.pl  
is.gov.pl  
us.gov.pl  
kmpsp.gov.pl  
kppsp.gov.pl  
kwpsp.gov.pl  
psp.gov.pl  
wskr.gov.pl  
kwp.gov.pl  
mw.gov.pl  
ug.gov.pl  
um.gov.pl  
umig.gov.pl  
ugim.gov.pl  
upow.gov.pl  
uw.gov.pl  
starostwo.gov.pl  
pa.gov.pl  
po.gov.pl  
psse.gov.pl

pup.gov.pl  
rzgw.gov.pl  
sa.gov.pl  
so.gov.pl  
sr.gov.pl  
wsa.gov.pl  
sko.gov.pl  
uzs.gov.pl  
wiih.gov.pl  
winb.gov.pl  
pinb.gov.pl  
wios.gov.pl  
witd.gov.pl  
wzmiuw.gov.pl  
piw.gov.pl  
wiw.gov.pl  
griw.gov.pl  
wif.gov.pl  
oum.gov.pl  
sdn.gov.pl  
zp.gov.pl  
uppo.gov.pl  
mup.gov.pl  
wuoz.gov.pl  
konsulat.gov.pl  
oirm.gov.pl

//

pl regional domains (<http://www.dns.pl/english/index.html>)

augustow.pl  
babia-gora.pl  
bedzin.pl  
beskidy.pl  
bialowieza.pl  
bialystok.pl  
bielawa.pl  
bieszczady.pl  
boleslawiec.pl  
bydgoszcz.pl  
bytom.pl  
cieszyn.pl  
czeladz.pl  
czest.pl  
dlugoleka.pl  
elblag.pl  
elk.pl  
glogow.pl  
gniezno.pl  
gorlice.pl



grajewo.pl  
ilawa.pl  
jaworzno.pl  
jelenia-gora.pl  
jgora.pl  
kalisz.pl  
kazimierz-dolny.pl  
karpacz.pl  
kartuzy.pl  
kaszuby.pl  
katowice.pl  
kepno.pl  
ketrzyn.pl  
klodzko.pl  
kobierzyce.pl  
kolobrzeg.pl  
konin.pl  
konskowola.pl  
kutno.pl  
lapy.pl  
lebork.pl  
legnica.pl  
lezajsk.pl  
limanowa.pl  
lomza.pl  
lowicz.pl  
lubin.pl  
lukow.pl  
malbork.pl  
malopolska.pl  
mazowsze.pl  
mazury.pl  
mielec.pl  
mielno.pl  
mragowo.pl  
naklo.pl  
nowaruda.pl  
nysa.pl  
olawa.pl  
olecko.pl  
olkusz.pl  
olsztyn.pl  
opoczno.pl  
opole.pl  
ostroda.pl  
ostroleka.pl  
ostrowiec.pl  
ostrowwlkp.pl

pila.pl  
pisz.pl  
podhale.pl  
podlasie.pl  
polkowice.pl  
pomorze.pl  
pomorskie.pl  
prochowice.pl  
pruszkow.pl  
przeworsk.pl  
pulawy.pl  
radom.pl  
rawa-maz.pl  
rybnik.pl  
rzeszow.pl  
sanok.pl  
sejny.pl  
slask.pl  
slupsk.pl  
sosnowiec.pl  
stalowa-wola.pl  
skoczow.pl  
starachowice.pl  
stargard.pl  
suwalki.pl  
swidnica.pl  
swiebodzin.pl  
swinoujscie.pl  
szczecin.pl  
szczytno.pl  
tarnobrzeg.pl  
tgory.pl  
turek.pl  
tychy.pl  
ustka.pl  
walbrzych.pl  
warmia.pl  
warszawa.pl  
waw.pl  
wegrow.pl  
wielun.pl  
wlocl.pl  
wloclawek.pl  
wodzislaw.pl  
wolomin.pl  
wroclaw.pl  
zachpomor.pl  
zagan.pl

zarow.pl  
zgora.pl  
zgorzelec.pl

//

pm : <http://www.afnic.fr/medias/documents/AFNIC-naming-policy2012.pdf>  
pm

// pn : <http://www.government.pn/PnRegistry/policies.htm>

pn  
gov.pn  
co.pn  
org.pn  
edu.pn  
net.pn

// post : <https://en.wikipedia.org/wiki/.post>  
post

// pr : <http://www.nic.pr/index.asp?f=1>

pr  
com.pr  
net.pr  
org.pr  
gov.pr  
edu.pr  
isla.pr  
pro.pr  
biz.pr  
info.pr  
name.pr

//

these aren't mentioned on nic.pr, but on <https://en.wikipedia.org/wiki/.pr>  
est.pr  
prof.pr  
ac.pr

// pro : <http://registry.pro/get-pro>

pro  
aaa.pro  
aca.pro  
acct.pro  
avocat.pro  
bar.pro  
cpa.pro  
eng.pro  
jur.pro  
law.pro

med.pro  
recht.pro

// ps : <https://en.wikipedia.org/wiki/.ps>  
// <http://www.nic.ps/registration/policy.html#reg>  
ps  
edu.ps  
gov.ps  
sec.ps  
plo.ps  
com.ps  
org.ps  
net.ps

// pt : [http://online.dns.pt/dns/start\\_dns](http://online.dns.pt/dns/start_dns)  
pt  
net.pt  
gov.pt  
org.pt  
edu.pt  
int.pt  
publ.pt  
com.pt  
nome.pt

// pw : <https://en.wikipedia.org/wiki/.pw>  
pw  
co.pw  
ne.pw  
or.pw  
ed.pw  
go.pw  
belau.pw

// py : [http://www.nic.py/pautas.html#seccion\\_9](http://www.nic.py/pautas.html#seccion_9)  
// Submitted by registry  
py  
com.py  
coop.py  
edu.py  
gov.py  
mil.py  
net.py  
org.py

// qa : <http://domains.qa/en/>  
qa  
com.qa

edu.qa  
gov.qa  
mil.qa  
name.qa  
net.qa  
org.qa  
sch.qa

// re : <http://www.afnic.re/obtenir/chartes/nommage-re/annexe-descriptifs>  
re  
asso.re  
com.re  
nom.re

// ro : <http://www.rotld.ro/>  
ro  
arts.ro  
com.ro  
firm.ro  
info.ro  
nom.ro  
nt.ro  
org.ro  
rec.ro  
store.ro  
tm.ro  
www.ro

//  
rs : <https://www.rnids.rs/en/domains/national-domains>  
rs  
ac.rs  
co.rs  
edu.rs  
gov.rs  
in.rs  
org.rs

// ru : [https://cctld.ru/files/pdf/docs/en/rules\\_ru-rf.pdf](https://cctld.ru/files/pdf/docs/en/rules_ru-rf.pdf)  
// Submitted by George Georgievsky <[gug@cctld.ru](mailto:gug@cctld.ru)>  
ru

// rw : [https://www.ricta.org.rw/sites/default/files/resources/registry\\_registrar\\_contract\\_0.pdf](https://www.ricta.org.rw/sites/default/files/resources/registry_registrar_contract_0.pdf)  
rw  
ac.rw  
co.rw  
coop.rw  
gov.rw

mil.rw  
net.rw  
org.rw

// sa : <http://www.nic.net.sa/>

sa  
com.sa  
net.sa  
org.sa  
gov.sa  
med.sa  
pub.sa  
edu.sa  
sch.sa

// sb : <http://www.sbnic.net.sb/>

// Submitted by registry <lee.humphries@telekom.com.sb>

sb  
com.sb  
edu.sb  
gov.sb  
net.sb  
org.sb

// sc : <http://www.nic.sc/>

sc  
com.sc  
gov.sc  
net.sc  
org.sc  
edu.sc

// sd : [http://www.isoc.sd/sudanic.isoc.sd/billing\\_pricing.htm](http://www.isoc.sd/sudanic.isoc.sd/billing_pricing.htm)

// Submitted by registry <admin@isoc.sd>

sd  
com.sd  
net.sd  
org.sd  
edu.sd  
med.sd  
tv.sd  
gov.sd  
info.sd

// se : <https://en.wikipedia.org/wiki/.se>

// Submitted by registry <patrik.wallstrom@iis.se>

se  
a.se

ac.se  
b.se  
bd.se  
brand.se  
c.se  
d.se  
e.se  
f.se  
fh.se  
fhsk.se  
fhv.se  
g.se  
h.se  
i.se  
k.se  
komforb.se  
kommunalforbund.se  
komvux.se  
l.se  
lanbib.se  
m.se  
n.se  
naturbruksgymn.se  
o.se  
org.se  
p.se  
parti.se  
pp.se  
press.se  
r.se  
s.se  
t.se  
tm.se  
u.se  
w.se  
x.se  
y.se  
z.se

//

sg : <http://www.nic.net.sg/page/registration-policies-procedures-and-guidelines>

sg

com.sg

net.sg

org.sg

gov.sg

edu.sg

per.sg

// sh : <http://www.nic.sh/registrat.html>

sh

com.sh

net.sh

gov.sh

org.sh

mil.sh

// si : <https://en.wikipedia.org/wiki/.si>

si

// sj : No registrations at this time.

// Submitted by registry <jarle@uninett.no>

sj

// sk : <https://en.wikipedia.org/wiki/.sk>

// list of 2nd level domains ?

sk

// sl : <http://www.nic.sl>

// Submitted by registry <adam@neoip.com>

sl

com.sl

net.sl

edu.sl

gov.sl

org.sl

// sm : <https://en.wikipedia.org/wiki/.sm>

sm

// sn : <https://en.wikipedia.org/wiki/.sn>

sn

art.sn

com.sn

edu.sn

gouv.sn

org.sn

perso.sn

univ.sn

// so : <http://sonic.so/policies/>

so

com.so

edu.so

gov.so

me.so



net.so

org.so

// sr

: <https://en.wikipedia.org/wiki/.sr>

sr

// ss : <https://registry.nic.ss/>

// Submitted by registry <technical@nic.ss>

ss

biz.ss

com.ss

edu.ss

gov.ss

net.ss

org.ss

// st : <http://www.nic.st/html/policyrules/>

st

co.st

com.st

consulado.st

edu.st

embaixada.st

gov.st

mil.st

net.st

org.st

principe.st

saotome.st

store.st

// su : <https://en.wikipedia.org/wiki/.su>

su

// sv : <http://www.svnet.org.sv/niveldos.pdf>

sv

com.sv

edu.sv

gob.sv

org.sv

red.sv

// sx : <https://en.wikipedia.org/wiki/.sx>

// Submitted by registry <jcvignes@openregistry.com>

sx

gov.sx

// sy : <https://en.wikipedia.org/wiki/.sy>  
// see also: <http://www.gobin.info/domainname/sy.doc>  
sy  
edu.sy  
gov.sy  
net.sy  
mil.sy  
com.sy  
org.sy

// sz : <https://en.wikipedia.org/wiki/.sz>  
// <http://www.sispa.org.sz/>  
sz  
co.sz  
ac.sz  
org.sz

// tc : <https://en.wikipedia.org/wiki/.tc>  
tc

// td : <https://en.wikipedia.org/wiki/.td>  
td

// tel: <https://en.wikipedia.org/wiki/.tel>  
// <http://www.telnic.org/>  
tel

// tf : <https://en.wikipedia.org/wiki/.tf>  
tf

//  
tg : <https://en.wikipedia.org/wiki/.tg>  
// <http://www.nic.tg/>  
tg

// th : <https://en.wikipedia.org/wiki/.th>  
// Submitted by registry <krit@thains.co.th>  
th  
ac.th  
co.th  
go.th  
in.th  
mi.th  
net.th  
or.th

// tj : <http://www.nic.tj/policy.html>  
tj

ac.tj  
biz.tj  
co.tj  
com.tj  
edu.tj  
go.tj  
gov.tj  
int.tj  
mil.tj  
name.tj  
net.tj  
nic.tj  
org.tj  
test.tj  
web.tj

// tk : <https://en.wikipedia.org/wiki/.tk>  
tk

// tl : <https://en.wikipedia.org/wiki/.tl>  
tl  
gov.tl

// tm : <http://www.nic.tm/local.html>  
tm  
com.tm  
co.tm  
org.tm  
net.tm  
nom.tm  
gov.tm  
mil.tm  
edu.tm

// tn : <https://en.wikipedia.org/wiki/.tn>  
// <http://whois.ati.tn/>  
tn  
com.tn  
ens.tn  
fin.tn  
gov.tn  
ind.tn  
intl.tn  
nat.tn  
net.tn  
org.tn  
info.tn  
perso.tn

tourism.tn  
edunet.tn  
nrnt.tn  
rns.tn  
rnu.tn  
mincom.tn  
agrinet.tn  
defense.tn  
turen.tn

// to : <https://en.wikipedia.org/wiki/.to>  
// Submitted by registry <egulich@colo.to>

to  
com.to  
gov.to  
net.to  
org.to  
edu.to  
mil.to

// tr : <https://nic.tr/>  
// <https://nic.tr/forms/eng/policies.pdf>  
// <https://nic.tr/index.php?USRACTN=PRICELST>

tr  
av.tr  
bbs.tr  
bel.tr  
biz.tr  
com.tr  
dr.tr  
edu.tr  
gen.tr  
gov.tr  
info.tr  
mil.tr  
k12.tr  
kep.tr  
name.tr  
net.tr  
org.tr  
pol.tr  
tel.tr  
tsk.tr  
tv.tr  
web.tr

//

Used by Northern Cyprus

nc.tr

// Used by government agencies of Northern Cyprus  
gov.nc.tr

// tt : <http://www.nic.tt/>

tt  
co.tt  
com.tt  
org.tt  
net.tt  
biz.tt  
info.tt  
pro.tt  
int.tt  
coop.tt  
jobs.tt  
mobi.tt  
travel.tt  
museum.tt  
aero.tt  
name.tt  
gov.tt  
edu.tt

// tv : <https://en.wikipedia.org/wiki/.tv>

// Not listing any 2LDs as reserved since none seem to exist in practice,  
// Wikipedia notwithstanding.

tv

// tw : <https://en.wikipedia.org/wiki/.tw>

tw  
edu.tw  
gov.tw  
mil.tw  
com.tw  
net.tw  
org.tw  
idv.tw  
game.tw  
ebiz.tw  
club.tw  
.tw  
.tw  
.tw

// tz : <http://www.tznic.or.tz/index.php/domains>

// Submitted by registry <[manager@tznic.or.tz](mailto:manager@tznic.or.tz)>

tz  
ac.tz

co.tz  
go.tz  
hotel.tz  
info.tz  
me.tz  
mil.tz  
mobi.tz  
ne.tz  
or.tz  
sc.tz  
tv.tz

// ua : <https://hostmaster.ua/policy/?ua>  
// Submitted by registry <dk@cctld.ua>

ua

// ua 2LD

com.ua

edu.ua

gov.ua

in.ua

net.ua

org.ua

//

ua geographic names

// <https://hostmaster.ua/2ld/>

cherkassy.ua

cherkasy.ua

chernigov.ua

chernihiv.ua

chernivtsi.ua

chernovtsy.ua

ck.ua

cn.ua

cr.ua

crimea.ua

cv.ua

dn.ua

dnepropetrovsk.ua

dniropetrovsk.ua

donetsk.ua

dp.ua

if.ua

ivano-frankivsk.ua

kh.ua

kharkiv.ua

kharkov.ua

kherson.ua

khmelnytskyi.ua

khmelnyskyi.ua  
kiev.ua  
kirovograd.ua  
km.ua  
kr.ua  
krym.ua  
ks.ua  
kv.ua  
kyiv.ua  
lg.ua  
lt.ua  
lugansk.ua  
lutsk.ua  
lv.ua  
lviv.ua  
mk.ua  
mykolaiv.ua  
nikolaev.ua  
od.ua  
odesa.ua  
odessa.ua  
pl.ua  
poltava.ua  
rivne.ua  
rovno.ua  
rv.ua  
sb.ua  
sebastopol.ua  
sevastopol.ua  
sm.ua  
sumy.ua  
te.ua  
ternopil.ua  
uz.ua  
uzhgorod.ua  
vinnica.ua  
vinnytsia.ua  
vn.ua  
volyn.ua  
yalta.ua  
zaporizhzhie.ua  
zaporizhzhia.ua  
zhitomir.ua  
zhytomyr.ua  
zp.ua  
zt.ua

// ug : <https://www.registry.co.ug/>

ug  
co.ug  
or.ug  
ac.ug  
sc.ug  
go.ug  
ne.ug  
com.ug  
org.ug

// uk : <https://en.wikipedia.org/wiki/.uk>  
// Submitted by registry <Michael.Daly@nominet.org.uk>

uk  
ac.uk  
co.uk  
gov.uk  
ltd.uk  
me.uk  
net.uk  
nhs.uk  
org.uk  
plc.uk  
police.uk  
\*.sch.uk

//  
us : <https://en.wikipedia.org/wiki/.us>

us  
dni.us  
fed.us  
isa.us  
kids.us  
nsn.us  
// us geographic names  
ak.us  
al.us  
ar.us  
as.us  
az.us  
ca.us  
co.us  
ct.us  
dc.us  
de.us  
fl.us  
ga.us  
gu.us  
hi.us



ia.us  
id.us  
il.us  
in.us  
ks.us  
ky.us  
la.us  
ma.us  
md.us  
me.us  
mi.us  
mn.us  
mo.us  
ms.us  
mt.us  
nc.us  
nd.us  
ne.us  
nh.us  
nj.us  
nm.us  
nv.us  
ny.us  
oh.us  
ok.us  
or.us  
pa.us  
pr.us  
ri.us  
sc.us  
sd.us  
tn.us  
tx.us  
ut.us  
vi.us  
vt.us  
va.us  
wa.us  
wi.us  
wv.us  
wy.us

// The registrar notes several more specific domains available in each state,  
// such as state.\*.us, dst.\*.us, etc., but resolution of these is somewhat  
// haphazard; in some states these domains resolve as addresses, while in others  
// only subdomains are available, or even nothing at all. We include the  
// most common ones where it's clear that different sites are different  
// entities.

k12.ak.us

k12.al.us  
k12.ar.us  
k12.as.us  
k12.az.us  
k12.ca.us  
k12.co.us  
k12.ct.us  
k12.dc.us  
k12.de.us  
k12.fl.us  
k12.ga.us  
k12.gu.us  
// k12.hi.us Bug 614565  
- Hawaii has a state-wide DOE login  
k12.ia.us  
k12.id.us  
k12.il.us  
k12.in.us  
k12.ks.us  
k12.ky.us  
k12.la.us  
k12.ma.us  
k12.md.us  
k12.me.us  
k12.mi.us  
k12.mn.us  
k12.mo.us  
k12.ms.us  
k12.mt.us  
k12.nc.us  
// k12.nd.us Bug 1028347 - Removed at request of Travis Rosso <trossow@nd.gov>  
k12.ne.us  
k12.nh.us  
k12.nj.us  
k12.nm.us  
k12.nv.us  
k12.ny.us  
k12.oh.us  
k12.ok.us  
k12.or.us  
k12.pa.us  
k12.pr.us  
// k12.ri.us Removed at request of Kim Cournoyer <netsupport@staff.ri.net>  
k12.sc.us  
// k12.sd.us Bug 934131 - Removed at request of James Booze <James.Booze@k12.sd.us>  
k12.tn.us  
k12.tx.us  
k12.ut.us

k12.vi.us  
k12.vt.us  
k12.va.us  
k12.wa.us  
k12.wi.us  
// k12.wv.us Bug 947705 - Removed at request of Verne Britton <verne@wvnet.edu>  
k12.wy.us  
cc.ak.us  
cc.al.us  
cc.ar.us  
cc.as.us  
cc.az.us  
cc.ca.us  
cc.co.us  
cc.ct.us  
cc.dc.us  
cc.de.us  
cc.fl.us  
cc.ga.us  
cc.gu.us  
cc.hi.us  
cc.ia.us  
cc.id.us  
cc.il.us  
cc.in.us  
cc.ks.us  
cc.ky.us  
cc.la.us  
cc.ma.us  
cc.md.us  
cc.me.us  
cc.mi.us  
cc.mn.us  
cc.mo.us  
cc.ms.us  
cc.mt.us  
cc.nc.us  
cc.nd.us  
cc.ne.us  
cc.nh.us  
cc.nj.us  
cc.nm.us  
cc.nv.us  
cc.ny.us  
cc.oh.us  
cc.ok.us  
cc.or.us  
cc.pa.us

cc.pr.us  
cc.ri.us  
cc.sc.us  
cc.sd.us  
cc.tn.us  
cc.tx.us  
cc.ut.us  
cc.vi.us  
cc.vt.us  
cc.va.us  
cc.wa.us  
cc.wi.us  
cc.wv.us  
cc.wy.us  
lib.ak.us  
lib.al.us  
lib.ar.us  
lib.as.us  
lib.az.us  
lib.ca.us  
lib.co.us  
lib.ct.us  
lib.dc.us

//

lib.de.us Issue #243 - Moved to Private section at request of Ed Moore <Ed.Moore@lib.de.us>

lib.fl.us  
lib.ga.us  
lib.gu.us  
lib.hi.us  
lib.ia.us  
lib.id.us  
lib.il.us  
lib.in.us  
lib.ks.us  
lib.ky.us  
lib.la.us  
lib.ma.us  
lib.md.us  
lib.me.us  
lib.mi.us  
lib.mn.us  
lib.mo.us  
lib.ms.us  
lib.mt.us  
lib.nc.us  
lib.nd.us  
lib.ne.us  
lib.nh.us

lib.nj.us  
lib.nm.us  
lib.nv.us  
lib.ny.us  
lib.oh.us  
lib.ok.us  
lib.or.us  
lib.pa.us  
lib.pr.us  
lib.ri.us  
lib.sc.us  
lib.sd.us  
lib.tn.us  
lib.tx.us  
lib.ut.us  
lib.vi.us  
lib.vt.us  
lib.va.us  
lib.wa.us  
lib.wi.us  
// lib.wv.us Bug 941670 - Removed at request of Larry W Arnold <arnold@wvlc.lib.wv.us>  
lib.wy.us  
// k12.ma.us contains school districts in Massachusetts. The 4LDs  
are  
// managed independently except for private (PVT), charter (CHTR) and  
// parochial (PAROCH) schools. Those are delegated directly to the  
// 5LD operators. <k12-ma-hostmaster \_ at \_ rsuc.gweep.net>  
pvt.k12.ma.us  
chtr.k12.ma.us  
paroch.k12.ma.us  
// Merit Network, Inc. maintains the registry for =~/(k12|cc|lib).mi.us/ and the following  
// see also: <http://domreg.merit.edu>  
// see also: `whois -h whois.domreg.merit.edu help`  
ann-arbor.mi.us  
cog.mi.us  
dst.mi.us  
eaton.mi.us  
gen.mi.us  
mus.mi.us  
tec.mi.us  
washtenaw.mi.us  
  
// uy : <http://www.nic.org.uy/>  
uy  
com.uy  
edu.uy  
gub.uy  
mil.uy

net.uy  
org.uy

// uz : <http://www.reg.uz/>

uz  
co.uz  
com.uz  
net.uz  
org.uz

// va : <https://en.wikipedia.org/wiki/.va>

va

// vc : <https://en.wikipedia.org/wiki/.vc>

// Submitted by registry <kshah@ca.afiliat.info>

vc  
com.vc  
net.vc  
org.vc  
gov.vc  
mil.vc  
edu.vc

// ve : <https://registro.nic.ve/>

// Submitted by registry

ve  
arts.ve  
co.ve  
com.ve  
e12.ve  
edu.ve  
firm.ve  
gob.ve  
gov.ve  
info.ve  
int.ve  
mil.ve  
net.ve  
org.ve  
rec.ve  
store.ve  
tec.ve  
web.ve

//

vg : <https://en.wikipedia.org/wiki/.vg>

vg

```
// vi : http://www.nic.vi/newdomainform.htm  
// http://www.nic.vi/Domain\_Rules/body\_domain\_rules.html indicates some other  
// TLDs are "reserved", such as edu.vi and gov.vi, but doesn't actually say they  
// are available for registration (which they do not seem to be).
```

```
vi  
co.vi  
com.vi  
k12.vi  
net.vi  
org.vi
```

```
// vn : https://www.dot.vn/vnnic/vnnic/domainregistration.jsp
```

```
vn  
com.vn  
net.vn  
org.vn  
edu.vn  
gov.vn  
int.vn  
ac.vn  
biz.vn  
info.vn  
name.vn  
pro.vn  
health.vn
```

```
// vu : https://en.wikipedia.org/wiki/.vu
```

```
// http://www.vunic.vu/
```

```
vu  
com.vu  
edu.vu  
net.vu  
org.vu
```

```
// wf : http://www.afnic.fr/medias/documents/AFNIC-naming-policy2012.pdf
```

```
wf
```

```
// ws : https://en.wikipedia.org/wiki/.ws
```

```
// http://samoanic.ws/index.dhtml
```

```
ws  
com.ws  
net.ws  
org.ws  
gov.ws  
edu.ws
```

```
// yt : http://www.afnic.fr/medias/documents/AFNIC-naming-policy2012.pdf
```

```
yt
```

```
// IDN ccTLDs
// When submitting patches, please maintain a sort by ISO 3166 ccTLD, then
//
// U-label, and follow this format:
// // A-Label ("<Latin renderings>", <language name>[, variant info]) : <ISO 3166 ccTLD>
// // [sponsoring org]
// U-Label

// xn--mgbam7a8h ("Emerat", Arabic) : AE
// http://nic.ae/english/arabicdomain/rules.jsp

// xn--y9a3aq ("hye", Armenian) : AM
// ISOC AM (operated by .am Registry)

// xn--54b7fta0cc ("Bangla", Bangla) : BD

// xn--90ae ("bg", Bulgarian) : BG

// xn--90ais ("bel", Belarusian/Russian Cyrillic) : BY
// Operated by .by registry

// xn--fiqs8s ("Zhongguo/China", Chinese, Simplified) : CN
// CNNIC
// http://cnnic.cn/html/Dir/2005/10/11/3218.htm

// xn--fiqz9s ("Zhongguo/China", Chinese, Traditional) : CN
// CNNIC
// http://cnnic.cn/html/Dir/2005/10/11/3218.htm

// xn--lgbbat1ad8j ("Algeria/Al Jazair", Arabic) : DZ

// xn--wgbh1c ("Egypt/Masr", Arabic) : EG
// http://www.dotmasr.eg/

// xn--e1a4c ("eu", Cyrillic) : EU
// https://eurid.eu
```



// xn--qxa6a ("eu", Greek) : EU

// <https://eurid.eu>

//

xn--mgbah1a3hjkrd ("Mauritania", Arabic) : MR

// xn--node ("ge", Georgian Mkhedruli) : GE

// xn--qxam ("el", Greek) : GR

// Hellenic Ministry of Infrastructure, Transport, and Networks

// xn--j6w193g ("Hong Kong", Chinese) : HK

// <https://www.hkirc.hk>

// Submitted by registry <hk.tech@hkirc.hk>

// <https://www.hkirc.hk/content.jsp?id=30#!/34>

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// xn--2scrj9c ("Bharat", Kannada) : IN

// India

// xn--3hcrj9c ("Bharat", Oriya) : IN

// India

// xn--45br5cyl ("Bharatam", Assamese) : IN

// India

// xn--h2breg3eve ("Bharatam", Sanskrit) : IN

// India

// xn--h2brj9c8c ("Bharot", Santali) : IN

// India

// xn--mgbgu82a ("Bharat", Sindhi) : IN

// India

// xn--rvc1e0am3e ("Bharatam", Malayalam) : IN  
// India

// xn--h2brj9c ("Bharat", Devanagari) : IN  
// India

// xn--mgbbh1a ("Bharat", Kashmiri) : IN  
// India

// xn--mgbbh1a71e ("Bharat", Arabic) : IN  
// India

// xn--fpcrj9c3d  
("Bharat", Telugu) : IN  
// India

// xn--gecrj9c ("Bharat", Gujarati) : IN  
// India

// xn--s9brj9c ("Bharat", Gurmukhi) : IN  
// India

// xn--45brj9c ("Bharat", Bengali) : IN  
// India

// xn--xkc2dl3a5ee0h ("India", Tamil) : IN  
// India

// xn--mgb3a4f16a ("Iran", Persian) : IR

// xn--mgb3a4fra ("Iran", Arabic) : IR

// xn--mgbtx2b ("Iraq", Arabic) : IQ  
// Communications and Media Commission

// xn--mgbayh7gpa ("al-Ordon", Arabic) : JO  
// National Information Technology Center (NITC)  
// Royal Scientific Society, Al-Jubeiha

// xn--3e0b707e ("Republic of Korea", Hangul) : KR

// xn--80ao21a ("Kaz", Kazakh) : KZ

// xn--fzc2c9e2c ("Lanka", Sinhalese-Sinhala) : LK  
// https://nic.lk

// xn--xkc2al3hye2a ("Ilangai", Tamil) : LK  
// https://nic.lk

// xn--mgbc0a9azcg ("Morocco/al-Maghrib", Arabic) : MA

// xn--d1alf ("mkd", Macedonian) : MK  
// MARnet

// xn--l1acc ("mon", Mongolian) : MN

// xn--mix891f  
("Macao", Chinese, Traditional) : MO  
// MONIC / HNET Asia (Registry Operator for .mo)

// xn--mix082f ("Macao", Chinese, Simplified) : MO

// xn--mgbx4cd0ab ("Malaysia", Malay) : MY

// xn--mgb9awbf ("Oman", Arabic) : OM

// xn--mgbai9azgqp6j ("Pakistan", Urdu/Arabic) : PK

// xn--mgbai9a5eva00b ("Pakistan", Urdu/Arabic, variant) : PK

// xn--ygbi2ammx ("Falasteen", Arabic) : PS  
// The Palestinian National Internet Naming Authority (PNINA)  
// <http://www.pnina.ps>

// xn--90a3ac ("srb", Cyrillic) : RS  
// <https://www.rnids.rs/en/domains/national-domains>

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// xn--p1ai ("rf", Russian-Cyrillic) : RU  
// [https://cctld.ru/files/pdf/docs/en/rules\\_ru-rf.pdf](https://cctld.ru/files/pdf/docs/en/rules_ru-rf.pdf)  
// Submitted by George Georgievsky <[gug@cctld.ru](mailto:gug@cctld.ru)>

// xn--wgb16a ("Qatar", Arabic) : QA  
// <http://www.ict.gov.qa/>

// xn--mgberp4a5d4ar ("AlSaudiah", Arabic) : SA  
// <http://www.nic.net.sa/>

// xn--mgberp4a5d4a87g ("AlSaudiah", Arabic,  
variant) : SA

// xn--mgbqly7c0a67fbc ("AlSaudiah", Arabic, variant) : SA

// xn--mgbqly7cvafr ("AlSaudiah", Arabic, variant) : SA

// xn--mgbp12fh ("sudan", Arabic) : SD  
// Operated by .sd registry

// xn--yfro4i67o Singapore ("Singapore", Chinese) : SG

```
// xn--clchc0ea0b2g2a9gcd ("Singapore", Tamil) : SG

// xn--ogbpf8fl ("Syria", Arabic) : SY

// xn--mgbtf8fl ("Syria", Arabic, variant) : SY

// xn--o3cw4h ("Thai", Thai) : TH
// http://www.thnic.co.th

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.
.
.
.

// xn--pgbs0dh ("Tunisia", Arabic) : TN
// http://nic.tn

// xn--kpry57d ("Taiwan", Chinese, Traditional) : TW
// http://www.twonic.net/english/dn/dn_07a.htm

// xn--kprw13d ("Taiwan", Chinese, Simplified) : TW
// http://www.twonic.net/english/dn/dn_07a.htm

// xn--nnx388a ("Taiwan", Chinese, variant) : TW

// xn--j1amh ("ukr", Cyrillic) : UA

// xn--mgb2ddes ("AlYemen", Arabic) : YE

//
xxx : http://icmregistry.com
xxx

// ye : http://www.y.net.ye/services/domain_name.htm
*.ye

// za : https://www.zadna.org.za/content/page/domain-information/
```

ac.za  
agric.za  
alt.za  
co.za  
edu.za  
gov.za  
grondar.za  
law.za  
mil.za  
net.za  
ngo.za  
nic.za  
nis.za  
nom.za  
org.za  
school.za  
tm.za  
web.za

// zm : <https://zicta.zm/>  
// Submitted by registry <info@zicta.zm>

zm  
ac.zm  
biz.zm  
co.zm  
com.zm  
edu.zm  
gov.zm  
info.zm  
mil.zm  
net.zm  
org.zm  
sch.zm

// zw : <https://www.potraz.gov.zw/>  
// Confirmed by registry <bmtengwa@potraz.gov.zw> 2017-01-25

zw  
ac.zw  
co.zw  
gov.zw  
mil.zw  
org.zw

// newGTLDs

// List of new gTLDs imported from <https://www.icann.org/resources/registries/gtlds/v2/gtlds.json> on 2020-10-28T17:55:28Z

// This list is auto-generated, don't edit it manually.  
// aaa : 2015-02-26 American Automobile Association, Inc.  
aaa

// aarp : 2015-05-21 AARP  
aarp

// abarth : 2015-07-30 Fiat Chrysler Automobiles N.V.  
abarth

// abb : 2014-10-24 ABB Ltd  
abb

// abbott : 2014-07-24 Abbott Laboratories,  
Inc.  
abbott

// abbvie : 2015-07-30 AbbVie Inc.  
abbvie

// abc : 2015-07-30 Disney Enterprises, Inc.  
abc

// able : 2015-06-25 Able Inc.  
able

// abogado : 2014-04-24 Minds + Machines Group Limited  
abogado

// abudhabi : 2015-07-30 Abu Dhabi Systems and Information Centre  
abudhabi

// academy : 2013-11-07 Binky Moon, LLC  
academy

// accenture : 2014-08-15 Accenture plc  
accenture

// accountant : 2014-11-20 dot Accountant Limited  
accountant

// accountants : 2014-03-20 Binky Moon, LLC  
accountants

// aco : 2015-01-08 ACO Severin Ahlmann GmbH & Co. KG  
aco

// actor : 2013-12-12 Dog Beach, LLC

actor

// adac : 2015-07-16 Allgemeiner Deutscher Automobil-Club e.V. (ADAC)  
adac

// ads : 2014-12-04 Charleston Road Registry Inc.  
ads

// adult : 2014-10-16 ICM Registry AD LLC  
adult

// aeg : 2015-03-19 Aktiebolaget Electrolux  
aeg

// aetna : 2015-05-21 Aetna Life Insurance Company  
aetna

// afamilycompany : 2015-07-23 Johnson Shareholdings, Inc.  
afamilycompany

// afl : 2014-10-02 Australian  
Football League  
afl

// africa : 2014-03-24 ZA Central Registry NPC trading as Registry.Africa  
africa

// agakhan : 2015-04-23 Fondation Aga Khan (Aga Khan Foundation)  
agakhan

// agency : 2013-11-14 Binky Moon, LLC  
agency

// aig : 2014-12-18 American International Group, Inc.  
aig

// airbus : 2015-07-30 Airbus S.A.S.  
airbus

// airforce : 2014-03-06 Dog Beach, LLC  
airforce

// airtel : 2014-10-24 Bharti Airtel Limited  
airtel

// akdn : 2015-04-23 Fondation Aga Khan (Aga Khan Foundation)  
akdn



// alfaromeo : 2015-07-31 Fiat Chrysler Automobiles N.V.

alfaromeo

// alibaba : 2015-01-15 Alibaba Group Holding Limited

alibaba

// alipay : 2015-01-15 Alibaba Group Holding Limited

alipay

// allfinanz : 2014-07-03 Allfinanz Deutsche Vermögensberatung Aktiengesellschaft

allfinanz

// allstate : 2015-07-31 Allstate Fire and Casualty Insurance Company

allstate

// ally : 2015-06-18 Ally Financial Inc.

ally

// alsace : 2014-07-02 Region Grand Est

alsace

// alstom : 2015-07-30 ALSTOM

alstom

//

amazon : 2019-12-19 Amazon Registry Services, Inc.

amazon

// americanexpress : 2015-07-31 American Express Travel Related Services Company, Inc.

americanexpress

// americanfamily : 2015-07-23 AmFam, Inc.

americanfamily

// amex : 2015-07-31 American Express Travel Related Services Company, Inc.

amex

// amfam : 2015-07-23 AmFam, Inc.

amfam

// amica : 2015-05-28 Amica Mutual Insurance Company

amica

// amsterdam : 2014-07-24 Gemeente Amsterdam

amsterdam

// analytics : 2014-12-18 Campus IP LLC

analytics

// android : 2014-08-07 Charleston Road Registry Inc.  
android

// anquan : 2015-01-08 Beijing Qihu Keji Co., Ltd.  
anquan

// anz : 2015-07-31 Australia and New Zealand Banking Group Limited  
anz

// aol : 2015-09-17 Oath Inc.  
aol

// apartments : 2014-12-11 Binky Moon, LLC  
apartments

// app : 2015-05-14 Charleston Road Registry Inc.  
app

// apple : 2015-05-14 Apple Inc.  
apple

// aquarelle : 2014-07-24 Aquarelle.com  
aquarelle

// arab : 2015-11-12 League of Arab States  
arab

// aramco  
: 2014-11-20 Aramco Services Company  
aramco

// archi : 2014-02-06 Afilias Limited  
archi

// army : 2014-03-06 Dog Beach, LLC  
army

// art : 2016-03-24 UK Creative Ideas Limited  
art

// arte : 2014-12-11 Association Relative à la Télévision Européenne G.E.I.E.  
arte

// asda : 2015-07-31 Wal-Mart Stores, Inc.  
asda

// associates : 2014-03-06 Binky Moon, LLC

associates

// athleta : 2015-07-30 The Gap, Inc.  
athleta

// attorney : 2014-03-20 Dog Beach, LLC  
attorney

// auction : 2014-03-20 Dog Beach, LLC  
auction

// audi : 2015-05-21 AUDI Aktiengesellschaft  
audi

// audible : 2015-06-25 Amazon Registry Services, Inc.  
audible

// audio : 2014-03-20 UNR Corp.  
audio

// auspost : 2015-08-13 Australian Postal Corporation  
auspost

// author : 2014-12-18 Amazon Registry Services, Inc.  
author

// auto : 2014-11-13 XYZ.COM LLC  
auto

// autos : 2014-01-09 XYZ.COM LLC  
autos

// avianca : 2015-01-08 Avianca Holdings S.A.  
avianca

// aws : 2015-06-25 Amazon Registry Services, Inc.  
aws

// axa : 2013-12-19  
AXA SA  
axa

// azure : 2014-12-18 Microsoft Corporation  
azure

// baby : 2015-04-09 XYZ.COM LLC  
baby

// baidu : 2015-01-08 Baidu, Inc.  
baidu

// banamex : 2015-07-30 Citigroup Inc.  
banamex

// bananarepublic : 2015-07-31 The Gap, Inc.  
bananarepublic

// band : 2014-06-12 Dog Beach, LLC  
band

// bank : 2014-09-25 fTLD Registry Services LLC  
bank

// bar : 2013-12-12 Punto 2012 Sociedad Anonima Promotora de Inversion de Capital Variable  
bar

// barcelona : 2014-07-24 Municipi de Barcelona  
barcelona

// Barclaycard : 2014-11-20 Barclays Bank PLC  
barclaycard

// barclays : 2014-11-20 Barclays Bank PLC  
barclays

// barefoot : 2015-06-11 Gallo Vineyards, Inc.  
barefoot

// bargains : 2013-11-14 Binky Moon, LLC  
bargains

// baseball : 2015-10-29 MLB Advanced Media DH, LLC  
baseball

// basketball : 2015-08-20 Fédération Internationale de Basketball (FIBA)  
basketball

// bauhaus : 2014-04-17 Werkhaus GmbH  
bauhaus

// bayern : 2014-01-23 Bayern Connect GmbH  
bayern

// bbc : 2014-12-18 British  
Broadcasting Corporation  
bbc

// bbt : 2015-07-23 BB&T Corporation  
bbt

// bbva : 2014-10-02 BANCO BILBAO VIZCAYA ARGENTARIA, S.A.  
bbva

// bcg : 2015-04-02 The Boston Consulting Group, Inc.  
bcg

// bcn : 2014-07-24 Municipi de Barcelona  
bcn

// beats : 2015-05-14 Beats Electronics, LLC  
beats

// beauty : 2015-12-03 XYZ.COM LLC  
beauty

// beer : 2014-01-09 Minds + Machines Group Limited  
beer

// bentley : 2014-12-18 Bentley Motors Limited  
bentley

// berlin : 2013-10-31 dotBERLIN GmbH & Co. KG  
berlin

// best : 2013-12-19 BestTLD Pty Ltd  
best

// bestbuy : 2015-07-31 BBY Solutions, Inc.  
bestbuy

// bet : 2015-05-07 Afiliat Limited  
bet

// bharti : 2014-01-09 Bharti Enterprises (Holding) Private Limited  
bharti

// bible : 2014-06-19 American Bible Society  
bible

// bid : 2013-12-19 dot Bid Limited  
bid

// bike : 2013-08-27 Binky Moon, LLC  
bike

// bing : 2014-12-18 Microsoft Corporation  
bing

// bingo : 2014-12-04 Binky Moon, LLC  
bingo

// bio : 2014-03-06 Afilias Limited  
bio

//  
black : 2014-01-16 Afilias Limited  
black

// blackfriday : 2014-01-16 UNR Corp.  
blackfriday

// blockbuster : 2015-07-30 Dish DBS Corporation  
blockbuster

// blog : 2015-05-14 Knock Knock WHOIS There, LLC  
blog

// bloomberg : 2014-07-17 Bloomberg IP Holdings LLC  
bloomberg

// blue : 2013-11-07 Afilias Limited  
blue

// bms : 2014-10-30 Bristol-Myers Squibb Company  
bms

// bmw : 2014-01-09 Bayerische Motoren Werke Aktiengesellschaft  
bmw

// bnpparibas : 2014-05-29 BNP Paribas  
bnpparibas

// boats : 2014-12-04 XYZ.COM LLC  
boats

// boehringer : 2015-07-09 Boehringer Ingelheim International GmbH  
boehringer

// bofa : 2015-07-31 Bank of America Corporation  
bofa

// bom : 2014-10-16 Núcleo de Informação e Coordenação do Ponto BR - NIC.br

bom

// bond : 2014-06-05 ShortDot SA

bond

// boo : 2014-01-30 Charleston Road Registry Inc.

boo

// book : 2015-08-27 Amazon Registry Services, Inc.

book

// booking : 2015-07-16 Booking.com B.V.

booking

// bosch : 2015-06-18 Robert Bosch GMBH

bosch

// bostik

: 2015-05-28 Bostik SA

bostik

// boston : 2015-12-10 Boston TLD Management, LLC

boston

// bot : 2014-12-18 Amazon Registry Services, Inc.

bot

// boutique : 2013-11-14 Binky Moon, LLC

boutique

// box : 2015-11-12 Intercap Registry Inc.

box

// bradesco : 2014-12-18 Banco Bradesco S.A.

bradesco

// bridgestone : 2014-12-18 Bridgestone Corporation

bridgestone

// broadway : 2014-12-22 Celebrate Broadway, Inc.

broadway

// broker : 2014-12-11 Dotbroker Registry Limited

broker

// brother : 2015-01-29 Brother Industries, Ltd.

brother

// brussels : 2014-02-06 DNS.be vzw  
brussels

// budapest : 2013-11-21 Minds + Machines Group Limited  
budapest

// bugatti : 2015-07-23 Bugatti International SA  
bugatti

// build : 2013-11-07 Plan Bee LLC  
build

// builders : 2013-11-07 Binky Moon, LLC  
builders

// business : 2013-11-07 Binky Moon, LLC  
business

// buy : 2014-12-18 Amazon Registry Services, Inc.  
buy

// buzz : 2013-10-02 DOTSTRATEGY CO.  
buzz

// bzh : 2014-02-27 Association www.bzh  
bzh

//  
cab : 2013-10-24 Binky Moon, LLC  
cab

// cafe : 2015-02-11 Binky Moon, LLC  
cafe

// cal : 2014-07-24 Charleston Road Registry Inc.  
cal

// call : 2014-12-18 Amazon Registry Services, Inc.  
call

// calvinklein : 2015-07-30 PVH gTLD Holdings LLC  
calvinklein

// cam : 2016-04-21 AC Webconnecting Holding B.V.  
cam

// camera : 2013-08-27 Binky Moon, LLC  
camera



// camp : 2013-11-07 Binky Moon, LLC  
camp

// cancerresearch : 2014-05-15 Australian Cancer Research Foundation  
cancerresearch

// canon : 2014-09-12 Canon Inc.  
canon

// capetown : 2014-03-24 ZA Central Registry NPC trading as ZA Central Registry  
capetown

// capital : 2014-03-06 Binky Moon, LLC  
capital

// capitalone : 2015-08-06 Capital One Financial Corporation  
capitalone

// car : 2015-01-22 XYZ.COM LLC  
car

// caravan : 2013-12-12 Caravan International, Inc.  
caravan

// cards : 2013-12-05 Binky Moon, LLC  
cards

// care : 2014-03-06 Binky Moon, LLC  
care

// career : 2013-10-09 dotCareer LLC  
career

// careers : 2013-10-02  
Binky Moon, LLC  
careers

// cars : 2014-11-13 XYZ.COM LLC  
cars

// casa : 2013-11-21 Minds + Machines Group Limited  
casa

// case : 2015-09-03 CNH Industrial N.V.  
case

// caseih : 2015-09-03 CNH Industrial N.V.

caseih

// cash : 2014-03-06 Binky Moon, LLC  
cash

// casino : 2014-12-18 Binky Moon, LLC  
casino

// catering : 2013-12-05 Binky Moon, LLC  
catering

// catholic : 2015-10-21 Pontificium Consilium de Communicationibus Socialibus (PCCS) (Pontifical Council for  
Social Communication)  
catholic

// cba : 2014-06-26 COMMONWEALTH BANK OF AUSTRALIA  
cba

// cbn : 2014-08-22 The Christian Broadcasting Network, Inc.  
cbn

// cbre : 2015-07-02 CBRE, Inc.  
cbre

// cbs : 2015-08-06 CBS Domains Inc.  
cbs

// ceb : 2015-04-09 The Corporate Executive Board Company  
ceb

// center : 2013-11-07 Binky Moon, LLC  
center

// ceo : 2013-11-07 CEOTLD Pty Ltd  
ceo

// cern : 2014-06-05 European Organization for Nuclear Research ("CERN")  
cern

// cfa : 2014-08-28 CFA Institute  
cfa

// cfd : 2014-12-11 DotCFD  
Registry Limited  
cfd

// chanel : 2015-04-09 Chanel International B.V.  
chanel

// channel : 2014-05-08 Charleston Road Registry Inc.  
channel

// charity : 2018-04-11 Binky Moon, LLC  
charity

// chase : 2015-04-30 JPMorgan Chase Bank, National Association  
chase

// chat : 2014-12-04 Binky Moon, LLC  
chat

// cheap : 2013-11-14 Binky Moon, LLC  
cheap

// chintai : 2015-06-11 CHINTAI Corporation  
chintai

// christmas : 2013-11-21 UNR Corp.  
christmas

// chrome : 2014-07-24 Charleston Road Registry Inc.  
chrome

// church : 2014-02-06 Binky Moon, LLC  
church

// cipriani : 2015-02-19 Hotel Cipriani Srl  
cipriani

// circle : 2014-12-18 Amazon Registry Services, Inc.  
circle

// cisco : 2014-12-22 Cisco Technology, Inc.  
cisco

// citadel : 2015-07-23 Citadel Domain LLC  
citadel

// citi : 2015-07-30 Citigroup Inc.  
citi

// citic : 2014-01-09 CITIC Group Corporation  
citic

// city : 2014-05-29 Binky Moon, LLC  
city

// cityeats : 2014-12-11 Lifestyle Domain Holdings, Inc.

cityeats

// claims : 2014-03-20

Binky Moon, LLC

claims

// cleaning : 2013-12-05 Binky Moon, LLC

cleaning

// click : 2014-06-05 UNR Corp.

click

// clinic : 2014-03-20 Binky Moon, LLC

clinic

// clinique : 2015-10-01 The Estée Lauder Companies Inc.

clinique

// clothing : 2013-08-27 Binky Moon, LLC

clothing

// cloud : 2015-04-16 Aruba PEC S.p.A.

cloud

// club : 2013-11-08 .CLUB DOMAINS, LLC

club

// clubmed : 2015-06-25 Club Méditerranée S.A.

clubmed

// coach : 2014-10-09 Binky Moon, LLC

coach

// codes : 2013-10-31 Binky Moon, LLC

codes

// coffee : 2013-10-17 Binky Moon, LLC

coffee

// college : 2014-01-16 XYZ.COM LLC

college

// cologne : 2014-02-05 dotKoeln GmbH

cologne

// comcast : 2015-07-23 Comcast IP Holdings I, LLC

comcast

// commbank : 2014-06-26 COMMONWEALTH BANK OF AUSTRALIA  
commbank

// community : 2013-12-05 Binky Moon, LLC  
community

// company : 2013-11-07 Binky Moon, LLC  
company

// compare : 2015-10-08 Registry Services, LLC  
compare

// computer : 2013-10-24 Binky Moon, LLC  
computer

//  
comsec : 2015-01-08 VeriSign, Inc.  
comsec

// condos : 2013-12-05 Binky Moon, LLC  
condos

// construction : 2013-09-16 Binky Moon, LLC  
construction

// consulting : 2013-12-05 Dog Beach, LLC  
consulting

// contact : 2015-01-08 Dog Beach, LLC  
contact

// contractors : 2013-09-10 Binky Moon, LLC  
contractors

// cooking : 2013-11-21 Minds + Machines Group Limited  
cooking

// cookingchannel : 2015-07-02 Lifestyle Domain Holdings, Inc.  
cookingchannel

// cool : 2013-11-14 Binky Moon, LLC  
cool

// corsica : 2014-09-25 Collectivité de Corse  
corsica

// country : 2013-12-19 DotCountry LLC  
country

// coupon : 2015-02-26 Amazon Registry Services, Inc.  
coupon

// coupons : 2015-03-26 Binky Moon, LLC  
coupons

// courses : 2014-12-04 OPEN UNIVERSITIES AUSTRALIA PTY LTD  
courses

// cpa : 2019-06-10 American Institute of Certified Public Accountants  
cpa

// credit : 2014-03-20 Binky Moon, LLC  
credit

// creditcard : 2014-03-20 Binky Moon, LLC  
creditcard

// creditunion : 2015-01-22 CUNA Performance  
Resources, LLC  
creditunion

// cricket : 2014-10-09 dot Cricket Limited  
cricket

// crown : 2014-10-24 Crown Equipment Corporation  
crown

// crs : 2014-04-03 Federated Co-operatives Limited  
crs

// cruise : 2015-12-10 Viking River Cruises (Bermuda) Ltd.  
cruise

// cruises : 2013-12-05 Binky Moon, LLC  
cruises

// csc : 2014-09-25 Alliance-One Services, Inc.  
csc

// cuisinella : 2014-04-03 SCHMIDT GROUPE S.A.S.  
cuisinella

// cymru : 2014-05-08 Nominet UK  
cymru

// cyou : 2015-01-22 ShortDot SA  
cyou

// dabur : 2014-02-06 Dabur India Limited  
dabur

// dad : 2014-01-23 Charleston Road Registry Inc.  
dad

// dance : 2013-10-24 Dog Beach, LLC  
dance

// data : 2016-06-02 Dish DBS Corporation  
data

// date : 2014-11-20 dot Date Limited  
date

// dating : 2013-12-05 Binky Moon, LLC  
dating

// datsun : 2014-03-27 NISSAN MOTOR CO., LTD.  
datsun

// day : 2014-01-30 Charleston Road Registry Inc.  
day

// dclk : 2014-11-20 Charleston Road Registry Inc.  
dclk

// dds : 2015-05-07 Minds + Machines Group  
Limited  
dds

// deal : 2015-06-25 Amazon Registry Services, Inc.  
deal

// dealer : 2014-12-22 Intercap Registry Inc.  
dealer

// deals : 2014-05-22 Binky Moon, LLC  
deals

// degree : 2014-03-06 Dog Beach, LLC  
degree

// delivery : 2014-09-11 Binky Moon, LLC

delivery

// dell : 2014-10-24 Dell Inc.

dell

// deloitte : 2015-07-31 Deloitte Touche Tohmatsu

deloitte

// delta : 2015-02-19 Delta Air Lines, Inc.

delta

// democrat : 2013-10-24 Dog Beach, LLC

democrat

// dental : 2014-03-20 Binky Moon, LLC

dental

// dentist : 2014-03-20 Dog Beach, LLC

dentist

// desi : 2013-11-14 Desi Networks LLC

desi

// design : 2014-11-07 Top Level Design, LLC

design

// dev : 2014-10-16 Charleston Road Registry Inc.

dev

// dhl : 2015-07-23 Deutsche Post AG

dhl

// diamonds : 2013-09-22 Binky Moon, LLC

diamonds

// diet : 2014-06-26 UNR Corp.

diet

// digital : 2014-03-06 Binky Moon, LLC

digital

// direct : 2014-04-10 Binky Moon, LLC

direct

// directory : 2013-09-20 Binky Moon, LLC

directory

// discount



: 2014-03-06 Binky Moon, LLC

discount

// discover : 2015-07-23 Discover Financial Services

discover

// dish : 2015-07-30 Dish DBS Corporation

dish

// diy : 2015-11-05 Lifestyle Domain Holdings, Inc.

diy

// dnp : 2013-12-13 Dai Nippon Printing Co., Ltd.

dnp

// docs : 2014-10-16 Charleston Road Registry Inc.

docs

// doctor : 2016-06-02 Binky Moon, LLC

doctor

// dog : 2014-12-04 Binky Moon, LLC

dog

// domains : 2013-10-17 Binky Moon, LLC

domains

// dot : 2015-05-21 Dish DBS Corporation

dot

// download : 2014-11-20 dot Support Limited

download

// drive : 2015-03-05 Charleston Road Registry Inc.

drive

// dtv : 2015-06-04 Dish DBS Corporation

dtv

// dubai : 2015-01-01 Dubai Smart Government Department

dubai

// duck : 2015-07-23 Johnson Shareholdings, Inc.

duck

// dunlop : 2015-07-02 The Goodyear Tire & Rubber Company

dunlop

// dupont : 2015-06-25 E. I. du Pont de Nemours and Company  
dupont

// durban : 2014-03-24 ZA Central Registry NPC trading as ZA Central Registry  
durban

//  
dvag : 2014-06-23 Deutsche Vermögensberatung Aktiengesellschaft DVAG  
dvag

// dvr : 2016-05-26 DISH Technologies L.L.C.  
dvr

// earth : 2014-12-04 Interlink Co., Ltd.  
earth

// eat : 2014-01-23 Charleston Road Registry Inc.  
eat

// eco : 2016-07-08 Big Room Inc.  
eco

// edeka : 2014-12-18 EDEKA Verband kaufmännischer Genossenschaften e.V.  
edeka

// education : 2013-11-07 Binky Moon, LLC  
education

// email : 2013-10-31 Binky Moon, LLC  
email

// emerck : 2014-04-03 Merck KGaA  
emerck

// energy : 2014-09-11 Binky Moon, LLC  
energy

// engineer : 2014-03-06 Dog Beach, LLC  
engineer

// engineering : 2014-03-06 Binky Moon, LLC  
engineering

// enterprises : 2013-09-20 Binky Moon, LLC  
enterprises

// epson : 2014-12-04 Seiko Epson Corporation  
epson

// equipment : 2013-08-27 Binky Moon, LLC  
equipment

// ericsson : 2015-07-09 Telefonaktiebolaget L M Ericsson  
ericsson

// erni : 2014-04-03 ERNI Group Holding AG  
erni

// esq : 2014-05-08 Charleston Road Registry Inc.  
esq

// estate : 2013-08-27  
Binky Moon, LLC  
estate

// etisalat : 2015-09-03 Emirates Telecommunications Corporation (trading as Etisalat)  
etisalat

// eurovision : 2014-04-24 European Broadcasting Union (EBU)  
eurovision

// eus : 2013-12-12 Puntueus Fundazioa  
eus

// events : 2013-12-05 Binky Moon, LLC  
events

// exchange : 2014-03-06 Binky Moon, LLC  
exchange

// expert : 2013-11-21 Binky Moon, LLC  
expert

// exposed : 2013-12-05 Binky Moon, LLC  
exposed

// express : 2015-02-11 Binky Moon, LLC  
express

// extraspace : 2015-05-14 Extra Space Storage LLC  
extraspace

// fage : 2014-12-18 Fage International S.A.  
fage

// fail : 2014-03-06 Binky Moon, LLC

fail

// fairwinds : 2014-11-13 FairWinds Partners, LLC  
fairwinds

// faith : 2014-11-20 dot Faith Limited  
faith

// family : 2015-04-02 Dog Beach, LLC  
family

// fan : 2014-03-06 Dog Beach, LLC  
fan

// fans : 2014-11-07 ZDNS International Limited  
fans

// farm : 2013-11-07 Binky Moon, LLC  
farm

// farmers : 2015-07-09 Farmers Insurance Exchange  
farmers

// fashion  
: 2014-07-03 Minds + Machines Group Limited  
fashion

// fast : 2014-12-18 Amazon Registry Services, Inc.  
fast

// fedex : 2015-08-06 Federal Express Corporation  
fedex

// feedback : 2013-12-19 Top Level Spectrum, Inc.  
feedback

// ferrari : 2015-07-31 Fiat Chrysler Automobiles N.V.  
ferrari

// ferrero : 2014-12-18 Ferrero Trading Lux S.A.  
ferrero

// fiat : 2015-07-31 Fiat Chrysler Automobiles N.V.  
fiat

// fidelity : 2015-07-30 Fidelity Brokerage Services LLC  
fidelity

// fido : 2015-08-06 Rogers Communications Canada Inc.

fido

// film : 2015-01-08 Motion Picture Domain Registry Pty Ltd

film

// final : 2014-10-16 Núcleo de Informação e Coordenação do Ponto BR - NIC.br

final

// finance : 2014-03-20 Binky Moon, LLC

finance

// financial : 2014-03-06 Binky Moon, LLC

financial

// fire : 2015-06-25 Amazon Registry Services, Inc.

fire

// firestone : 2014-12-18 Bridgestone Licensing Services, Inc

firestone

// firmdale : 2014-03-27 Firmdale Holdings Limited

firmdale

// fish : 2013-12-12

Binky Moon, LLC

fish

// fishing : 2013-11-21 Minds + Machines Group Limited

fishing

// fit : 2014-11-07 Minds + Machines Group Limited

fit

// fitness : 2014-03-06 Binky Moon, LLC

fitness

// flickr : 2015-04-02 Flickr, Inc.

flickr

// flights : 2013-12-05 Binky Moon, LLC

flights

// flir : 2015-07-23 FLIR Systems, Inc.

flir

// florist : 2013-11-07 Binky Moon, LLC

florist

// flowers : 2014-10-09 UNR Corp.  
flowers

// fly : 2014-05-08 Charleston Road Registry Inc.  
fly

// foo : 2014-01-23 Charleston Road Registry Inc.  
foo

// food : 2016-04-21 Lifestyle Domain Holdings, Inc.  
food

// foodnetwork : 2015-07-02 Lifestyle Domain Holdings, Inc.  
foodnetwork

// football : 2014-12-18 Binky Moon, LLC  
football

// ford : 2014-11-13 Ford Motor Company  
ford

// forex : 2014-12-11 Dotforex Registry Limited  
forex

// forsale : 2014-05-22 Dog Beach, LLC  
forsale

// forum : 2015-04-02 Fegistry, LLC  
forum

// foundation : 2013-12-05 Binky Moon, LLC  
foundation

// fox : 2015-09-11 FOX Registry,  
LLC  
fox

// free : 2015-12-10 Amazon Registry Services, Inc.  
free

// fresenius : 2015-07-30 Fresenius Immobilien-Verwaltungs-GmbH  
fresenius

// frl : 2014-05-15 FRLregistry B.V.  
frl

// frogans : 2013-12-19 OP3FT

frogans

// frontdoor : 2015-07-02 Lifestyle Domain Holdings, Inc.  
frontdoor

// frontier : 2015-02-05 Frontier Communications Corporation  
frontier

// ftr : 2015-07-16 Frontier Communications Corporation  
ftr

// fujitsu : 2015-07-30 Fujitsu Limited  
fujitsu

// fujixerox : 2015-07-23 Xerox DNHC LLC  
fujixerox

// fun : 2016-01-14 DotSpace Inc.  
fun

// fund : 2014-03-20 Binky Moon, LLC  
fund

// furniture : 2014-03-20 Binky Moon, LLC  
furniture

// futbol : 2013-09-20 Dog Beach, LLC  
futbol

// fyi : 2015-04-02 Binky Moon, LLC  
fyi

// gal : 2013-11-07 Asociación puntoGAL  
gal

// gallery : 2013-09-13 Binky Moon, LLC  
gallery

// gallo : 2015-06-11 Gallo Vineyards, Inc.  
gallo

// gallup : 2015-02-19 Gallup, Inc.  
gallup

// game : 2015-05-28 UNR Corp.  
game

// games : 2015-05-28

Dog Beach, LLC

games

// gap : 2015-07-31 The Gap, Inc.

gap

// garden : 2014-06-26 Minds + Machines Group Limited

garden

// gay : 2019-05-23 Top Level Design, LLC

gay

// gbiz : 2014-07-17 Charleston Road Registry Inc.

gbiz

// gdn : 2014-07-31 Joint Stock Company "Navigation-information systems"

gdn

// gea : 2014-12-04 GEA Group Aktiengesellschaft

gea

// gent : 2014-01-23 COMBELL NV

gent

// genting : 2015-03-12 Resorts World Inc Pte. Ltd.

genting

// george : 2015-07-31 Wal-Mart Stores, Inc.

george

// ggee : 2014-01-09 GMO Internet, Inc.

ggee

// gift : 2013-10-17 DotGift, LLC

gift

// gifts : 2014-07-03 Binky Moon, LLC

gifts

// gives : 2014-03-06 Dog Beach, LLC

gives

// giving : 2014-11-13 Giving Limited

giving

// glade : 2015-07-23 Johnson Shareholdings, Inc.

glade



// glass : 2013-11-07 Binky Moon, LLC  
glass

// gle : 2014-07-24 Charleston Road Registry Inc.  
gle

// global : 2014-04-17 Dot Global Domain Registry Limited  
global

// globo : 2013-12-19 Globo Comunicação e Participações  
S.A  
globo

// gmail : 2014-05-01 Charleston Road Registry Inc.  
gmail

// gmbh : 2016-01-29 Binky Moon, LLC  
gmbh

// gmo : 2014-01-09 GMO Internet, Inc.  
gmo

// gmx : 2014-04-24 1&1 Mail & Media GmbH  
gmx

// godaddy : 2015-07-23 Go Daddy East, LLC  
godaddy

// gold : 2015-01-22 Binky Moon, LLC  
gold

// goldpoint : 2014-11-20 YODOBASHI CAMERA CO.,LTD.  
goldpoint

// golf : 2014-12-18 Binky Moon, LLC  
golf

// goo : 2014-12-18 NTT Resonant Inc.  
goo

// goodyear : 2015-07-02 The Goodyear Tire & Rubber Company  
goodyear

// goog : 2014-11-20 Charleston Road Registry Inc.  
goog

// google : 2014-07-24 Charleston Road Registry Inc.  
google

// gop : 2014-01-16 Republican State Leadership Committee, Inc.  
gop

// got : 2014-12-18 Amazon Registry Services, Inc.  
got

// grainger : 2015-05-07 Grainger Registry Services, LLC  
grainger

// graphics : 2013-09-13 Binky Moon, LLC  
graphics

// gratis : 2014-03-20 Binky Moon, LLC  
gratis

// green : 2014-05-08 Afiliias Limited  
green

// gripe : 2014-03-06  
Binky Moon, LLC  
gripe

// grocery : 2016-06-16 Wal-Mart Stores, Inc.  
grocery

// group : 2014-08-15 Binky Moon, LLC  
group

// guardian : 2015-07-30 The Guardian Life Insurance Company of America  
guardian

// gucci : 2014-11-13 Guccio Gucci S.p.a.  
gucci

// guge : 2014-08-28 Charleston Road Registry Inc.  
guge

// guide : 2013-09-13 Binky Moon, LLC  
guide

// guitars : 2013-11-14 UNR Corp.  
guitars

// guru : 2013-08-27 Binky Moon, LLC  
guru

// hair : 2015-12-03 XYZ.COM LLC

hair

// hamburg : 2014-02-20 Hamburg Top-Level-Domain GmbH  
hamburg

// hangout : 2014-11-13 Charleston Road Registry Inc.  
hangout

// haus : 2013-12-05 Dog Beach, LLC  
haus

// hbo : 2015-07-30 HBO Registry Services, Inc.  
hbo

// hdfc : 2015-07-30 HOUSING DEVELOPMENT FINANCE CORPORATION LIMITED  
hdfc

// hdfcbank : 2015-02-12 HDFC Bank Limited  
hdfcbank

// health : 2015-02-11 DotHealth, LLC  
health

// healthcare : 2014-06-12 Binky Moon, LLC  
healthcare

// help : 2014-06-26 UNR Corp.  
help

// helsinki : 2015-02-05 City  
of Helsinki  
helsinki

// here : 2014-02-06 Charleston Road Registry Inc.  
here

// hermes : 2014-07-10 HERMES INTERNATIONAL  
hermes

// hgtv : 2015-07-02 Lifestyle Domain Holdings, Inc.  
hgtv

// hiphop : 2014-03-06 UNR Corp.  
hiphop

// hisamitsu : 2015-07-16 Hisamitsu Pharmaceutical Co.,Inc.  
hisamitsu

// hitachi : 2014-10-31 Hitachi, Ltd.  
hitachi

// hiv : 2014-03-13 UNR Corp.  
hiv

// hkt : 2015-05-14 PCCW-HKT DataCom Services Limited  
hkt

// hockey : 2015-03-19 Binky Moon, LLC  
hockey

// holdings : 2013-08-27 Binky Moon, LLC  
holdings

// holiday : 2013-11-07 Binky Moon, LLC  
holiday

// homedepot : 2015-04-02 Home Depot Product Authority, LLC  
homedepot

// homegoods : 2015-07-16 The TJX Companies, Inc.  
homegoods

// homes : 2014-01-09 XYZ.COM LLC  
homes

// homesense : 2015-07-16 The TJX Companies, Inc.  
homesense

// honda : 2014-12-18 Honda Motor Co., Ltd.  
honda

// horse : 2013-11-21 Minds + Machines Group Limited  
horse

// hospital : 2016-10-20 Binky Moon, LLC  
hospital

// host : 2014-04-17  
DotHost Inc.  
host

// hosting : 2014-05-29 UNR Corp.  
hosting

// hot : 2015-08-27 Amazon Registry Services, Inc.  
hot

// hoteles : 2015-03-05 Travel Reservations SRL  
hoteles

// hotels : 2016-04-07 Booking.com B.V.  
hotels

// hotmail : 2014-12-18 Microsoft Corporation  
hotmail

// house : 2013-11-07 Binky Moon, LLC  
house

// how : 2014-01-23 Charleston Road Registry Inc.  
how

// hsbc : 2014-10-24 HSBC Global Services (UK) Limited  
hsbc

// hughes : 2015-07-30 Hughes Satellite Systems Corporation  
hughes

// hyatt : 2015-07-30 Hyatt GTLD, L.L.C.  
hyatt

// hyundai : 2015-07-09 Hyundai Motor Company  
hyundai

// ibm : 2014-07-31 International Business Machines Corporation  
ibm

// icbc : 2015-02-19 Industrial and Commercial Bank of China Limited  
icbc

// ice : 2014-10-30 IntercontinentalExchange, Inc.  
ice

// icu : 2015-01-08 ShortDot SA  
icu

// ieee : 2015-07-23 IEEE Global LLC  
ieee

// ifm : 2014-01-30 ifm electronic gmbh  
ifm

// ikano : 2015-07-09 Ikano S.A.  
ikano

// imamat : 2015-08-06  
Fondation Aga Khan (Aga Khan Foundation)  
imamat

// imdb : 2015-06-25 Amazon Registry Services, Inc.  
imdb

// immo : 2014-07-10 Binky Moon, LLC  
immo

// immobilier : 2013-11-07 Dog Beach, LLC  
immobilier

// inc : 2018-03-10 Intercap Registry Inc.  
inc

// industries : 2013-12-05 Binky Moon, LLC  
industries

// infiniti : 2014-03-27 NISSAN MOTOR CO., LTD.  
infiniti

// ing : 2014-01-23 Charleston Road Registry Inc.  
ing

// ink : 2013-12-05 Top Level Design, LLC  
ink

// institute : 2013-11-07 Binky Moon, LLC  
institute

// insurance : 2015-02-19 fTLD Registry Services LLC  
insurance

// insure : 2014-03-20 Binky Moon, LLC  
insure

// international : 2013-11-07 Binky Moon, LLC  
international

// intuit : 2015-07-30 Intuit Administrative Services, Inc.  
intuit

// investments : 2014-03-20 Binky Moon, LLC  
investments

// ipiranga : 2014-08-28 Ipiranga Produtos de Petroleo S.A.

ipiranga

// irish : 2014-08-07 Binky Moon, LLC  
irish

// ismaili : 2015-08-06 Fondation Aga Khan (Aga Khan Foundation)  
ismaili

//  
ist : 2014-08-28 Istanbul Metropolitan Municipality  
ist

// istanbul : 2014-08-28 Istanbul Metropolitan Municipality  
istanbul

// itau : 2014-10-02 Itau Unibanco Holding S.A.  
itau

// itv : 2015-07-09 ITV Services Limited  
itv

// iveco : 2015-09-03 CNH Industrial N.V.  
iveco

// jaguar : 2014-11-13 Jaguar Land Rover Ltd  
jaguar

// java : 2014-06-19 Oracle Corporation  
java

// jcb : 2014-11-20 JCB Co., Ltd.  
jcb

// jcp : 2015-04-23 JCP Media, Inc.  
jcp

// jeep : 2015-07-30 FCA US LLC.  
jeep

// jetzt : 2014-01-09 Binky Moon, LLC  
jetzt

// jewelry : 2015-03-05 Binky Moon, LLC  
jewelry

// jio : 2015-04-02 Reliance Industries Limited  
jio

// jll : 2015-04-02 Jones Lang LaSalle Incorporated  
jll

// jmp : 2015-03-26 Matrix IP LLC  
jmp

// jnj : 2015-06-18 Johnson & Johnson Services, Inc.  
jnj

// joburg : 2014-03-24 ZA Central Registry NPC trading as ZA Central Registry  
joburg

// jot : 2014-12-18 Amazon Registry Services, Inc.  
jot

// joy : 2014-12-18 Amazon Registry Services, Inc.  
joy

//  
jpmorgan : 2015-04-30 JPMorgan Chase Bank, National Association  
jpmorgan

// jprs : 2014-09-18 Japan Registry Services Co., Ltd.  
jprs

// juegos : 2014-03-20 UNR Corp.  
juegos

// juniper : 2015-07-30 JUNIPER NETWORKS, INC.  
juniper

// kaufen : 2013-11-07 Dog Beach, LLC  
kaufen

// kddi : 2014-09-12 KDDI CORPORATION  
kddi

// kerryhotels : 2015-04-30 Kerry Trading Co. Limited  
kerryhotels

// kerrylogistics : 2015-04-09 Kerry Trading Co. Limited  
kerrylogistics

// kerryproperties : 2015-04-09 Kerry Trading Co. Limited  
kerryproperties

// kfh : 2014-12-04 Kuwait Finance House  
kfh



// kia : 2015-07-09 KIA MOTORS CORPORATION

kia

// kim : 2013-09-23 Afiliás Limited

kim

// kinder : 2014-11-07 Ferrero Trading Lux S.A.

kinder

// kindle : 2015-06-25 Amazon Registry Services, Inc.

kindle

// kitchen : 2013-09-20 Binky Moon, LLC

kitchen

// kiwi : 2013-09-20 DOT KIWI LIMITED

kiwi

// koeln : 2014-01-09 dotKoeln GmbH

koeln

// komatsu : 2015-01-08 Komatsu Ltd.

komatsu

// kosher : 2015-08-20

Kosher Marketing Assets LLC

kosher

// kpmg : 2015-04-23 KPMG International Cooperative (KPMG International Genossenschaft)

kpmg

// kpn : 2015-01-08 Koninklijke KPN N.V.

kpn

// krd : 2013-12-05 KRG Department of Information Technology

krd

// kred : 2013-12-19 KredTLD Pty Ltd

kred

// kuokgroup : 2015-04-09 Kerry Trading Co. Limited

kuokgroup

// kyoto : 2014-11-07 Academic Institution: Kyoto Jyoho Gakuen

kyoto

// lacaixa : 2014-01-09 Fundació Bancaria Caixa d'Estalvis i Pensions de Barcelona, "la Caixa"

lacaixa

// lamborghini : 2015-06-04 Automobili Lamborghini S.p.A.  
lamborghini

// lamer : 2015-10-01 The Estée Lauder Companies Inc.  
lamer

// lancaster : 2015-02-12 LANCASTER  
lancaster

// lancia : 2015-07-31 Fiat Chrysler Automobiles N.V.  
lancia

// land : 2013-09-10 Binky Moon, LLC  
land

// landrover : 2014-11-13 Jaguar Land Rover Ltd  
landrover

// lanxess : 2015-07-30 LANXESS Corporation  
lanxess

// lasalle : 2015-04-02 Jones Lang LaSalle Incorporated  
lasalle

// lat :  
2014-10-16 ECOM-LAC Federaciòn de Latinoamèrica y el Caribe para Internet y el Comercio Electrònico  
lat

// latino : 2015-07-30 Dish DBS Corporation  
latino

// latrobe : 2014-06-16 La Trobe University  
latrobe

// law : 2015-01-22 LW TLD Limited  
law

// lawyer : 2014-03-20 Dog Beach, LLC  
lawyer

// lds : 2014-03-20 IRI Domain Management, LLC  
lds

// lease : 2014-03-06 Binky Moon, LLC  
lease

// leclerc : 2014-08-07 A.C.D. LEC Association des Centres Distributeurs Edouard Leclerc  
leclerc

// lefrak : 2015-07-16 LeFrak Organization, Inc.  
lefrak

// legal : 2014-10-16 Binky Moon, LLC  
legal

// lego : 2015-07-16 LEGO Juris A/S  
lego

// lexus : 2015-04-23 TOYOTA MOTOR CORPORATION  
lexus

// lgbt : 2014-05-08 Afiliis Limited  
lgbt

// lidl : 2014-09-18 Schwarz Domains und Services GmbH & Co. KG  
lidl

// life : 2014-02-06 Binky Moon, LLC  
life

// lifeinsurance : 2015-01-15 American Council of Life Insurers  
lifeinsurance

// lifestyle : 2014-12-11 Lifestyle Domain Holdings, Inc.  
lifestyle

// lighting  
: 2013-08-27 Binky Moon, LLC  
lighting

// like : 2014-12-18 Amazon Registry Services, Inc.  
like

// lilly : 2015-07-31 Eli Lilly and Company  
lilly

// limited : 2014-03-06 Binky Moon, LLC  
limited

// limo : 2013-10-17 Binky Moon, LLC  
limo

// lincoln : 2014-11-13 Ford Motor Company  
lincoln

// linde : 2014-12-04 Linde Aktiengesellschaft  
linde

// link : 2013-11-14 UNR Corp.  
link

// lippy : 2015-06-25 Lippy Ltd  
lippy

// live : 2014-12-04 Dog Beach, LLC  
live

// living : 2015-07-30 Lifestyle Domain Holdings, Inc.  
living

// lixil : 2015-03-19 LIXIL Group Corporation  
lixil

// llc : 2017-12-14 Afilias Limited  
llc

// llp : 2019-08-26 UNR Corp.  
llp

// loan : 2014-11-20 dot Loan Limited  
loan

// loans : 2014-03-20 Binky Moon, LLC  
loans

// locker : 2015-06-04 Dish DBS Corporation  
locker

// locus : 2015-06-25 Locus Analytics LLC  
locus

// loft : 2015-07-30 Annco, Inc.  
loft

// lol : 2015-01-30 UNR Corp.  
lol

// london : 2013-11-14 Dot London Domains Limited  
london

// lotte : 2014-11-07

Lotte Holdings Co., Ltd.

lotte

// lotto : 2014-04-10 Afiliias Limited

lotto

// love : 2014-12-22 Merchant Law Group LLP

love

// lpl : 2015-07-30 LPL Holdings, Inc.

lpl

// lplfinancial : 2015-07-30 LPL Holdings, Inc.

lplfinancial

// ltd : 2014-09-25 Binky Moon, LLC

ltd

// ltda : 2014-04-17 InterNetX, Corp

ltda

// lundbeck : 2015-08-06 H. Lundbeck A/S

lundbeck

// lupin : 2014-11-07 LUPIN LIMITED

lupin

// luxe : 2014-01-09 Minds + Machines Group Limited

luxe

// luxury : 2013-10-17 Luxury Partners, LLC

luxury

// macys : 2015-07-31 Macys, Inc.

macys

// madrid : 2014-05-01 Comunidad de Madrid

madrid

// maif : 2014-10-02 Mutuelle Assurance Instituteur France (MAIF)

maif

// maison : 2013-12-05 Binky Moon, LLC

maison

// makeup : 2015-01-15 XYZ.COM LLC

makeup

// man : 2014-12-04 MAN SE  
man

// management : 2013-11-07 Binky Moon, LLC  
management

// mango : 2013-10-24 PUNTO FA S.L.  
mango

// map : 2016-06-09 Charleston Road Registry Inc.  
map

// market : 2014-03-06 Dog Beach, LLC  
market

//  
marketing : 2013-11-07 Binky Moon, LLC  
marketing

// markets : 2014-12-11 Dotmarkets Registry Limited  
markets

// marriott : 2014-10-09 Marriott Worldwide Corporation  
marriott

// marshalls : 2015-07-16 The TJX Companies, Inc.  
marshalls

// maserati : 2015-07-31 Fiat Chrysler Automobiles N.V.  
maserati

// mattel : 2015-08-06 Mattel Sites, Inc.  
mattel

// mba : 2015-04-02 Binky Moon, LLC  
mba

// mckinsey : 2015-07-31 McKinsey Holdings, Inc.  
mckinsey

// med : 2015-08-06 Medistry LLC  
med

// media : 2014-03-06 Binky Moon, LLC  
media

// meet : 2014-01-16 Charleston Road Registry Inc.  
meet

// melbourne : 2014-05-29 The Crown in right of the State of Victoria, represented by its Department of State  
Development, Business and Innovation  
melbourne

// meme : 2014-01-30 Charleston Road Registry Inc.  
meme

// memorial : 2014-10-16 Dog Beach, LLC  
memorial

// men : 2015-02-26 Exclusive Registry Limited  
men

// menu : 2013-09-11 Dot Menu Registry, LLC  
menu

// merckmsd : 2016-07-14  
MSD Registry Holdings, Inc.  
merckmsd

// miami : 2013-12-19 Minds + Machines Group Limited  
miami

// microsoft : 2014-12-18 Microsoft Corporation  
microsoft

// mini : 2014-01-09 Bayerische Motoren Werke Aktiengesellschaft  
mini

// mint : 2015-07-30 Intuit Administrative Services, Inc.  
mint

// mit : 2015-07-02 Massachusetts Institute of Technology  
mit

// mitsubishi : 2015-07-23 Mitsubishi Corporation  
mitsubishi

// mlb : 2015-05-21 MLB Advanced Media DH, LLC  
mlb

// mls : 2015-04-23 The Canadian Real Estate Association  
mls

// mma : 2014-11-07 MMA IARD  
mma

// mobile : 2016-06-02 Dish DBS Corporation  
mobile

// moda : 2013-11-07 Dog Beach, LLC  
moda

// moe : 2013-11-13 Interlink Co., Ltd.  
moe

// moi : 2014-12-18 Amazon Registry Services, Inc.  
moi

// mom : 2015-04-16 UNR Corp.  
mom

// monash : 2013-09-30 Monash University  
monash

// money : 2014-10-16 Binky Moon, LLC  
money

// monster : 2015-09-11 XYZ.COM LLC  
monster

// mormon : 2013-12-05 IRI Domain Management, LLC  
mormon

// mortgage  
: 2014-03-20 Dog Beach, LLC  
mortgage

// moscow : 2013-12-19 Foundation for Assistance for Internet Technologies and Infrastructure Development  
(FAITID)  
moscow

// moto : 2015-06-04 Motorola Trademark Holdings, LLC  
moto

// motorcycles : 2014-01-09 XYZ.COM LLC  
motorcycles

// mov : 2014-01-30 Charleston Road Registry Inc.  
mov

// movie : 2015-02-05 Binky Moon, LLC  
movie

// msd : 2015-07-23 MSD Registry Holdings, Inc.



msd

// mtn : 2014-12-04 MTN Dubai Limited  
mtn

// mtr : 2015-03-12 MTR Corporation Limited  
mtr

// mutual : 2015-04-02 Northwestern Mutual MU TLD Registry, LLC  
mutual

// nab : 2015-08-20 National Australia Bank Limited  
nab

// nagoya : 2013-10-24 GMO Registry, Inc.  
nagoya

// nationwide : 2015-07-23 Nationwide Mutual Insurance Company  
nationwide

// natura : 2015-03-12 NATURA COSMÉTICOS S.A.  
natura

// navy : 2014-03-06 Dog Beach, LLC  
navy

// nba : 2015-07-31 NBA REGISTRY, LLC  
nba

// nec : 2015-01-08 NEC Corporation  
nec

// netbank : 2014-06-26 COMMONWEALTH BANK OF  
AUSTRALIA  
netbank

// netflix : 2015-06-18 Netflix, Inc.  
netflix

// network : 2013-11-14 Binky Moon, LLC  
network

// neustar : 2013-12-05 NeuStar, Inc.  
neustar

// new : 2014-01-30 Charleston Road Registry Inc.  
new

// newholland : 2015-09-03 CNH Industrial N.V.  
newholland

// news : 2014-12-18 Dog Beach, LLC  
news

// next : 2015-06-18 Next plc  
next

// nextdirect : 2015-06-18 Next plc  
nextdirect

// nexus : 2014-07-24 Charleston Road Registry Inc.  
nexus

// nfl : 2015-07-23 NFL Reg Ops LLC  
nfl

// ngo : 2014-03-06 Public Interest Registry  
ngo

// nhk : 2014-02-13 Japan Broadcasting Corporation (NHK)  
nhk

// nico : 2014-12-04 DWANGO Co., Ltd.  
nico

// nike : 2015-07-23 NIKE, Inc.  
nike

// nikon : 2015-05-21 NIKON CORPORATION  
nikon

// ninja : 2013-11-07 Dog Beach, LLC  
ninja

// nissan : 2014-03-27 NISSAN MOTOR CO., LTD.  
nissan

// nissay : 2015-10-29 Nippon Life Insurance Company  
nissay

// nokia : 2015-01-08 Nokia Corporation  
nokia

// northwesternmutual : 2015-06-18 Northwestern Mutual  
Registry, LLC  
northwesternmutual

// norton : 2014-12-04 NortonLifeLock Inc.  
norton

// now : 2015-06-25 Amazon Registry Services, Inc.  
now

// nowruz : 2014-09-04 Asia Green IT System Bilgisayar San. ve Tic. Ltd. Sti.  
nowruz

// nowtv : 2015-05-14 Starbucks (HK) Limited  
nowtv

// nra : 2014-05-22 NRA Holdings Company, INC.  
nra

// nrw : 2013-11-21 Minds + Machines GmbH  
nrw

// ntt : 2014-10-31 NIPPON TELEGRAPH AND TELEPHONE CORPORATION  
ntt

// nyc : 2014-01-23 The City of New York by and through the New York City Department of Information  
Technology & Telecommunications  
nyc

// obi : 2014-09-25 OBI Group Holding SE & Co. KGaA  
obi

// observer : 2015-04-30 Top Level Spectrum, Inc.  
observer

// off : 2015-07-23 Johnson Shareholdings, Inc.  
off

// office : 2015-03-12 Microsoft Corporation  
office

// okinawa : 2013-12-05 BRregistry, Inc.  
okinawa

// olayan : 2015-05-14 Crescent Holding GmbH  
olayan

// olayangroup : 2015-05-14 Crescent Holding GmbH  
olayangroup

// oldnavy : 2015-07-31

The Gap, Inc.

oldnavy

// ollo : 2015-06-04 Dish DBS Corporation

ollo

// omega : 2015-01-08 The Swatch Group Ltd

omega

// one : 2014-11-07 One.com A/S

one

// ong : 2014-03-06 Public Interest Registry

ong

// onl : 2013-09-16 iRegistry GmbH

onl

// online : 2015-01-15 DotOnline Inc.

online

// onyourside : 2015-07-23 Nationwide Mutual Insurance Company

onyourside

// ooo : 2014-01-09 INFIBEAM AVENUES LIMITED

ooo

// open : 2015-07-31 American Express Travel Related Services Company, Inc.

open

// oracle : 2014-06-19 Oracle Corporation

oracle

// orange : 2015-03-12 Orange Brand Services Limited

orange

// organic : 2014-03-27 Afilias Limited

organic

// origins : 2015-10-01 The Estée Lauder Companies Inc.

origins

// osaka : 2014-09-04 Osaka Registry Co., Ltd.

osaka

// otsuka : 2013-10-11 Otsuka Holdings Co., Ltd.

otsuka

// ott : 2015-06-04 Dish DBS Corporation

ott

// ovh : 2014-01-16 MédiaBC

ovh

// page : 2014-12-04 Charleston Road Registry Inc.

page

// panasonic : 2015-07-30

Panasonic Corporation

panasonic

// paris : 2014-01-30 City of Paris

paris

// pars : 2014-09-04 Asia Green IT System Bilgisayar San. ve Tic. Ltd. Sti.

pars

// partners : 2013-12-05 Binky Moon, LLC

partners

// parts : 2013-12-05 Binky Moon, LLC

parts

// party : 2014-09-11 Blue Sky Registry Limited

party

// passagens : 2015-03-05 Travel Reservations SRL

passagens

// pay : 2015-08-27 Amazon Registry Services, Inc.

pay

// pccw : 2015-05-14 PCCW Enterprises Limited

pccw

// pet : 2015-05-07 Afiliás Limited

pet

// pfizer : 2015-09-11 Pfizer Inc.

pfizer

// pharmacy : 2014-06-19 National Association of Boards of Pharmacy

pharmacy

// phd : 2016-07-28 Charleston Road Registry Inc.

phd

// philips : 2014-11-07 Koninklijke Philips N.V.  
philips

// phone : 2016-06-02 Dish DBS Corporation  
phone

// photo : 2013-11-14 UNR Corp.  
photo

// photography : 2013-09-20 Binky Moon, LLC  
photography

// photos : 2013-10-17 Binky Moon, LLC  
photos

// physio : 2014-05-01 PhysBiz Pty Ltd  
physio

// pics  
: 2013-11-14 UNR Corp.  
pics

// pictet : 2014-06-26 Pictet Europe S.A.  
pictet

// pictures : 2014-03-06 Binky Moon, LLC  
pictures

// pid : 2015-01-08 Top Level Spectrum, Inc.  
pid

// pin : 2014-12-18 Amazon Registry Services, Inc.  
pin

// ping : 2015-06-11 Ping Registry Provider, Inc.  
ping

// pink : 2013-10-01 Afilias Limited  
pink

// pioneer : 2015-07-16 Pioneer Corporation  
pioneer

// pizza : 2014-06-26 Binky Moon, LLC  
pizza

// place : 2014-04-24 Binky Moon, LLC

place

// play : 2015-03-05 Charleston Road Registry Inc.

play

// playstation : 2015-07-02 Sony Interactive Entertainment Inc.

playstation

// plumbing : 2013-09-10 Binky Moon, LLC

plumbing

// plus : 2015-02-05 Binky Moon, LLC

plus

// pnc : 2015-07-02 PNC Domain Co., LLC

pnc

// pohl : 2014-06-23 Deutsche Vermögensberatung Aktiengesellschaft DVAG

pohl

// poker : 2014-07-03 Afilias Limited

poker

// politie : 2015-08-20 Politie Nederland

politie

// porn : 2014-10-16 ICM Registry PN LLC

porn

// pramerica : 2015-07-30

Prudential Financial, Inc.

pramerica

// praxi : 2013-12-05 Praxi S.p.A.

praxi

// press : 2014-04-03 DotPress Inc.

press

// prime : 2015-06-25 Amazon Registry Services, Inc.

prime

// prod : 2014-01-23 Charleston Road Registry Inc.

prod

// productions : 2013-12-05 Binky Moon, LLC

productions

// prof : 2014-07-24 Charleston Road Registry Inc.  
prof

// progressive : 2015-07-23 Progressive Casualty Insurance Company  
progressive

// promo : 2014-12-18 Afiliias Limited  
promo

// properties : 2013-12-05 Binky Moon, LLC  
properties

// property : 2014-05-22 UNR Corp.  
property

// protection : 2015-04-23 XYZ.COM LLC  
protection

// pru : 2015-07-30 Prudential Financial, Inc.  
pru

// prudential : 2015-07-30 Prudential Financial, Inc.  
prudential

// pub : 2013-12-12 Dog Beach, LLC  
pub

// pwc : 2015-10-29 PricewaterhouseCoopers LLP  
pwc

// qpon : 2013-11-14 dotCOOL, Inc.  
qpon

// quebec : 2013-12-19 PointQuébec Inc  
quebec

// quest : 2015-03-26 XYZ.COM LLC  
quest

// qvc : 2015-07-30 QVC, Inc.  
qvc

//  
racing : 2014-12-04 Premier Registry Limited  
racing

// radio : 2016-07-21 European Broadcasting Union (EBU)  
radio



// raid : 2015-07-23 Johnson Shareholdings, Inc.  
raid

// read : 2014-12-18 Amazon Registry Services, Inc.  
read

// realestate : 2015-09-11 dotRealEstate LLC  
realestate

// realtor : 2014-05-29 Real Estate Domains LLC  
realtor

// realty : 2015-03-19 Fegistry, LLC  
realty

// recipes : 2013-10-17 Binky Moon, LLC  
recipes

// red : 2013-11-07 Afiliias Limited  
red

// redstone : 2014-10-31 Redstone Haute Couture Co., Ltd.  
redstone

// redumbrella : 2015-03-26 Travelers TLD, LLC  
redumbrella

// rehab : 2014-03-06 Dog Beach, LLC  
rehab

// reise : 2014-03-13 Binky Moon, LLC  
reise

// reisen : 2014-03-06 Binky Moon, LLC  
reisen

// reit : 2014-09-04 National Association of Real Estate Investment Trusts, Inc.  
reit

// reliance : 2015-04-02 Reliance Industries Limited  
reliance

// ren : 2013-12-12 ZDNS International Limited  
ren

// rent : 2014-12-04 XYZ.COM LLC  
rent

// rentals  
: 2013-12-05 Binky Moon, LLC  
rentals

// repair : 2013-11-07 Binky Moon, LLC  
repair

// report : 2013-12-05 Binky Moon, LLC  
report

// republican : 2014-03-20 Dog Beach, LLC  
republican

// rest : 2013-12-19 Punto 2012 Sociedad Anonima Promotora de Inversion de Capital Variable  
rest

// restaurant : 2014-07-03 Binky Moon, LLC  
restaurant

// review : 2014-11-20 dot Review Limited  
review

// reviews : 2013-09-13 Dog Beach, LLC  
reviews

// rexroth : 2015-06-18 Robert Bosch GMBH  
rexroth

// rich : 2013-11-21 iRegistry GmbH  
rich

// richardli : 2015-05-14 Pacific Century Asset Management (HK) Limited  
richardli

// ricoh : 2014-11-20 Ricoh Company, Ltd.  
ricoh

// ril : 2015-04-02 Reliance Industries Limited  
ril

// rio : 2014-02-27 Empresa Municipal de Informática SA - IPLANRIO  
rio

// rip : 2014-07-10 Dog Beach, LLC  
rip

// rmit : 2015-11-19 Royal Melbourne Institute of Technology

rmit

// rocher : 2014-12-18 Ferrero Trading Lux S.A.  
rocher

// rocks : 2013-11-14 Dog Beach, LLC  
rocks

// rodeo  
: 2013-12-19 Minds + Machines Group Limited  
rodeo

// rogers : 2015-08-06 Rogers Communications Canada Inc.  
rogers

// room : 2014-12-18 Amazon Registry Services, Inc.  
room

// rsvp : 2014-05-08 Charleston Road Registry Inc.  
rsvp

// rugby : 2016-12-15 World Rugby Strategic Developments Limited  
rugby

// ruhr : 2013-10-02 regiodot GmbH & Co. KG  
ruhr

// run : 2015-03-19 Binky Moon, LLC  
run

// rwe : 2015-04-02 RWE AG  
rwe

// ryukyu : 2014-01-09 BRregistry, Inc.  
ryukyu

// saarland : 2013-12-12 dotSaarland GmbH  
saarland

// safe : 2014-12-18 Amazon Registry Services, Inc.  
safe

// safety : 2015-01-08 Safety Registry Services, LLC.  
safety

// sakura : 2014-12-18 SAKURA Internet Inc.  
sakura

// sale : 2014-10-16 Dog Beach, LLC  
sale

// salon : 2014-12-11 Binky Moon, LLC  
salon

// samsclub : 2015-07-31 Wal-Mart Stores, Inc.  
samsclub

// samsung : 2014-04-03 SAMSUNG SDS CO., LTD  
samsung

// sandvik : 2014-11-13 Sandvik AB  
sandvik

// sandvikcoromant : 2014-11-07 Sandvik AB  
sandvikcoromant

//  
sanofi : 2014-10-09 Sanofi  
sanofi

// sap : 2014-03-27 SAP AG  
sap

// sarl : 2014-07-03 Binky Moon, LLC  
sarl

// sas : 2015-04-02 Research IP LLC  
sas

// save : 2015-06-25 Amazon Registry Services, Inc.  
save

// saxo : 2014-10-31 Saxo Bank A/S  
saxo

// sbi : 2015-03-12 STATE BANK OF INDIA  
sbi

// sbs : 2014-11-07 SPECIAL BROADCASTING SERVICE CORPORATION  
sbs

// sca : 2014-03-13 SVENSKA CELLULOSA AKTIEBOLAGET SCA (publ)  
sca

// scb : 2014-02-20 The Siam Commercial Bank Public Company Limited ("SCB")  
scb

// schaeffler : 2015-08-06 Schaeffler Technologies AG & Co. KG  
schaeffler

// schmidt : 2014-04-03 SCHMIDT GROUPE S.A.S.  
schmidt

// scholarships : 2014-04-24 Scholarships.com, LLC  
scholarships

// school : 2014-12-18 Binky Moon, LLC  
school

// schule : 2014-03-06 Binky Moon, LLC  
schule

// schwarz : 2014-09-18 Schwarz Domains und Services GmbH & Co. KG  
schwarz

// science : 2014-09-11 dot Science Limited  
science

// scjohnson : 2015-07-23 Johnson Shareholdings, Inc.  
scjohnson

//  
scot : 2014-01-23 Dot Scot Registry Limited  
scot

// search : 2016-06-09 Charleston Road Registry Inc.  
search

// seat : 2014-05-22 SEAT, S.A. (Sociedad Unipersonal)  
seat

// secure : 2015-08-27 Amazon Registry Services, Inc.  
secure

// security : 2015-05-14 XYZ.COM LLC  
security

// seek : 2014-12-04 Seek Limited  
seek

// select : 2015-10-08 Registry Services, LLC  
select

// sener : 2014-10-24 Sener Ingeniería y Sistemas, S.A.

sener

// services : 2014-02-27 Binky Moon, LLC  
services

// ses : 2015-07-23 SES  
ses

// seven : 2015-08-06 Seven West Media Ltd  
seven

// sew : 2014-07-17 SEW-EURODRIVE GmbH & Co KG  
sew

// sex : 2014-11-13 ICM Registry SX LLC  
sex

// sexy : 2013-09-11 UNR Corp.  
sexy

// sfr : 2015-08-13 Societe Francaise du Radiotelephone - SFR  
sfr

// shangrila : 2015-09-03 ShangriLa International Hotel Management Limited  
shangrila

// sharp : 2014-05-01 Sharp Corporation  
sharp

// shaw : 2015-04-23 Shaw Cablesystems G.P.  
shaw

// shell : 2015-07-30 Shell Information Technology  
International Inc  
shell

// shia : 2014-09-04 Asia Green IT System Bilgisayar San. ve Tic. Ltd. Sti.  
shia

// shiksha : 2013-11-14 Afiliias Limited  
shiksha

// shoes : 2013-10-02 Binky Moon, LLC  
shoes

// shop : 2016-04-08 GMO Registry, Inc.  
shop

// shopping : 2016-03-31 Binky Moon, LLC  
shopping

// shouji : 2015-01-08 Beijing Qihu Keji Co., Ltd.  
shouji

// show : 2015-03-05 Binky Moon, LLC  
show

// showtime : 2015-08-06 CBS Domains Inc.  
showtime

// shriram : 2014-01-23 Shriram Capital Ltd.  
shriram

// silk : 2015-06-25 Amazon Registry Services, Inc.  
silk

// sina : 2015-03-12 Sina Corporation  
sina

// singles : 2013-08-27 Binky Moon, LLC  
singles

// site : 2015-01-15 DotSite Inc.  
site

// ski : 2015-04-09 Afilias Limited  
ski

// skin : 2015-01-15 XYZ.COM LLC  
skin

// sky : 2014-06-19 Sky International AG  
sky

// skype : 2014-12-18 Microsoft Corporation  
skype

// sling : 2015-07-30 DISH Technologies L.L.C.  
sling

// smart : 2015-07-09 Smart Communications, Inc. (SMART)  
smart

//  
smile : 2014-12-18 Amazon Registry Services, Inc.  
smile

// sncf : 2015-02-19 Société Nationale des Chemins de fer Francais S N C F  
sncf

// soccer : 2015-03-26 Binky Moon, LLC  
soccer

// social : 2013-11-07 Dog Beach, LLC  
social

// softbank : 2015-07-02 SoftBank Group Corp.  
softbank

// software : 2014-03-20 Dog Beach, LLC  
software

// sohu : 2013-12-19 Sohu.com Limited  
sohu

// solar : 2013-11-07 Binky Moon, LLC  
solar

// solutions : 2013-11-07 Binky Moon, LLC  
solutions

// song : 2015-02-26 Amazon Registry Services, Inc.  
song

// sony : 2015-01-08 Sony Corporation  
sony

// soy : 2014-01-23 Charleston Road Registry Inc.  
soy

// spa : 2019-09-19 Asia Spa and Wellness Promotion Council Limited  
spa

// space : 2014-04-03 DotSpace Inc.  
space

// sport : 2017-11-16 Global Association of International Sports Federations (GAISF)  
sport

// spot : 2015-02-26 Amazon Registry Services, Inc.  
spot

// spreadbetting : 2014-12-11 Dotspreadbetting Registry Limited  
spreadbetting



// srl : 2015-05-07  
InterNetX, Corp  
srl

// stada : 2014-11-13 STADA Arzneimittel AG  
stada

// staples : 2015-07-30 Staples, Inc.  
staples

// star : 2015-01-08 Star India Private Limited  
star

// statebank : 2015-03-12 STATE BANK OF INDIA  
statebank

// statefarm : 2015-07-30 State Farm Mutual Automobile Insurance Company  
statefarm

// stc : 2014-10-09 Saudi Telecom Company  
stc

// stcgroup : 2014-10-09 Saudi Telecom Company  
stcgroup

// stockholm : 2014-12-18 Stockholms kommun  
stockholm

// storage : 2014-12-22 XYZ.COM LLC  
storage

// store : 2015-04-09 DotStore Inc.  
store

// stream : 2016-01-08 dot Stream Limited  
stream

// studio : 2015-02-11 Dog Beach, LLC  
studio

// study : 2014-12-11 OPEN UNIVERSITIES AUSTRALIA PTY LTD  
study

// style : 2014-12-04 Binky Moon, LLC  
style

// sucks : 2014-12-22 Vox Populi Registry Ltd.

sucks

// supplies : 2013-12-19 Binky Moon, LLC  
supplies

// supply : 2013-12-19 Binky Moon, LLC  
supply

// support : 2013-10-24 Binky Moon, LLC  
support

// surf : 2014-01-09 Minds + Machines  
Group Limited  
surf

// surgery : 2014-03-20 Binky Moon, LLC  
surgery

// suzuki : 2014-02-20 SUZUKI MOTOR CORPORATION  
suzuki

// swatch : 2015-01-08 The Swatch Group Ltd  
swatch

// swiftcover : 2015-07-23 Swiftcover Insurance Services Limited  
swiftcover

// swiss : 2014-10-16 Swiss Confederation  
swiss

// sydney : 2014-09-18 State of New South Wales, Department of Premier and Cabinet  
sydney

// systems : 2013-11-07 Binky Moon, LLC  
systems

// tab : 2014-12-04 Tabcorp Holdings Limited  
tab

// taipei : 2014-07-10 Taipei City Government  
taipei

// talk : 2015-04-09 Amazon Registry Services, Inc.  
talk

// taobao : 2015-01-15 Alibaba Group Holding Limited  
taobao

// target : 2015-07-31 Target Domain Holdings, LLC  
target

// tatamotors : 2015-03-12 Tata Motors Ltd  
tatamotors

// tatar : 2014-04-24 Limited Liability Company "Coordination Center of Regional Domain of Tatarstan Republic"  
tatar

// tattoo : 2013-08-30 UNR Corp.  
tattoo

// tax : 2014-03-20 Binky Moon, LLC  
tax

// taxi : 2015-03-19  
Binky Moon, LLC  
taxi

// tci : 2014-09-12 Asia Green IT System Bilgisayar San. ve Tic. Ltd. Sti.  
tci

// tdk : 2015-06-11 TDK Corporation  
tdk

// team : 2015-03-05 Binky Moon, LLC  
team

// tech : 2015-01-30 Personals TLD Inc.  
tech

// technology : 2013-09-13 Binky Moon, LLC  
technology

// temasek : 2014-08-07 Temasek Holdings (Private) Limited  
temasek

// tennis : 2014-12-04 Binky Moon, LLC  
tennis

// teva : 2015-07-02 Teva Pharmaceutical Industries Limited  
teva

// thd : 2015-04-02 Home Depot Product Authority, LLC  
thd

// theater : 2015-03-19 Binky Moon, LLC  
theater

// theatre : 2015-05-07 XYZ.COM LLC

theatre

// tiaa : 2015-07-23 Teachers Insurance and Annuity Association of America

tiaa

// tickets : 2015-02-05 Accent Media Limited

tickets

// tienda : 2013-11-14 Binky Moon, LLC

tienda

// tiffany : 2015-01-30 Tiffany and Company

tiffany

// tips : 2013-09-20 Binky Moon, LLC

tips

// tires : 2014-11-07 Binky Moon, LLC

tires

// tirol : 2014-04-24 punkt Tirol GmbH

tirol

//

tjmaxx : 2015-07-16 The TJX Companies, Inc.

tjmaxx

// tjsx : 2015-07-16 The TJX Companies, Inc.

tjsx

// tkmaxx : 2015-07-16 The TJX Companies, Inc.

tkmaxx

// tmall : 2015-01-15 Alibaba Group Holding Limited

tmall

// today : 2013-09-20 Binky Moon, LLC

today

// tokyo : 2013-11-13 GMO Registry, Inc.

tokyo

// tools : 2013-11-21 Binky Moon, LLC

tools

// top : 2014-03-20 .TOP Registry

top

// toray : 2014-12-18 Toray Industries, Inc.

toray

// toshiba : 2014-04-10 TOSHIBA Corporation

toshiba

// total : 2015-08-06 Total SA

total

// tours : 2015-01-22 Binky Moon, LLC

tours

// town : 2014-03-06 Binky Moon, LLC

town

// toyota : 2015-04-23 TOYOTA MOTOR CORPORATION

toyota

// toys : 2014-03-06 Binky Moon, LLC

toys

// trade : 2014-01-23 Elite Registry Limited

trade

// trading : 2014-12-11 Dottrading Registry Limited

trading

// training : 2013-11-07 Binky Moon, LLC

training

// travel : 2015-10-09 Dog Beach, LLC

travel

// travelchannel : 2015-07-02 Lifestyle Domain Holdings, Inc.

travelchannel

//

travelers : 2015-03-26 Travelers TLD, LLC

travelers

// travelersinsurance : 2015-03-26 Travelers TLD, LLC

travelersinsurance

// trust : 2014-10-16 NCC Group Domain Services, Inc.

trust

// trv : 2015-03-26 Travelers TLD, LLC  
trv

// tube : 2015-06-11 Latin American Telecom LLC  
tube

// tui : 2014-07-03 TUI AG  
tui

// tunes : 2015-02-26 Amazon Registry Services, Inc.  
tunes

// tushu : 2014-12-18 Amazon Registry Services, Inc.  
tushu

// tvs : 2015-02-19 T V SUNDRAM IYENGAR & SONS LIMITED  
tvs

// ubank : 2015-08-20 National Australia Bank Limited  
ubank

// ubs : 2014-12-11 UBS AG  
ubs

// unicom : 2015-10-15 China United Network Communications Corporation Limited  
unicom

// university : 2014-03-06 Binky Moon, LLC  
university

// uno : 2013-09-11 DotSite Inc.  
uno

// uol : 2014-05-01 UBN INTERNET LTDA.  
uol

// ups : 2015-06-25 UPS Market Driver, Inc.  
ups

// vacations : 2013-12-05 Binky Moon, LLC  
vacations

// vana : 2014-12-11 Lifestyle Domain Holdings, Inc.  
vana

// vanguard  
: 2015-09-03 The Vanguard Group, Inc.  
vanguard

// vegas : 2014-01-16 Dot Vegas, Inc.

vegas

// ventures : 2013-08-27 Binky Moon, LLC

ventures

// verisign : 2015-08-13 VeriSign, Inc.

verisign

// versicherung : 2014-03-20 tldbox GmbH

versicherung

// vet : 2014-03-06 Dog Beach, LLC

vet

// viajes : 2013-10-17 Binky Moon, LLC

viajes

// video : 2014-10-16 Dog Beach, LLC

video

// vig : 2015-05-14 VIENNA INSURANCE GROUP AG Wiener Versicherung Gruppe

vig

// viking : 2015-04-02 Viking River Cruises (Bermuda) Ltd.

viking

// villas : 2013-12-05 Binky Moon, LLC

villas

// vin : 2015-06-18 Binky Moon, LLC

vin

// vip : 2015-01-22 Minds + Machines Group Limited

vip

// virgin : 2014-09-25 Virgin Enterprises Limited

virgin

// visa : 2015-07-30 Visa Worldwide Pte. Limited

visa

// vision : 2013-12-05 Binky Moon, LLC

vision

// viva : 2014-11-07 Saudi Telecom Company

viva

// vivo : 2015-07-31 Telefonica Brasil S.A.  
vivo

// vlaanderen : 2014-02-06 DNS.be vzw  
vlaanderen

// vodka : 2013-12-19  
Minds + Machines Group Limited  
vodka

// volkswagen : 2015-05-14 Volkswagen Group of America Inc.  
volkswagen

// volvo : 2015-11-12 Volvo Holding Sverige Aktiebolag  
volvo

// vote : 2013-11-21 Monolith Registry LLC  
vote

// voting : 2013-11-13 Valuetainment Corp.  
voting

// voto : 2013-11-21 Monolith Registry LLC  
voto

// voyage : 2013-08-27 Binky Moon, LLC  
voyage

// vuelos : 2015-03-05 Travel Reservations SRL  
vuelos

// wales : 2014-05-08 Nominet UK  
wales

// walmart : 2015-07-31 Wal-Mart Stores, Inc.  
walmart

// walter : 2014-11-13 Sandvik AB  
walter

// wang : 2013-10-24 Zodiac Wang Limited  
wang

// wanggou : 2014-12-18 Amazon Registry Services, Inc.  
wanggou

// watch : 2013-11-14 Binky Moon, LLC



watch

// watches : 2014-12-22 Richemont DNS Inc.

watches

// weather : 2015-01-08 International Business Machines Corporation

weather

// weatherchannel : 2015-03-12 International Business Machines Corporation

weatherchannel

// webcam : 2014-01-23 dot Webcam Limited

webcam

// weber :

2015-06-04 Saint-Gobain Weber SA

weber

// website : 2014-04-03 DotWebsite Inc.

website

// wedding : 2014-04-24 Minds + Machines Group Limited

wedding

// weibo : 2015-03-05 Sina Corporation

weibo

// weir : 2015-01-29 Weir Group IP Limited

weir

// whoswho : 2014-02-20 Who's Who Registry

whoswho

// wien : 2013-10-28 punkt.wien GmbH

wien

// wiki : 2013-11-07 Top Level Design, LLC

wiki

// williamhill : 2014-03-13 William Hill Organization Limited

williamhill

// win : 2014-11-20 First Registry Limited

win

// windows : 2014-12-18 Microsoft Corporation

windows

// wine : 2015-06-18 Binky Moon, LLC  
wine

// winners : 2015-07-16 The TJX Companies, Inc.  
winners

// wme : 2014-02-13 William Morris Endeavor Entertainment, LLC  
wme

// wolterskluwer : 2015-08-06 Wolters Kluwer N.V.  
wolterskluwer

// woodside : 2015-07-09 Woodside Petroleum Limited  
woodside

// work : 2013-12-19 Minds + Machines Group Limited  
work

// works : 2013-11-14 Binky Moon, LLC  
works

// world : 2014-06-12 Binky Moon,  
LLC  
world

// wow : 2015-10-08 Amazon Registry Services, Inc.  
wow

// wtc : 2013-12-19 World Trade Centers Association, Inc.  
wtc

// wtf : 2014-03-06 Binky Moon, LLC  
wtf

// xbox : 2014-12-18 Microsoft Corporation  
xbox

// xerox : 2014-10-24 Xerox DNHC LLC  
xerox

// xfinity : 2015-07-09 Comcast IP Holdings I, LLC  
xfinity

// xihuan : 2015-01-08 Beijing Qihu Keji Co., Ltd.  
xihuan

// xin : 2014-12-11 Elegant Leader Limited  
xin

// xn--11b4c3d : 2015-01-15 VeriSign Sarl

// xn--1ck2e1b : 2015-02-26 Amazon Registry Services, Inc.

// xn--1qqw23a : 2014-01-09 Guangzhou YU Wei Information Technology Co., Ltd.

// xn--30rr7y : 2014-06-12 Excellent First Limited

// xn--3bst00m : 2013-09-13 Eagle Horizon Limited

// xn--3ds443g : 2013-09-08 TLD REGISTRY LIMITED OY

// xn--3oq18vl8pn36a : 2015-07-02 Volkswagen (China) Investment Co., Ltd.

// xn--3pxu8k : 2015-01-15 VeriSign Sarl

// xn--42c2d9a : 2015-01-15 VeriSign Sarl

// xn--45q11c : 2013-11-21 Zodiac Gemini  
Ltd

// xn--4gbrim : 2013-10-04 Fans TLD Limited

// xn--55qw42g : 2013-11-08 China Organizational Name Administration Center

// xn--55qx5d : 2013-11-14 China Internet Network Information Center (CNNIC)

// xn--5su34j936bgsg : 2015-09-03 ShangriLa International Hotel Management Limited

// xn--5tzm5g : 2014-12-22 Global Website TLD Asia Limited

// xn--6frz82g : 2013-09-23 Afiliias Limited

// xn--6qq986b3xl : 2013-09-13 Tycoon Treasure Limited

// xn--80adxhks : 2013-12-19 Foundation for Assistance for Internet Technologies and Infrastructure Development (FAITID)

// xn--80aqecdr1a : 2015-10-21 Pontificium Consilium de Communicationibus Socialibus (PCCS) (Pontifical Council for Social Communication)

// xn--80asehdb : 2013-07-14 CORE Association

// xn--80aswg : 2013-07-14 CORE Association

// xn--8y0a063a : 2015-03-26 China United Network Communications Corporation Limited

// xn--9dbq2a : 2015-01-15 VeriSign Sarl

//  
xn--9et52u : 2014-06-12 RISE VICTORY LIMITED

// xn--9krt00a : 2015-03-12 Sina Corporation

// xn--b4w605ferd : 2014-08-07 Temasek Holdings (Private) Limited

// xn--bck1b9a5dre4c : 2015-02-26 Amazon Registry Services, Inc.

// xn--c1avg : 2013-11-14 Public Interest Registry

// xn--c2br7g : 2015-01-15 VeriSign Sarl

// xn--cck2b3b : 2015-02-26 Amazon Registry Services, Inc.

// xn--cckwexetd : 2019-12-19 Amazon Registry Services, Inc.

// xn--cg4bki : 2013-09-27 SAMSUNG SDS CO., LTD

// xn--czr694b : 2014-01-16 Internet DotTrademark Organisation Limited

// xn--czrs0t : 2013-12-19 Binky Moon, LLC

// xn--czru2d : 2013-11-21 Zodiac Aquarius Limited

// xn--d1acj3b : 2013-11-20 The Foundation for Network Initiatives “The Smart Internet”

// xn--eckvdtc9d : 2014-12-18 Amazon Registry Services, Inc.

// xn--efvy88h : 2014-08-22 Guangzhou YU Wei Information Technology Co., Ltd.

// xn--fct429k : 2015-04-09 Amazon Registry Services,  
Inc.

// xn--fhbei : 2015-01-15 VeriSign Sarl

// xn--fiq228c5hs : 2013-09-08 TLD REGISTRY LIMITED OY

// xn--fiq64b : 2013-10-14 CITIC Group Corporation

// xn--fjq720a : 2014-05-22 Binky Moon, LLC

// xn--flw351e : 2014-07-31 Charleston Road Registry Inc.

// xn--fzys8d69uvgm : 2015-05-14 PCCW Enterprises Limited

// xn--g2xx48c : 2015-01-30 Nawang Heli(Xiamen) Network Service Co., LTD.

// xn--gckr3f0f : 2015-02-26 Amazon Registry Services, Inc.

// xn--gk3at1e : 2015-10-08 Amazon Registry Services, Inc.

// xn--hxt814e : 2014-05-15 Zodiac Taurus Limited

// xn--i1b6b1a6a2e : 2013-11-14 Public Interest Registry

// xn--imr513n : 2014-12-11 Internet DotTrademark Organisation Limited

// xn--io0a7i : 2013-11-14 China Internet Network Information Center (CNNIC)

// xn--j1aef : 2015-01-15 VeriSign Sarl

// xn--jlq480n2rg : 2019-12-19 Amazon Registry Services, Inc.

// xn--jlq61u9w7b : 2015-01-08 Nokia Corporation

// xn--jvr189m  
: 2015-02-26 Amazon Registry Services, Inc.

// xn--kcrx77d1x4a : 2014-11-07 Koninklijke Philips N.V.

// xn--kput3i : 2014-02-13 Beijing RITT-Net Technology Development Co., Ltd

// xn--mgb3a3ajt : 2014-11-20 Aramco Services Company

// xn--mgb7c0bbn0a : 2015-05-14 Crescent Holding GmbH

// xn--mgbakc7dvf : 2015-09-03 Emirates Telecommunications Corporation (trading as Etisalat)

// xn--mgbab2bd : 2013-10-31 CORE Association

// xn--mgbca7dzdo : 2015-07-30 Abu Dhabi Systems and Information Centre

// xn--mgbi4ecexp : 2015-10-21 Pontificium Consilium de Communicationibus Socialibus (PCCS) (Pontifical Council for Social Communication)

// xn--mgbt3dhd : 2014-09-04 Asia Green IT System Bilgisayar San. ve Tic. Ltd. Sti.

// xn--mk1bu44c : 2015-01-15 VeriSign Sarl

// xn--mxtq1m : 2014-03-06 Net-Chinese Co., Ltd.

// xn--ngbc5azd : 2013-07-13 International Domain Registry Pty. Ltd.

// xn--ngbe9e0a : 2014-12-04  
Kuwait Finance House

// xn--ngbrx : 2015-11-12 League of Arab States

// xn--nqv7f : 2013-11-14 Public Interest Registry

// xn--nqv7fs00ema : 2013-11-14 Public Interest Registry

// xn--nyqy26a : 2014-11-07 Stable Tone Limited

// xn--otu796d : 2017-08-06 Jiang Yu Liang Cai Technology Company Limited

// xn--p1acf : 2013-12-12 Rusnames Limited

// xn--pssy2u : 2015-01-15 VeriSign Sarl

// xn--q9jyb4c : 2013-09-17 Charleston Road Registry Inc.

// xn--qcka1pmc : 2014-07-31 Charleston Road Registry Inc.

// xn--rhqv96g : 2013-09-11 Stable Tone Limited

// xn--rovu88b : 2015-02-26 Amazon Registry Services, Inc.

// xn--ses554g : 2014-01-16 KNET Co., Ltd.

// xn--t60b56a : 2015-01-15 VeriSign Sarl

// xn--tckwe : 2015-01-15 VeriSign Sarl

// xn--tiq49xqyj : 2015-10-21 Pontificium Consilium de Communicationibus Socialibus (PCCS) (Pontifical Council for Social Communication)

// xn--unup4y : 2013-07-14 Binky Moon, LLC

// xn--vermogensberater-ctb  
: 2014-06-23 Deutsche Vermögensberatung Aktiengesellschaft DVAG  
vermogensberater

// xn--vermogensberatung-pwb : 2014-06-23 Deutsche Vermögensberatung Aktiengesellschaft DVAG  
vermogensberatung

// xn--vhquv : 2013-08-27 Binky Moon, LLC

// xn--vuq861b : 2014-10-16 Beijing Tele-info Network Technology Co., Ltd.

// xn--w4r85e18fhu5dnra : 2015-04-30 Kerry Trading Co. Limited

// xn--w4rs40l : 2015-07-30 Kerry Trading Co. Limited

// xn--xhq521b : 2013-11-14 Guangzhou YU Wei Information Technology Co., Ltd.

// xn--zfr164b : 2013-11-08 China Organizational Name Administration Center



// xyz : 2013-12-05 XYZ.COM LLC  
xyz

// yachts : 2014-01-09 XYZ.COM LLC  
yachts

// yahoo : 2015-04-02 Yahoo! Domain Services Inc.  
yahoo

// yamaxun : 2014-12-18 Amazon Registry Services, Inc.  
yamaxun

// yandex : 2014-04-10 Yandex Europe B.V.  
yandex

// yodobashi : 2014-11-20 YODOBASHI CAMERA CO.,LTD.  
yodobashi

// yoga : 2014-05-29 Minds + Machines Group Limited  
yoga

//  
yokohama : 2013-12-12 GMO Registry, Inc.  
yokohama

// you : 2015-04-09 Amazon Registry Services, Inc.  
you

// youtube : 2014-05-01 Charleston Road Registry Inc.  
youtube

// yun : 2015-01-08 Beijing Qihu Keji Co., Ltd.  
yun

// zappos : 2015-06-25 Amazon Registry Services, Inc.  
zappos

// zara : 2014-11-07 Industria de Diseño Textil, S.A. (INDITEX, S.A.)  
zara

// zero : 2014-12-18 Amazon Registry Services, Inc.  
zero

// zip : 2014-05-08 Charleston Road Registry Inc.  
zip

```
// zone : 2013-11-14 Binky Moon, LLC
zone

// zuerich : 2014-11-07 Kanton Zürich (Canton of Zurich)
zuerich

// ===END ICANN DOMAINS===
// ===BEGIN PRIVATE DOMAINS===
// (Note: these are in alphabetical order by company name)

// 1GB LLC : https://www.1gb.ua/
// Submitted by 1GB LLC <noc@1gb.com.ua>
cc.ua
inf.ua
ltd.ua

// 611coin : https://611project.org/
611.to

// Adobe : https://www.adobe.com/
// Submitted by Ian Boston <boston@adobe.com>
adobeaecloud.com
adobeaecloud.net
*.dev.adobeaecloud.com

// Agnat sp. z o.o.
: https://domena.pl
// Submitted by Przemyslaw Plewa <it-admin@domena.pl>
beep.pl

// alboto.ca : http://alboto.ca
// Submitted by Anton Avramov <avramov@alboto.ca>
barsy.ca

// Alces Software Ltd : http://alces-software.com
// Submitted by Mark J. Titorenko <mark.titorenko@alces-software.com>
*.compute.estate
*.alces.network

// all-inkl.com : https://all-inkl.com
// Submitted by Werner Kaltofen <wk@all-inkl.com>
kasserver.com

// Altervista: https://www.altervista.org
// Submitted by Carlo Cannas <tech_staff@altervista.it>
altervista.org
```

```
// alwaysdata : https://www.alwaysdata.com
// Submitted by Cyril <admin@alwaysdata.com>
alwaysdata.net

// Amazon CloudFront : https://aws.amazon.com/cloudfront/
// Submitted by Donovan Miller <donavanm@amazon.com>
cloudfront.net

// Amazon Elastic Compute Cloud : https://aws.amazon.com/ec2/
// Submitted by Luke Wells <psl-maintainers@amazon.com>
*.compute.amazonaws.com
*.compute-1.amazonaws.com
*.compute.amazonaws.com.cn
us-east-1.amazonaws.com

//
Amazon Elastic Beanstalk : https://aws.amazon.com/elasticbeanstalk/
// Submitted by Luke Wells <psl-maintainers@amazon.com>
cn-north-1.eb.amazonaws.com.cn
cn-northwest-1.eb.amazonaws.com.cn
elasticbeanstalk.com
ap-northeast-1.elasticbeanstalk.com
ap-northeast-2.elasticbeanstalk.com
ap-northeast-3.elasticbeanstalk.com
ap-south-1.elasticbeanstalk.com
ap-southeast-1.elasticbeanstalk.com
ap-southeast-2.elasticbeanstalk.com
ca-central-1.elasticbeanstalk.com
eu-central-1.elasticbeanstalk.com
eu-west-1.elasticbeanstalk.com
eu-west-2.elasticbeanstalk.com
eu-west-3.elasticbeanstalk.com
sa-east-1.elasticbeanstalk.com
us-east-1.elasticbeanstalk.com
us-east-2.elasticbeanstalk.com
us-gov-west-1.elasticbeanstalk.com
us-west-1.elasticbeanstalk.com
us-west-2.elasticbeanstalk.com

// Amazon Elastic Load Balancing : https://aws.amazon.com/elasticloadbalancing/
// Submitted by Luke Wells <psl-maintainers@amazon.com>
*.elb.amazonaws.com
*.elb.amazonaws.com.cn

// Amazon S3 : https://aws.amazon.com/s3/
//
Submitted by Luke Wells <psl-maintainers@amazon.com>
s3.amazonaws.com
```

s3-ap-northeast-1.amazonaws.com  
s3-ap-northeast-2.amazonaws.com  
s3-ap-south-1.amazonaws.com  
s3-ap-southeast-1.amazonaws.com  
s3-ap-southeast-2.amazonaws.com  
s3-ca-central-1.amazonaws.com  
s3-eu-central-1.amazonaws.com  
s3-eu-west-1.amazonaws.com  
s3-eu-west-2.amazonaws.com  
s3-eu-west-3.amazonaws.com  
s3-external-1.amazonaws.com  
s3-fips-us-gov-west-1.amazonaws.com  
s3-sa-east-1.amazonaws.com  
s3-us-gov-west-1.amazonaws.com  
s3-us-east-2.amazonaws.com  
s3-us-west-1.amazonaws.com  
s3-us-west-2.amazonaws.com  
s3.ap-northeast-2.amazonaws.com  
s3.ap-south-1.amazonaws.com  
s3.cn-north-1.amazonaws.com.cn  
s3.ca-central-1.amazonaws.com  
s3.eu-central-1.amazonaws.com  
s3.eu-west-2.amazonaws.com  
s3.eu-west-3.amazonaws.com  
s3.us-east-2.amazonaws.com  
s3.dualstack.ap-northeast-1.amazonaws.com  
s3.dualstack.ap-northeast-2.amazonaws.com  
s3.dualstack.ap-south-1.amazonaws.com  
s3.dualstack.ap-southeast-1.amazonaws.com  
s3.dualstack.ap-southeast-2.amazonaws.com  
s3.dualstack.ca-central-1.amazonaws.com  
s3.dualstack.eu-central-1.amazonaws.com  
s3.dualstack.eu-west-1.amazonaws.com  
s3.dualstack.eu-west-2.amazonaws.com  
s3.dualstack.eu-west-3.amazonaws.com  
s3.dualstack.sa-east-1.amazonaws.com  
s3.dualstack.us-east-1.amazonaws.com  
s3.dualstack.us-east-2.amazonaws.com  
s3-website-us-east-1.amazonaws.com  
s3-website-us-west-1.amazonaws.com  
s3-website-us-west-2.amazonaws.com  
s3-website-ap-northeast-1.amazonaws.com  
s3-website-ap-southeast-1.amazonaws.com  
s3-website-ap-southeast-2.amazonaws.com  
s3-website-eu-west-1.amazonaws.com  
s3-website-sa-east-1.amazonaws.com  
s3-website-ap-northeast-2.amazonaws.com  
s3-website.ap-south-1.amazonaws.com

s3-website.ca-central-1.amazonaws.com  
s3-website.eu-central-1.amazonaws.com  
s3-website.eu-west-2.amazonaws.com  
s3-website.eu-west-3.amazonaws.com  
s3-website.us-east-2.amazonaws.com

//

Amsterdam Wireless: <https://www.amsterdamwireless.nl/>  
// Submitted by Imre Jonk <hostmaster@amsterdamwireless.nl>  
amsw.nl

// Amune

: <https://amune.org/>  
// Submitted by Team Amune <cert@amune.org>  
t3l3p0rt.net  
tele.amune.org

// Apigee : <https://apigee.com/>

// Submitted by Apigee Security Team <security@apigee.com>  
apigee.io

// Aptible : <https://www.aptible.com/>

// Submitted by Thomas Orozco <thomas@aptible.com>  
on-aptible.com

// ASEINet : <https://www.aseinet.com/>

// Submitted by Asei SEKIGUCHI <mail@aseinet.com>  
user.aseinet.ne.jp  
gv.vc  
d.gv.vc

// Asociación Amigos de la Informática "Euskalamiga" : <http://encounter.eus/>

// Submitted by Hector Martin <marcan@euskalencounter.org>  
user.party.eus

// Association potager.org : <https://potager.org/>

// Submitted by Lunar <jardiniers@potager.org>  
pimienta.org  
poivron.org  
potager.org  
sweetpepper.org

// ASUSTOR Inc. : <http://www.asustor.com>

// Submitted by Vincent Tseng <vincenttseng@asustor.com>  
myasustor.com

// AVM : <https://avm.de>

// Submitted by Andreas Weise <a.weise@avm.de>

myfritz.net

// AW AdvisorWebsites.com Software Inc : <https://advisorwebsites.com>

// Submitted

by James Kennedy <[domains@advisorwebsites.com](mailto:domains@advisorwebsites.com)>

\*.awdev.ca

\*.advisor.ws

// b-data GmbH : <https://www.b-data.io>

// Submitted by Olivier Benz <[olivier.benz@b-data.ch](mailto:olivier.benz@b-data.ch)>

b-data.io

// backplane : <https://www.backplane.io>

// Submitted by Anthony Voutas <[anthony@backplane.io](mailto:anthony@backplane.io)>

backplaneapp.io

// Balena : <https://www.balena.io>

// Submitted by Petros Angelatos <[petrosagg@balena.io](mailto:petrosagg@balena.io)>

balena-devices.com

// Banzai Cloud

// Submitted by Janos Matyas <[info@banzaicloud.com](mailto:info@banzaicloud.com)>

\*.banzai.cloud

app.banzaicloud.io

\*.backyards.banzaicloud.io

// BetaInABox

// Submitted by Adrian <[adrian@betainabox.com](mailto:adrian@betainabox.com)>

betainabox.com

// BinaryLane : <http://www.binarylane.com>

// Submitted by Nathan O'Sullivan <[nathan@mammoth.com.au](mailto:nathan@mammoth.com.au)>

bnr.la

// Blackbaud, Inc. : <https://www.blackbaud.com>

// Submitted by Paul Crowder <[paul.crowder@blackbaud.com](mailto:paul.crowder@blackbaud.com)>

blackbaudcdn.net

// Boomla : <https://boomla.com>

// Submitted by Tibor Halter <[thalter@boomla.com](mailto:thalter@boomla.com)>

boomla.net

// Boxfuse : <https://boxfuse.com>

// Submitted by Axel Fontaine <[axel@boxfuse.com](mailto:axel@boxfuse.com)>

boxfuse.io

//

bplaced : <https://www.bplaced.net/>  
// Submitted by Miroslav Bozic <security@bplaced.net>  
square7.ch  
bplaced.com  
bplaced.de  
square7.de  
bplaced.net  
square7.net

// BrowserSafetyMark  
// Submitted by Dave Tharp <browsersafetymark.io@quicinc.com>  
browsersafetymark.io

// Bytemark Hosting : <https://www.bytemark.co.uk>  
// Submitted by Paul Cammish <paul.cammish@bytemark.co.uk>  
uk0.bigv.io  
dh.bytemark.co.uk  
vm.bytemark.co.uk

// callidomus : <https://www.callidomus.com/>  
// Submitted by Marcus Popp <admin@callidomus.com>  
mycd.eu

// Carrd : <https://carrd.co>  
// Submitted by AJ <aj@carrd.co>  
carrd.co  
crd.co  
uwu.ai

// CentralNic : <http://www.centralnic.com/names/domains>  
// Submitted by registry <gavin.brown@centralnic.com>  
ae.org  
br.com  
cn.com  
com.de  
com.se  
de.com  
eu.com  
gb.net  
hu.net  
jp.net  
jpn.com  
mex.com  
ru.com  
sa.com  
se.net  
uk.com  
uk.net

us.com

za.bz

za.com

// No longer operated by CentralNic, these entries should be adopted and/or removed by current operators

//

Submitted by Gavin Brown <gavin.brown@centralnic.com>

ar.com

gb.com

hu.com

kr.com

no.com

qc.com

uy.com

// Africa.com Web Solutions Ltd : <https://registry.africa.com>

// Submitted by Gavin Brown <gavin.brown@centralnic.com>

africa.com

// iDOT Services Limited : <http://www.domain.gr.com>

// Submitted by Gavin Brown <gavin.brown@centralnic.com>

gr.com

// Radix FZC : <http://domains.in.net>

// Submitted by Gavin Brown <gavin.brown@centralnic.com>

in.net

web.in

// US REGISTRY LLC : <http://us.org>

// Submitted by Gavin Brown <gavin.brown@centralnic.com>

us.org

// co.com Registry, LLC : <https://registry.co.com>

// Submitted by Gavin Brown <gavin.brown@centralnic.com>

co.com

// Roar Domains LLC : <https://roar.basketball/>

// Submitted by Gavin Brown <gavin.brown@centralnic.com>

aus.basketball

nz.basketball

// BRS Media : <https://brsmedia.com/>

// Submitted by Gavin Brown <gavin.brown@centralnic.com>

radio.am

radio.fm

// Globe Hosting SRL : <https://www.globehosting.com/>

// Submitted by Gavin



Brown <gavin.brown@centralnic.com>

co.ro

shop.ro

// c.la : <http://www.c.la/>

c.la

// certmgr.org : <https://certmgr.org>

// Submitted by B. Blechschmidt <hostmaster@certmgr.org>

certmgr.org

// Citrix : <https://citrix.com>

// Submitted by Alex Stoddard <alex.stoddard@citrix.com>

xenapponazure.com

// Civilized Discourse Construction Kit, Inc. : <https://www.discourse.org/>

// Submitted by Rishabh Nambiar & Michael Brown <team@discourse.org>

discourse.group

discourse.team

// ClearVox : <http://www.clearvox.nl/>

// Submitted by Leon Rowland <leon@clearvox.nl>

virtueeldomein.nl

// Clever Cloud : <https://www.clever-cloud.com/>

// Submitted by Quentin Adam <noc@clever-cloud.com>

cleverapps.io

// Clerk : <https://www.clerk.dev>

// Submitted by Colin Sidoti <colin@clerk.dev>

\*.lcl.dev

\*.stg.dev

// Clic2000 : <https://clic2000.fr>

// Submitted by Mathilde Blanchemanche <mathilde@clic2000.fr>

clic2000.net

// Cloud66 : <https://www.cloud66.com/>

// Submitted by Khash Sajadi <khash@cloud66.com>

c66.me

cloud66.ws

cloud66.zone

//

CloudAccess.net : <https://www.cloudaccess.net/>

// Submitted by Pawel Panek <noc@cloudaccess.net>

jdevcloud.com

wpdevcloud.com

cloudaccess.host

freesite.host

cloudaccess.net

// cloudControl : <https://www.cloudcontrol.com/>

// Submitted by Tobias Wilken <tw@cloudcontrol.com>

cloudcontrolled.com

cloudcontrolapp.com

// Cloudera, Inc. : <https://www.cloudera.com/>

// Submitted by Philip Langdale <security@cloudera.com>

cloudera.site

// Cloudflare, Inc. : <https://www.cloudflare.com/>

// Submitted by Cloudflare Team <publicsuffixlist@cloudflare.com>

pages.dev

trycloudflare.com

workers.dev

// Clovyr : <https://clovyr.io>

// Submitted by Patrick Nielsen <patrick@clovyr.io>

wnext.app

// co.ca : <http://registry.co.ca/>

co.ca

// Co & Co : <https://co-co.nl/>

// Submitted by Govert Versluis <govert@co-co.nl>

\*.otap.co

// i-registry s.r.o. : <http://www.i-registry.cz/>

// Submitted by Martin Semrad <semrad@i-registry.cz>

co.cz

// CDN77.com : <http://www.cdn77.com>

// Submitted by

Jan Krpes <jan.krpes@cdn77.com>

c.cdn77.org

cdn77-ssl.net

r.cdn77.net

rsc.cdn77.org

ssl.origin.cdn77-secure.org

// Cloud DNS Ltd : <http://www.cloudns.net>

// Submitted by Aleksander Hristov <noc@cloudns.net>

cloudns.asia

cloudns.biz

cloudns.club

cloudns.cc  
cloudns.eu  
cloudns.in  
cloudns.info  
cloudns.org  
cloudns.pro  
cloudns.pw  
cloudns.us

// Cloudeity Inc : <https://cloudeity.com>  
// Submitted by Stefan Dimitrov <contact@cloudeity.com>  
cloudeity.net

// CNPY : <https://cnpv.gdn>  
// Submitted by Angelo Gladding <angelo@lahacker.net>  
cnpv.gdn

// CoDNS B.V.  
co.nl  
co.no

// Combell.com : <https://www.combell.com>  
// Submitted by Thomas Wouters <thomas.wouters@combellgroup.com>  
webhosting.be  
hosting-cluster.nl

// Coordination Center for TLD RU and XN--P1AI : [https://cctld.ru/en/domains/domens\\_ru/reserved/](https://cctld.ru/en/domains/domens_ru/reserved/)  
// Submitted by George Georgievsky <gug@cctld.ru>  
ac.ru  
edu.ru  
gov.ru  
int.ru  
mil.ru  
test.ru

// COSIMO GmbH : <http://www.cosimo.de>  
// Submitted by Rene Marticke <rmarticke@cosimo.de>  
dyn.cosidns.de  
dynamisches-dns.de  
dnsupdater.de  
internet-dns.de  
l-o-g-i-n.de  
dynamic-dns.info  
feste-ip.net  
knx-server.net  
static-access.net

//

Craynic, s.r.o. : <http://www.craynic.com/>  
// Submitted by Ales Krajnik <ales.krajnik@craynic.com>  
realm.cz

// Cryptonomic : <https://cryptonomic.net/>  
// Submitted by Andrew Cady <public-suffix-list@cryptonomic.net>  
\*.cryptonomic.net

// Cupcake : <https://cupcake.io/>  
// Submitted by Jonathan Rudenberg <jonathan@cupcake.io>  
cupcake.is

// Curv UG : <https://curv-labs.de/>  
// Submitted by Marvin Wiesner <Marvin@curv-labs.de>  
curv.dev

// Customer OCI - Oracle Dyn <https://cloud.oracle.com/home> <https://dyn.com/dns/>  
// Submitted by Gregory Drake <support@dyn.com>  
// Note: This is intended to also include customer-oci.com due to wildcards implicitly including the current label  
\*.customer-oci.com  
\*.oci.customer-oci.com  
\*.ocp.customer-oci.com  
\*.ocs.customer-oci.com

// cyon GmbH : <https://www.cyon.ch/>  
// Submitted by Dominic Luechinger <dol@cyon.ch>  
cyon.link  
cyon.site

//  
Danger Science Group: <https://dangerscience.com/>  
// Submitted by Skylar MacDonald <skylar@dangerscience.com>  
fnwk.site  
folionetwork.site  
platform0.app

// Daplie, Inc : <https://daplie.com>  
// Submitted by AJ ONeal <aj@daplie.com>  
daplie.me  
localhost.daplie.me

// Datto, Inc. : <https://www.datto.com/>  
// Submitted by Philipp Heckel <ph@datto.com>  
dattolocal.com  
dattorelay.com  
dattoweb.com  
mydatto.com  
dattolocal.net

mydatto.net

// Dansk.net : <http://www.dansk.net/>  
// Submitted by Anani Voule <digital@digital.co.dk>  
biz.dk  
co.dk  
firm.dk  
reg.dk  
store.dk

// dappnode.io : <https://dappnode.io/>  
// Submitted by Abel Boldu / DAppNode Team <community@dappnode.io>  
dyndns.dappnode.io

// dapps.earth : <https://dapps.earth/>  
// Submitted by Daniil Burdakov <icqkill@gmail.com>  
\*.dapps.earth  
\*.bzz.dapps.earth

// Dark, Inc. : <https://darklang.com>  
// Submitted by Paul Biggar <ops@darklang.com>  
builtwithdark.com

// Datawire, Inc : <https://www.datawire.io>  
// Submitted by Richard Li <secalert@datawire.io>  
edgestack.me

//  
Debian : <https://www.debian.org/>  
// Submitted by Peter Palfrader / Debian Sysadmin Team <dsa-publicsuffixlist@debian.org>  
debian.net

// deSEC : <https://desec.io/>  
// Submitted by Peter Thomassen <peter@desec.io>  
dedyn.io

// DNS Africa Ltd <https://dns.business>  
// Submitted by Calvin Browne <calvin@dns.business>  
jozi.biz

// DNSHome : <https://www.dnshome.de/>  
// Submitted by Norbert Auler <mail@dnshome.de>  
dnshome.de

// DotArai : <https://www.dotarai.com/>  
// Submitted by Atsadawat Netcharadsang <atsadawat@dotarai.co.th>  
online.th  
shop.th

```
// DrayTek Corp. : https://www.draytek.com/
// Submitted by Paul Fang <mis@draytek.com>
drayddns.com

// DreamHost : http://www.dreamhost.com/
// Submitted by Andrew Farmer <andrew.farmer@dreamhost.com>
dreamhosters.com

// Drobo : http://www.drobo.com/
// Submitted by Ricardo Padilha <rpadilha@drobo.com>
mydrobo.com

// Drud Holdings, LLC. : https://www.drud.com/
// Submitted by Kevin Bridges <kevin@drud.com>
drud.io
drud.us

//
// DuckDNS : http://www.duckdns.org/
// Submitted by Richard Harper <richard@duckdns.org>
duckdns.org

// Bip : https://bip.sh
// Submitted by Joel Kennedy <joel@bip.sh>
bip.sh

// bitbridge.net : Submitted by Craig Welch, abeliidev@gmail.com
bitbridge.net

// dy.fi : http://dy.fi/
// Submitted by Heikki Hannikainen <hessu@hes.iki.fi>
dy.fi
tunk.org

// DynDNS.com : http://www.dyndns.com/services/dns/dyndns/
dyndns-at-home.com
dyndns-at-work.com
dyndns-blog.com
dyndns-free.com
dyndns-home.com
dyndns-ip.com
dyndns-mail.com
dyndns-office.com
dyndns-pics.com
dyndns-remote.com
dyndns-server.com
dyndns-web.com
```

dyndns-wiki.com  
dyndns-work.com  
dyndns.biz  
dyndns.info  
dyndns.org  
dyndns.tv  
at-band-camp.net  
ath.cx  
barrel-of-knowledge.info  
barrell-of-knowledge.info  
better-than.tv  
blogdns.com  
blogdns.net  
blogdns.org  
blogsite.org  
boldlygoingnowhere.org  
broke-it.net  
buyshouses.net  
cechire.com  
dnsalias.com  
dnsalias.net  
dnsalias.org  
dnsdojo.com  
dnsdojo.net  
dnsdojo.org  
does-it.net  
doestexist.com  
doestexist.org  
dontexist.com  
dontexist.net  
dontexist.org  
doomdns.com  
doomdns.org  
dvrDNS.org  
dyn-o-saur.com  
dynalias.com  
dynalias.net  
dynalias.org  
dynathome.net  
dyndns.ws  
endofinternet.net  
endofinternet.org  
endoftheinternet.org  
est-a-la-maison.com  
est-a-la-masion.com  
est-le-patron.com  
est-mon-blogueur.com  
for-better.biz

for-more.biz  
for-our.info  
for-some.biz  
for-the.biz  
forgot.her.name  
forgot.his.name  
from-ak.com  
from-al.com  
from-ar.com  
from-az.net  
from-ca.com  
from-co.net  
from-ct.com  
from-dc.com  
from-de.com  
from-fl.com  
from-ga.com  
from-hi.com  
from-ia.com  
from-id.com  
from-il.com  
from-in.com  
from-ks.com  
from-ky.com  
from-la.net  
from-ma.com  
from-md.com  
from-me.org  
from-mi.com  
from-mn.com  
from-mo.com  
from-ms.com  
from-mt.com  
from-nc.com  
from-nd.com  
from-ne.com  
from-nh.com  
from-nj.com  
from-nm.com  
from-nv.com  
from-ny.net  
from-oh.com  
from-ok.com  
from-or.com  
from-pa.com  
from-pr.com  
from-ri.com  
from-sc.com



from-sd.com  
from-tn.com  
from-tx.com  
from-ut.com  
from-va.com  
from-vt.com  
from-wa.com  
from-wi.com  
from-wv.com  
from-wy.com  
ftpaccess.cc  
fuettertdasnetz.de  
game-host.org  
game-server.cc  
getmyip.com  
gets-it.net  
go.dyndns.org  
gotdns.com  
gotdns.org  
groks-the.info  
groks-this.info  
ham-radio-op.net  
here-for-more.info  
hobby-site.com  
hobby-site.org  
home.dyndns.org  
homedns.org  
homeftp.net  
homeftp.org  
homeip.net  
homelinux.com  
homelinux.net  
homelinux.org  
homeunix.com  
homeunix.net  
homeunix.org  
iamallama.com  
in-the-band.net  
is-a-anarchist.com  
is-a-blogger.com  
is-a-bookkeeper.com  
is-a-bruinsfan.org  
is-a-bulls-fan.com  
is-a-candidate.org  
is-a-caterer.com  
is-a-celticsfan.org  
is-a-chef.com  
is-a-chef.net

is-a-chef.org  
is-a-conservative.com  
is-a-cpa.com  
is-a-cubicle-slave.com  
is-a-democrat.com  
is-a-designer.com  
is-a-doctor.com  
is-a-financialadvisor.com  
is-a-geek.com  
is-a-geek.net  
is-a-geek.org  
is-a-green.com  
is-a-guru.com  
is-a-hard-worker.com  
is-a-hunter.com  
is-a-knight.org  
is-a-landscaper.com  
is-a-lawyer.com  
is-a-liberal.com  
is-a-libertarian.com  
is-a-linux-user.org  
is-a-llama.com  
is-a-musician.com  
is-a-nascarfan.com  
is-a-nurse.com  
is-a-painter.com  
is-a-patsfan.org  
is-a-personaltrainer.com  
is-a-photographer.com  
is-a-player.com  
is-a-republican.com  
is-a-rockstar.com  
is-a-socialist.com  
is-a-soxfan.org  
is-a-student.com  
is-a-teacher.com  
is-a-techie.com  
is-a-therapist.com  
is-an-accountant.com  
is-an-actor.com  
is-an-actress.com  
is-an-anarchist.com  
is-an-artist.com  
is-an-engineer.com  
is-an-entertainer.com  
is-by.us  
is-certified.com  
is-found.org

is-gone.com  
is-into-anime.com  
is-into-cars.com  
is-into-cartoons.com  
is-into-games.com  
is-leet.com  
is-lost.org  
is-not-certified.com  
is-saved.org  
is-slick.com  
is-uberleet.com  
is-very-bad.org  
is-very-evil.org  
is-very-good.org  
is-very-nice.org  
is-very-sweet.org  
is-with-theband.com  
isa-geek.com  
isa-geek.net  
isa-geek.org  
isa-hockeynut.com  
issmarterthanyou.com  
isteingeek.de  
istmein.de  
kicks-ass.net  
kicks-ass.org  
knowsitall.info  
land-4-sale.us  
lebtimnetz.de  
leitungen.de  
likes-pie.com  
likescandy.com  
merseine.nu  
mine.nu  
misconfused.org  
mypets.ws  
myphotos.cc  
neat-url.com  
office-on-the.net  
on-the-web.tv  
podzone.net  
podzone.org  
readmyblog.org  
saves-the-whales.com  
scrapper-site.net  
scrapping.cc  
selfip.biz  
selfip.com

selfip.info  
selfip.net  
selfip.org  
sells-for-less.com  
sells-for-u.com  
sells-it.net  
sellsyourhome.org  
servebbs.com  
servebbs.net  
servebbs.org  
serveftp.net  
serveftp.org  
servegame.org  
shacknet.nu  
simple-url.com  
space-to-rent.com  
stuff-4-sale.org  
stuff-4-sale.us  
teaches-yoga.com  
thruhere.net  
traeumtgerade.de  
webhop.biz  
webhop.info  
webhop.net  
webhop.org  
worse-than.tv  
writesthisblog.com

//

ddnss.de : <https://www.ddnss.de/>

// Submitted by Robert Niedziela <webmaster@ddnss.de>

ddnss.de

dyn.ddnss.de

dyndns.ddnss.de

dyndns1.de

dyn-ip24.de

home-webserver.de

dyn.home-webserver.de

myhome-server.de

ddnss.org

// Definima : <http://www.definima.com/>

// Submitted by Maxence Bitterli <maxence@definima.com>

definima.net

definima.io

// dnstrace.pro : <https://dnstrace.pro/>

// Submitted by Chris Partridge <chris@partridge.tech>

bci.dnstrace.pro

// Dynu.com

: <https://www.dynu.com/>

// Submitted by Sue Ye <sue@dynu.com>

ddnsfree.com

ddnsgeek.com

giize.com

gleeze.com

kozow.com

loseyourip.com

ooguy.com

theworkpc.com

casacam.net

dynu.net

accesscam.org

camdvr.org

freeddns.org

mywire.org

webredirect.org

myddns.rocks

blogsite.xyz

// dynv6 : <https://dynv6.com>

// Submitted by Dominik Menke <dom@digineo.de>

dynv6.net

// E4YOU spol. s.r.o. : <https://e4you.cz/>

// Submitted by Vladimir Dudr <info@e4you.cz>

e4.cz

// En root : <https://en-root.org>

// Submitted by Emmanuel Raviart <emmanuel@raviart.com>

en-root.fr

// Enalean SAS: <https://www.enalean.com>

// Submitted by Thomas Cottier <thomas.cottier@enalean.com>

mytuleap.com

// ECG Robotics, Inc: <https://ecgrobotics.org>

// Submitted by <frc1533@ecgrobotics.org>

onred.one

staging.onred.one

// One.com: <https://www.one.com/>

// Submitted by Jacob Bunk Nielsen <jbn@one.com>

service.one

// Enonic : <http://enonic.com/>  
// Submitted by Erik Kaareng-Sunde <esu@enonic.com>  
enonic.io  
customer.enonic.io

// EU.org  
<https://eu.org/>  
// Submitted by Pierre Beyssac <hostmaster@eu.org>  
eu.org  
al.eu.org  
asso.eu.org  
at.eu.org  
au.eu.org  
be.eu.org  
bg.eu.org  
ca.eu.org  
cd.eu.org  
ch.eu.org  
cn.eu.org  
cy.eu.org  
cz.eu.org  
de.eu.org  
dk.eu.org  
edu.eu.org  
ee.eu.org  
es.eu.org  
fi.eu.org  
fr.eu.org  
gr.eu.org  
hr.eu.org  
hu.eu.org  
ie.eu.org  
il.eu.org  
in.eu.org  
int.eu.org  
is.eu.org  
it.eu.org  
jp.eu.org  
kr.eu.org  
lt.eu.org  
lu.eu.org  
lv.eu.org  
mc.eu.org  
me.eu.org  
mk.eu.org  
mt.eu.org  
my.eu.org  
net.eu.org

ng.eu.org  
nl.eu.org  
no.eu.org  
nz.eu.org  
paris.eu.org  
pl.eu.org  
pt.eu.org  
q-a.eu.org  
ro.eu.org  
ru.eu.org  
se.eu.org  
si.eu.org  
sk.eu.org  
tr.eu.org  
uk.eu.org  
us.eu.org

// Evennode : <http://www.evennode.com/>  
// Submitted by Michal Kralik <support@evennode.com>  
eu-1.evennode.com  
eu-2.evennode.com  
eu-3.evennode.com  
eu-4.evennode.com  
us-1.evennode.com  
us-2.evennode.com  
us-3.evennode.com  
us-4.evennode.com

// eDirect Corp. : <https://hosting.url.com.tw/>  
// Submitted by C.S. chang <cschang@corp.url.com.tw>  
twmail.cc  
twmail.net  
twmail.org  
mymailer.com.tw  
url.tw

//  
Fabrica Technologies, Inc. : <https://www.fabrica.dev/>  
// Submitted by Eric Jiang <eric@fabrica.dev>  
onfabrica.com

// Facebook, Inc.  
// Submitted by Peter Ruibal <public-suffix@fb.com>  
apps.fsbx.com

// FAITID : <https://faitid.org/>  
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// [https://www.flexireg.net/stat\\_info](https://www.flexireg.net/stat_info)

ru.net  
adygeya.ru  
bashkiria.ru  
bir.ru  
cbg.ru  
com.ru  
dagestan.ru  
grozny.ru  
kalmykia.ru  
kustanai.ru  
marine.ru  
mordovia.ru  
msk.ru  
mytis.ru  
nalchik.ru  
nov.ru  
pyatigorsk.ru  
spb.ru  
vladikavkaz.ru  
vladimir.ru  
abkhazia.su  
adygeya.su  
aktyubinsk.su  
arkhangelsk.su  
armenia.su  
ashgabad.su  
azerbaijan.su  
balashov.su  
bashkiria.su  
bryansk.su  
bukhara.su  
chimkent.su  
dagestan.su  
east-kazakhstan.su  
exnet.su  
georgia.su  
grozny.su  
ivanovo.su  
jambyl.su  
kalmykia.su  
kaluga.su  
karacol.su  
karaganda.su  
karelia.su  
khakassia.su  
krasnodar.su  
kurgan.su  
kustanai.su



lenug.su  
mangyshlak.su  
mordovia.su  
msk.su  
murmansk.su  
nalchik.su  
navoi.su  
north-kazakhstan.su  
nov.su  
obninsk.su  
penza.su  
pokrovsk.su  
sochi.su  
spb.su  
tashkent.su  
termez.su  
togliatti.su  
troitsk.su  
tselinograd.su  
tula.su  
tuva.su  
vladikavkaz.su  
vladimir.su  
vologda.su

//

Fancy Bits, LLC : <http://getchannels.com>  
// Submitted by Aman Gupta <[aman@getchannels.com](mailto:aman@getchannels.com)>  
channelsdvr.net  
u.channelsdvr.net

// Fastly Inc. : <http://www.fastly.com/>  
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fastly-terrarium.com  
fastlylb.net  
map.fastlylb.net  
freetls.fastly.net  
map.fastly.net  
a.prod.fastly.net  
global.prod.fastly.net  
a.ssl.fastly.net  
b.ssl.fastly.net  
global.ssl.fastly.net

// FASTVPS EESTI OU : <https://fastvps.ru/>  
// Submitted by Likhachev Vasilij <[lihachev@fastvps.ru](mailto:lihachev@fastvps.ru)>  
fastvps-server.com  
fastvps.host

myfast.host  
fastvps.site  
myfast.space

// Featherhead : <https://featherhead.xyz/>  
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fhapp.xyz

// Fedora : <https://fedoraproject.org/>  
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fedorainfracloud.org  
fedorapeople.org  
cloud.fedoraproject.org  
app.os.fedoraproject.org  
app.os.stg.fedoraproject.org

//  
FearWorks Media Ltd. : <https://fearworksmedia.co.uk>  
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conn.uk  
copro.uk  
couk.me  
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// Fermax : <https://fermax.com/>  
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mydobiss.com

// Filegear Inc. : <https://www.filegear.com>  
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filegear.me  
filegear-au.me  
filegear-de.me  
filegear-gb.me  
filegear-ie.me  
filegear-jp.me  
filegear-sg.me

// Firebase, Inc.  
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firebaseapp.com

// fly.io: <https://fly.io>  
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fly.dev  
edgeapp.net  
shw.io

// Flynn : <https://flynn.io>  
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flynnhosting.net

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0e.vc

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freebox-os.com  
freeboxos.com  
fbx-os.fr  
fbxos.fr  
freebox-os.fr  
freeboxos.fr

//  
freedesktop.org : <https://www.freedesktop.org>  
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freedesktop.org

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// Futureweb OG : <http://www.futureweb.at>  
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\*.futurecms.at  
\*.ex.futurecms.at  
\*.in.futurecms.at  
futurehosting.at  
futuremailing.at  
\*.ex.ortsinfo.at  
\*.kunden.ortsinfo.at  
\*.statics.cloud

// GDS : <https://www.gov.uk/service-manual/operations/operating-servicegovuk-subdomains>  
// Submitted by David Illsley <[david.illsley@digital.cabinet-office.gov.uk](mailto:david.illsley@digital.cabinet-office.gov.uk)>  
service.gov.uk

// Gehirn Inc. : <https://www.gehirn.co.jp/>  
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gehirn.ne.jp  
usercontent.jp

// Gentlent, Inc. : <https://www.gentlent.com>  
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gentapps.com  
gententapis.com  
lab.ms  
cdn-edges.net

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GitHub, Inc.

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github.io  
githubusercontent.com

// GitLab, Inc.

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gitlab.io

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gitapp.si  
gitpage.si

// Glitch, Inc : <https://glitch.com>

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glitch.me

// GMO Pepabo, Inc. : <https://pepabo.com/>

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lolipop.io

// GOV.UK Platform as a Service : <https://www.cloud.service.gov.uk/>

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cloudapps.digital  
london.cloudapps.digital

// GOV.UK Pay : <https://www.payments.service.gov.uk/>

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pymnt.uk

// UKHomeOffice : <https://www.gov.uk/government/organisations/home-office>

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// GlobeHosting,

Inc.

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ro.im

// GoIP DNS Services : <http://www.goip.de>

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run.app

a.run.app

web.app

\*.0emm.com

appspot.com

\*.r.appspot.com

codespot.com

googleapis.com

googlecode.com

pagespeedmobilizer.com

publishproxy.com

withgoogle.com

withyoutube.com

\*.gateway.dev

cloud.goog

translate.goog

cloudfunctions.net

blogspot.ae

blogspot.al

blogspot.am

blogspot.ba

blogspot.be

blogspot.bg

blogspot.bj

blogspot.ca

blogspot.cf

blogspot.ch

blogspot.cl

blogspot.co.at

blogspot.co.id

blogspot.co.il

blogspot.co.ke

blogspot.co.nz

blogspot.co.uk

blogspot.co.za

blogspot.com

blogspot.com.ar

blogspot.com.au

blogspot.com.br

blogspot.com.by

blogspot.com.co

blogspot.com.cy

blogspot.com.ee

blogspot.com.eg  
blogspot.com.es  
blogspot.com.mt  
blogspot.com.ng  
blogspot.com.tr  
blogspot.com.uy  
blogspot.cv  
blogspot.cz  
blogspot.de  
blogspot.dk  
blogspot.fi  
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blogspot.gr  
blogspot.hk  
blogspot.hr  
blogspot.hu  
blogspot.ie  
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blogspot.is  
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blogspot.jp  
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blogspot.no  
blogspot.pe  
blogspot.pt  
blogspot.qa  
blogspot.re  
blogspot.ro  
blogspot.rs  
blogspot.ru  
blogspot.se  
blogspot.sg  
blogspot.si  
blogspot.sk  
blogspot.sn  
blogspot.td  
blogspot.tw  
blogspot.ug  
blogspot.vn

//  
Aaron Marais' Gitlab pages: <https://lab.aaronleem.co.za>  
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graphox.us

// Group 53, LLC : <https://www.group53.com>  
// Submitted by Tyler Todd <noc@nova53.net>  
awsmpl.com

// Hakaran group: <http://hakaran.cz>  
// Submitted by Arseniy Sokolov <security@hakaran.cz>  
fin.ci  
free.hr  
caa.li  
ua.rs  
conf.se

// Handshake : <https://handshake.org>  
// Submitted by Mike Damm <md@md.vc>  
hs.zone  
hs.run

// Hashbang : <https://hashbang.sh>  
hashbang.sh

// Hasura : <https://hasura.io>  
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hasura.app  
hasura-app.io

// Hepforge : <https://www.hepforge.org>  
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hepforge.org

// Heroku : <https://www.heroku.com/>  
// Submitted by Tom Maher <tmaher@heroku.com>  
herokuapp.com  
herokussl.com

// Hibernating Rhinos  
// Submitted by Oren Eini <oren@ravendb.net>  
myravendb.com  
ravendb.community  
ravendb.me  
development.run  
ravendb.run

```
// HOSTBIP REGISTRY : https://www.hostbip.com/  
// Submitted by Atanunu Igbunuroghene <publicsuffixlist@hostbip.com>  
bpl.biz  
orx.biz  
ng.city  
biz.gl  
ng.ink  
col.ng  
firm.ng  
gen.ng  
ltd.ng  
ngo.ng  
ng.school  
sch.so
```

```
// HostyHosting (hostyhosting.com)  
hostyhosting.io
```

```
// Häkkinen.fi  
// Submitted by Eero Häkkinen <Eero+psl@Häkkinen.fi>  
häkkinen.fi
```

```
// Ici la Lune : http://www.icilalune.com/  
// Submitted by Simon Morvan <simon@icilalune.com>  
*.moonscale.io  
moonscale.net
```

```
// iki.fi  
// Submitted by Hannu Aronsson <haa@iki.fi>  
iki.fi
```

```
// Individual Network Berlin e.V. : https://www.in-berlin.de/  
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by Christian Seitz <chris@in-berlin.de>  
dyn-berlin.de  
in-berlin.de  
in-brb.de  
in-butter.de  
in-dsl.de  
in-dsl.net  
in-dsl.org  
in-vpn.de  
in-vpn.net  
in-vpn.org
```

```
// info.at : http://www.info.at/  
biz.at
```



info.at

// info.cx : <http://info.cx>

// Submitted by Jacob Slater <[whois@igloo.to](mailto:whois@igloo.to)>

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// Interlegis : <http://www.interlegis.leg.br>

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ac.leg.br

al.leg.br

am.leg.br

ap.leg.br

ba.leg.br

ce.leg.br

df.leg.br

es.leg.br

go.leg.br

ma.leg.br

mg.leg.br

ms.leg.br

mt.leg.br

pa.leg.br

pb.leg.br

pe.leg.br

pi.leg.br

pr.leg.br

rj.leg.br

rn.leg.br

ro.leg.br

rr.leg.br

rs.leg.br

sc.leg.br

se.leg.br

sp.leg.br

to.leg.br

// intermetrics GmbH : <https://pixolino.com/>

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pixolino.com

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na4u.ru

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iopsys.se

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IPiFony Systems, Inc. : <https://www.ipifony.com/>  
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ipifony.net

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mein-iserv.de  
schulserver.de  
test-iserv.de  
iserv.dev

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iobb.net

//Jelastic, Inc. : <https://jelastic.com/>  
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mel.cloudlets.com.au  
cloud.interhostsolutions.be  
users.scale.virtualcloud.com.br  
mycloud.by  
alp1.ae.flow.ch  
appengine.flow.ch  
es-1.axarnet.cloud  
diadem.cloud  
vip.jelastic.cloud  
jele.cloud  
it1.eur.aruba.jenv-aruba.cloud  
it1.jenv-aruba.cloud  
it1-eur.jenv-arubabiz.cloud  
primetel.cloud  
uk.primetel.cloud  
ca.reclaim.cloud  
uk.reclaim.cloud  
us.reclaim.cloud  
ch.trendhosting.cloud  
de.trendhosting.cloud  
jele.club  
clicketcloud.com  
ams.cloudswitches.com  
au.cloudswitches.com  
sg.cloudswitches.com  
dopaas.com  
elastyco.com  
nv.elastyco.com  
hidora.com  
paas.hosted-by-previder.com

rag-cloud.hosteur.com  
rag-cloud-ch.hosteur.com  
jcloud.ik-server.com  
jcloud-ver-jpc.ik-server.com  
demo.jelastic.com  
kilatiron.com  
paas.massivegrid.com  
jed.wafaicloud.com  
lon.wafaicloud.com  
ryd.wafaicloud.com  
j.scaleforce.com.cy  
jelastic.dogado.eu  
paas.leviracloud.eu  
fi.cloudplatform.fi  
demo.datacenter.fi  
paas.datacenter.fi  
jele.host  
mircloud.host  
jele.io  
ocs.opusinteractive.io  
cloud.unispace.io  
cloud-de.unispace.io  
cloud-fr1.unispace.io  
jc.neen.it  
cloud.jelastic.open.tim.it  
jcloud.kz  
upaas.kazteleport.kz  
jl.serv.net.mx  
cloudjiffy.net  
fra1-de.cloudjiffy.net  
west1-us.cloudjiffy.net  
ams1.jls.docktera.net  
jls-sto1.elastx.net  
jls-sto2.elastx.net  
jls-sto3.elastx.net  
fr-1.paas.massivegrid.net  
lon-1.paas.massivegrid.net  
lon-2.paas.massivegrid.net  
ny-1.paas.massivegrid.net  
ny-2.paas.massivegrid.net  
sg-1.paas.massivegrid.net  
jelastic.saveincloud.net  
nordeste-idc.saveincloud.net  
j.scaleforce.net  
jelastic.tsukaeru.net  
atl.jelastic.vps-host.net  
njs.jelastic.vps-host.net  
unicloud.pl

mircloud.ru  
jelastic.regruhosting.ru  
enscaled.sg  
jele.site  
jelastic.team  
j.layershift.co.uk  
phx.enscaled.us  
mircloud.us

//

Jino : <https://www.jino.ru>  
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myjino.ru  
\*.hosting.myjino.ru  
\*.landing.myjino.ru  
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\*.vps.myjino.ru

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\*.triton.zone  
\*.cns.joyent.com

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js.org

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kaas.gg  
khplay.nl

// Keyweb AG : <https://www.keyweb.de>  
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// KingHost : <https://king.host>  
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kinghost.net  
uni5.net

// KnightPoint Systems, LLC : <http://www.knightpoint.com/>  
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knightpoint.systems

//

KUROKU LTD : <https://kuroku.ltd/>  
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// .KRD : <http://nic.krd/data/krd/Registration%20Policy.pdf>  
co.krd  
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// LCube - Professional hosting e.K. : <https://www.lcube-webhosting.de>  
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git-repos.de  
lcube-server.de  
svn-repos.de

// Leadpages : <https://www.leadpages.net>  
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leadpages.co  
lpages.co  
lpusercontent.com

// Lelux.fi : <https://lelux.fi/>  
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lelux.site

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co.business  
co.education  
co.events  
co.financial  
co.network  
co.place  
co.technology

// Lightmaker Property Manager, Inc. : <https://app.lmpm.com/>  
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app.lmpm.com

// Linki Tools UG : <https://linki.tools>  
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linkitools.space

// linkyard  
ldt: <https://www.linkyard.ch/>  
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linkyard.cloud  
linkyard-cloud.ch

// Linode : <https://linode.com>  
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members.linode.com

\*.nodebalancer.linode.com

\*.linodeobjects.com

// LiquidNet Ltd : <http://www.liquidnetlimited.com/>

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we.bs

// localzone.xyz

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// Log'in Line : <https://www.loginline.com/>

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loginline.app

loginline.dev

loginline.io

loginline.services

loginline.site

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krasnik.pl

leczna.pl

lubartow.pl

lublin.pl

poniatowa.pl

swidnik.pl

// Lug.org.uk : <https://lug.org.uk>

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uklugs.org

glug.org.uk

lug.org.uk

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// Lukanet Ltd : <https://lukanet.com>

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barsy.bg

barsy.co.uk

barsyonline.co.uk

barsycenter.com

barsyonline.com

barsy.club

barsy.de

barsy.eu

barsy.in

barsy.info  
barsy.io  
barsy.me  
barsy.menu  
barsy.mobi  
barsy.net  
barsy.online  
barsy.org  
barsy.pro  
barsy.pub  
barsy.shop  
barsy.site  
barsy.support  
barsy.uk

// Magento Commerce  
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// May First - People Link : <https://mayfirst.org/>  
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mayfirst.info  
mayfirst.org

// Mail.Ru Group : <https://hb.cldmail.ru>  
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hb.cldmail.ru

// mcpe.me : <https://mcpe.me>  
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mcpe.me

// McHost : <https://mchost.ru>  
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mcdir.ru  
vps.mcdir.ru

// Memset hosting : <https://www.memset.com>  
// Submitted by Tom Whitwell <domains@memset.com>  
miniserver.com  
memset.net

// MetaCentrum, CESNET z.s.p.o. : <https://www.metacentrum.cz/en/>  
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Submitted by Zdeněk Šustr <zdenek.sustr@cesnet.cz>  
\*.cloud.metacentrum.cz  
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// MetaCentrum, CESNET z.s.p.o. : <https://www.metacentrum.cz/en/>  
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flt.cloud.muni.cz  
usr.cloud.muni.cz

// Meteor Development Group : <https://www.meteor.com/hosting>  
// Submitted by Pierre Carrier <[pierre@meteor.com](mailto:pierre@meteor.com)>  
meteorapp.com  
eu.meteorapp.com

// Michau Enterprises Limited : <http://www.co.pl/>  
co.pl

// Microsoft Corporation : <http://microsoft.com>  
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\*.azurecontainer.io  
azurewebsites.net  
azure-mobile.net  
cloudapp.net  
azurestaticapps.net  
centralus.azurestaticapps.net  
eastasia.azurestaticapps.net  
eastus2.azurestaticapps.net  
westeurope.azurestaticapps.net  
westus2.azurestaticapps.net

// minion.systems : <http://minion.systems>  
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csx.cc

// MobileEducation, LLC : <https://joinforte.com>  
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forte.id

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Mozilla Corporation : <https://mozilla.com>  
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mozilla-iot.org

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net.ru  
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pp.ru



```
// Mythic Beasts : https://www.mythic-beasts.com
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hostedpi.com
customer.mythic-beasts.com
lynx.mythic-beasts.com
ocelot.mythic-beasts.com
onza.mythic-beasts.com
sphinx.mythic-beasts.com
vs.mythic-beasts.com
x.mythic-beasts.com
yali.mythic-beasts.com
cust.retrosnub.co.uk

// Nabu Casa : https://www.nabucasa.com
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ui.nabu.casa

// Names.of.London : https://names.of.london/
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pony.club
of.fashion
on.fashion
of.football
in.london
of.london
for.men
and.mom
for.mom
for.one
for.sale
of.work
to.work

//
NCTU.ME : https://nctu.me/
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nctu.me

// Netlify : https://www.netlify.com
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4u.com

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```

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ngrok.io

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nh-serv.co.uk

// NFSN, Inc. : <https://www.NearlyFreeSpeech.NET/>

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nfshost.com

// Now-DNS : <https://now-dns.com>

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dnsking.ch

mypi.co

n4t.co

001www.com

ddnslive.com

myiphost.com

forumz.info

16-b.it

32-b.it

64-b.it

soundcast.me

tcp4.me

dnsup.net

hicam.net

now-dns.net

ownip.net

vpndns.net

dynserv.org

now-dns.org

x443.pw

now-dns.top

ntdll.top

freeddns.us

crafting.xyz

zapro.xyz

// nsupdate.info

: <https://www.nsupdate.info/>

// Submitted by Thomas Waldmann <info@nsupdate.info>

nsupdate.info

nerdpol.ovh

// No-IP.com : <https://noip.com/>

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blogsyste.com

brasilian.me  
cable-modem.org  
cisconfreak.com  
collegefan.org  
couchpotatofries.org  
damnservers.com  
ddns.me  
ditchyourip.com  
dnsfor.me  
dnsiskinky.com  
dvrcam.info  
dynns.com  
eating-organic.net  
fantasyleague.cc  
geekgalaxy.com  
golffan.us  
health-carereform.com  
homesecuritymac.com  
homesecuritypc.com  
hopto.me  
ilovecollege.info  
loginto.me  
mlbfan.org  
mmafan.biz  
myactivedirectory.com  
mydissent.net  
myeffect.net  
mymediapc.net  
myspx.net  
mysecuritycamera.com  
mysecuritycamera.net  
mysecuritycamera.org  
net-freaks.com  
nflfan.org  
nhlfan.net  
no-ip.ca  
no-ip.co.uk  
no-ip.net  
noip.us  
onthewifi.com  
pgafan.net  
point2this.com  
pointto.us  
privatizehealthinsurance.net  
quicksytes.com  
read-books.org  
securitytactics.com  
serveexchange.com

servehumour.com  
servep2p.com  
servesarcasm.com  
stufftoread.com  
ufcfan.org  
unusualperson.com  
workisboring.com  
3utilities.com  
bounceme.net  
ddns.net  
ddnsking.com  
gotdns.ch  
hopto.org  
myftp.biz  
myftp.org  
myvnc.com  
no-ip.biz  
no-ip.info  
no-ip.org  
noip.me  
redirectme.net  
servebeer.com  
serveblog.net  
servecounterstrike.com  
serveftp.com  
servegame.com  
servehalflife.com  
servehttp.com  
serveirc.com  
serveminecraft.net  
servemp3.com  
servepics.com  
servequake.com  
sytes.net  
webhop.me  
zapro.org

//

NodeArt : <https://nodeart.io>

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stage.nodeart.io

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nodum.co

nodum.io

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pcloud.host

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nyc.mn

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nom.ae

nom.af

nom.ai

nom.al

nym.by

nom.bz

nym.bz

nom.cl

nym.ec

nom.gd

nom.ge

nom.gl

nym.gr

nom.gt

nym.gy

nym.hk

nom.hn

nym.ie

nom.im

nom.ke

nym.kz

nym.la

nym.lc

nom.li

nym.li

nym.lt

nym.lu

nom.lv

nym.me

nom.mk

nym.mn

nym.mx

nom.nu

nym.nz

nym.pe

nym.pt

nom.pw

nom.qa

nym.ro

nom.rs  
nom.si  
nym.sk  
nom.st  
nym.su  
nym.sx  
nom.tj  
nym.tw  
nom.ug  
nom.uy  
nom.vc  
nom.vg

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Observable, Inc. : <https://observablehq.com>  
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static.observableusercontent.com

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cya.gg

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cloudycluster.net

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omniwe.site

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nid.io

// Open Social : <https://www.getopensocial.com/>  
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opensocial.site

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OpenCraft GmbH : <http://opencraft.com/>  
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opencraft.hosting

// Opera Software, A.S.A.

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ownprovider.com  
own.pm

// OwO : <https://whats-th.is/>  
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\*.owo.codes

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ox.rs

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// Pagefog : <https://pagefog.com/>  
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// Pagefront : <https://www.pagefronthq.com/>  
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//  
PageXL : <https://pagexl.com>  
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pagexl.com

// pcarrier.ca Software Inc: <https://pcarrier.ca/>  
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bar0.net  
bar1.net  
bar2.net  
rdv.to

// .pl domains (grandfathered)

art.pl

gliwice.pl

krakow.pl

poznan.pl

wroc.pl

zakopane.pl

// Pantheon Systems, Inc. : <https://pantheon.io/>

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pantheonsite.io

gotpantheon.com

// Peplink | Pepwave : <http://peplink.com/>

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mypep.link

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perspecta.cloud

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on-web.fr

// Platform.sh : <https://platform.sh>

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bc.platform.sh

ent.platform.sh

eu.platform.sh

us.platform.sh

\*.platformsh.site

// Platter:

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platter-app.com

platter-app.dev

platterp.us

// Plesk : <https://www.plesk.com/>

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pdns.page

plesk.page

pleskns.com

// Port53 : <https://port53.io/>

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dyn53.io

// Positive Codes Technology Company : <http://co.bn/faq.html>  
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co.bn

// prgmr.com : <https://prgmr.com/>  
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xen.prgmr.com

// priv.at : <http://www.nic.priv.at/>  
// Submitted by registry <lendl@nic.at>  
priv.at

// privacytools.io : <https://www.privacytools.io/>  
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prvcy.page

// Protocol Labs : <https://protocol.ai/>  
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\*.dweb.link

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protonet.io

// Publication Presse Communication SARL : <https://ppcom.fr>  
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byen.site

// pubtls.org: <https://www.pubtls.org>  
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pubtls.org

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qualifioapp.com

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qbuser.com

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instantcloud.cn

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ras.ru

// QA2  
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qa2.com

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qcx.io  
\*.sys.qcx.io

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dev-myqnapcloud.com  
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vapor.cloud  
vaporcloud.io

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rackmaze.com  
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g.vbrplsbox.io

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\*.on-k3s.io  
\*.on-rancher.cloud  
\*.on-rio.io

// Read The Docs, Inc : https://www.readthedocs.org  
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readthedocs.io

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rhcloud.com

// Render : <https://render.com>  
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app.render.com  
onrender.com

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repl.co  
repl.run

// Resin.io  
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resindevice.io  
devices.resinstaging.io

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hzc.io

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wellbeingzone.eu  
ptplus.fit  
wellbeingzone.co.uk

// Rochester Institute of Technology : <http://www.rit.edu/>  
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git-pages.rit.edu

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sandcats.io

// SBE network solutions GmbH : <https://www.sbe.de/>  
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logoip.de  
logoip.com

// schokoeks.org GbR : <https://schokoeks.org/>  
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schokoeks.net

// Scottish Government: <https://www.gov.scot>

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gov.scot

// Scry Security : <http://www.scrysec.com>  
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Submitted by Shante Adam <shante@skyhat.io>  
scrysec.com

// Securepoint GmbH : <https://www.securepoint.de>  
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firewall-gateway.com  
firewall-gateway.de  
my-gateway.de  
my-router.de  
spdns.de  
spdns.eu  
firewall-gateway.net  
my-firewall.org  
myfirewall.org  
spdns.org

// Seidat : <https://www.seidat.com>  
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seidat.net

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senseering.net

// Service Online LLC : <http://drs.ua/>  
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biz.ua  
co.ua  
pp.ua

// ShiftEdit : <https://shiftdit.net/>  
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shiftdit.io

// Shopblocks : <http://www.shopblocks.com/>  
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myshopblocks.com

// Shopit : <https://www.shopitcommerce.com/>  
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shopitsite.com

// shopware AG : <https://shopware.com>

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Submitted by Jens Küper <cloud@shopware.com>  
shopware.store

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mo-siemens.io

// SinaAppEngine : <http://sae.sina.com.cn/>  
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lkapp.com  
appchizi.com  
applinzi.com  
sinaapp.com  
vipsinaapp.com

// Siteleaf : <https://www.siteleaf.com/>  
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siteleaf.net

// Skyhat : <http://www.skyhat.io>  
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bounty-full.com  
alpha.bounty-full.com  
beta.bounty-full.com

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small-web.org

// Stackhero : <https://www.stackhero.io>  
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// staticland : <https://static.land>  
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static.land  
dev.static.land  
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// Sony Interactive  
Entertainment LLC : <https://sie.com/>  
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playstation-cloud.com

// SourceLair PC : <https://www.sourcelair.com>  
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apps.lair.io

\*.stolos.io

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customer.speedpartner.de

// Standard Library : <https://stdlib.com>  
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api.stdlib.com

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applicationcloud.io  
scapp.io

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\*.s5y.io  
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diskstation.me  
dscloud.biz  
dscloud.me  
dscloud.mobi  
dsmynas.com  
dsmynas.net  
dsmynas.org  
familyds.com  
familyds.net  
familyds.org  
i234.me  
myds.me  
synology.me  
vpnplus.to  
direct.quickconnect.to

// TAIFUN Software AG : <http://taifun-software.de>  
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taifun-dns.de

// TASK geographical domains ([www.task.gda.pl/uslugi/dns](http://www.task.gda.pl/uslugi/dns))  
gda.pl  
gdansk.pl  
gdynia.pl  
med.pl  
sopot.pl

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cust.dev.thingdust.io  
cust.disrec.thingdust.io  
cust.prod.thingdust.io

cust.testing.thingdust.io

\*.firenet.ch

\*.svc.firenet.ch

// Tlon.io : <https://tlon.io>

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arvo.network

azimuth.network

tlon.network

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townnews-staging.com

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12hp.at

2ix.at

4lima.at

lima-city.at

12hp.ch

2ix.ch

4lima.ch

lima-city.ch

trafficplex.cloud

de.cool

12hp.de

2ix.de

4lima.de

lima-city.de

1337.pictures

clan.rip

lima-city.rocks

webspaces.rocks

lima.zone

//

TransIP : <https://www.transip.nl>

// Submitted by Rory Breuk <rbreuk@transip.nl>

\*.transurl.be

\*.transurl.eu

\*.transurl.nl

// TuxFamily : <http://tuxfamily.org>

// Submitted by TuxFamily administrators <adm@staff.tuxfamily.org>

tuxfamily.org



// TwoDNS : <https://www.twodns.de/>  
// Submitted by TwoDNS-Support <support@two-dns.de>  
dd-dns.de  
diskstation.eu  
diskstation.org  
dray-dns.de  
draydns.de  
dyn-vpn.de  
dynvpn.de  
mein-vigor.de  
my-vigor.de  
my-wan.de  
syno-ds.de  
synology-diskstation.de  
synology-ds.de

// Uberspace : <https://uberspace.de>  
// Submitted by Moritz Werner <mwerner@jonaspasche.com>  
uber.space  
\*.uberspace.de

// UDR Limited : <http://www.udr.hk.com>  
// Submitted by registry <hostmaster@udr.hk.com>  
hk.com  
hk.org  
ltd.hk  
inc.hk

// United Gameserver GmbH : <https://united-gameserver.de>  
// Submitted by Stefan Schwarz <sysadm@united-gameserver.de>  
virtualuser.de  
virtual-user.de

//  
urown.net : <https://urown.net>  
// Submitted by Hostmaster <hostmaster@urown.net>  
urown.cloud  
dnsupdate.info

// .US  
// Submitted by Ed Moore <Ed.Moore@lib.de.us>  
lib.de.us

// VeryPositive SIA : <http://very.lv>  
// Submitted by Danko Aleksejevs <danko@very.lv>  
2038.io

// Vercel, Inc : <https://vercel.com/>

```
// Submitted by Connor Davis <security@vercel.com>
vercel.app
vercel.dev
now.sh

// Viprinet Europe GmbH : http://www.viprinet.com
// Submitted by Simon Kissel <hostmaster@viprinet.com>
router.management

// Virtual-Info : https://www.virtual-info.info/
// Submitted by Adnan RIHAN <hostmaster@v-info.info>
v-info.info

// Voorloper.com: https://voorloper.com
// Submitted by Nathan van Bakel <info@voorloper.com>
voorloper.cloud

// Voxel.sh DNS : https://voxel.sh/dns/
// Submitted by Mia Rehlinger <dns@voxel.sh>
neko.am
nyaa.am
be.ax
cat.ax
es.ax
eu.ax
gg.ax
mc.ax
us.ax
xy.ax
nl.ci
xx.gl
app.gp
blog.gt
de.gt
to.gt
be.gy
cc.hn
blog.kg
io.kg
jp.kg
tv.kg
uk.kg
us.kg
de.ls
at.md
de.md
jp.md
to.md
```

uwu.nu  
indie.porn  
vxl.sh  
ch.tc  
me.tc  
we.tc  
nyan.to  
at.vg  
blog.vu  
dev.vu  
me.vu

//

V.UA Domain Administrator : <https://domain.v.ua/>  
// Submitted by Serhii Rostilo <sergey@rostilo.kiev.ua>  
v.ua

// Waffle Computer Inc., Ltd. : <https://docs.waffleinfo.com>  
// Submitted by Masayuki Note <masa@blade.wafflecell.com>  
wafflecell.com

// WapBlog.ID : <https://www.wapblog.id>  
// Submitted by Fajar Sodik <official@wapblog.id>  
idnblogger.com  
indowapblog.com  
bloghp.id  
wblog.id  
wbq.me  
fastblog.net

// WebHare bv: <https://www.webhare.com/>  
// Submitted by Arnold Hendriks <info@webhare.com>  
\*.webhare.dev

// WeDeploy by Liferay, Inc. : <https://www.wedeploy.com>  
// Submitted by Henrique Vicente <security@wedeploy.com>  
wedeploy.io  
wedeploy.me  
wedeploy.sh

// Western Digital Technologies, Inc : <https://www.wdc.com>  
// Submitted by Jung Jin <jungseok.jin@wdc.com>  
remotewd.com

// WIARD Enterprises : <https://wiardweb.com>  
// Submitted by Kidd Hustle <kiddhustle@wiardweb.com>  
pages.wiardweb.com

// Wikimedia  
Labs : <https://wikitech.wikimedia.org>  
// Submitted by Arturo Borrero Gonzalez <[aborrero@wikimedia.org](mailto:aborrero@wikimedia.org)>  
wmflabs.org  
toolforge.org  
wmcloud.org

// WISP : <https://wisp.gg>  
// Submitted by Stepan Fedotov <[stepan@wisp.gg](mailto:stepan@wisp.gg)>  
panel.gg  
daemon.panel.gg

// WoltLab GmbH : <https://www.woltlab.com>  
// Submitted by Tim Düsterhus <[security@woltlab.cloud](mailto:security@woltlab.cloud)>  
myforum.community  
community-pro.de  
diskussionsbereich.de  
community-pro.net  
meinforum.net

// www.com.vc : <http://www.com.vc>  
// Submitted by Li Hui <[lihui@sinopub.com](mailto:lihui@sinopub.com)>  
cn.vu

// XenonCloud GbR: <https://xenoncloud.net>  
// Submitted by Julian Uphoff <[publicsuffixlist@xenoncloud.net](mailto:publicsuffixlist@xenoncloud.net)>  
half.host

// XnBay Technology : <http://www.xnbay.com/>  
// Submitted by XnBay Developer <[developer.xncloud@gmail.com](mailto:developer.xncloud@gmail.com)>  
xnbay.com  
u2.xnbay.com  
u2-local.xnbay.com

// XS4ALL Internet bv : <https://www.xs4all.nl/>  
// Submitted by Daniel Mostertman <[unixbeheer+publicsuffix@xs4all.net](mailto:unixbeheer+publicsuffix@xs4all.net)>  
cistron.nl  
demon.nl  
xs4all.space

// Yandex.Cloud LLC: <https://cloud.yandex.com>  
// Submitted by Alexander  
Lodin <[security+psl@yandex-team.ru](mailto:security+psl@yandex-team.ru)>  
yandexcloud.net  
storage.yandexcloud.net  
website.yandexcloud.net

// YesCourse Pty Ltd : <https://yescourse.com>

// Submitted by Atul Bhouraskar <atul@yescourse.com>  
official.academy

// Yola : <https://www.yola.com/>  
// Submitted by Stefano Rivera <stefano@yola.com>  
yolasite.com

// Yombo : <https://yombo.net>  
// Submitted by Mitch Schwenk <mitch@yombo.net>  
ybo.faith  
yombo.me  
homelink.one  
ybo.party  
ybo.review  
ybo.science  
ybo.trade

// Yunohost : <https://yunohost.org>  
// Submitted by Valentin Grimaud <security@yunohost.org>  
nohost.me  
noho.st

// ZaNiC : <http://www.za.net>  
// Submitted by registry <hostmaster@nic.za.net>  
za.net  
za.org

// Zine EOOD : <https://zine.bg/>  
// Submitted by Martin Angelov <martin@zine.bg>  
bss.design

// Zitcom A/S : <https://www.zitcom.dk>  
// Submitted by Emil Stahl <esp@zitcom.dk>  
basicserver.io  
virtualserver.io  
enterprisecloud.nu

// Mintere : <https://mintere.com/>  
// Submitted by Ben Aubin <security@mintere.com>  
mintere.site

//  
Cityhost LLC : <https://cityhost.ua>  
// Submitted by Maksym Rivtin <support@cityhost.net.ua>  
cx.ua

// WP Engine : <https://wpengine.com/>  
// Submitted by Michael Smith <michael.smith@wpengine.com>

```
// Submitted by Brandon DuRette <brandon.durette@wpengine.com>
wpenginepowered.com
js.wpenginepowered.com
```

```
// Impertrix Solutions : <https://impertrixcdn.com>
// Submitted by Zhixiang Zhao <csuite@impertrix.com>
impertrixcdn.com
impertrix.com
```

```
// GignoSystemJapan: http://gsj.bz
// Submitted by GignoSystemJapan <kakutou-ec@gsj.bz>
gsj.bz
// ===END PRIVATE DOMAINS===
```

Found in path(s):

```
* /opt/cola/permits/1314879430_1670490931.8770304/0/effective-tld-names-1-tar-gz/effective_tld_names.dat
No license file was found, but licenses were detected in source scan.
```

```
{
// Copyright (c) 2012 The Chromium Authors. All rights reserved.
// Use of this source code is governed by a BSD-style license that can be
// found in the LICENSE file.
// Test file used by registry_controlled_domain_unittest.
// We edit this file manually, then run
// gperf -a -L "C++" -C -c -o -t -k '*' -NFindDomain -ZPerfect_Hash_Test2 -P -K name_offset -Q stringpool2 -D -T
effective_tld_names_unittest2.gperf > effective_tld_names_unittest2.cc
// to generate the perfect hashmap.
}
struct DomainRule {
  int name_offset;
  int type; // 1: exception, 2: wildcard, 4: private
};
%%
jp, 0
bar.jp, 0
%%
```

Found in path(s):

```
* /opt/cola/permits/1314879430_1670490931.8770304/0/effective-tld-names-1-tar-gz/effective_tld_names_unittest2.gperf
No license file was found, but licenses were detected in source scan.
```

```
# Copyright (c) 2014 The Chromium Authors. All rights reserved.
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# found in the LICENSE file.
```

```
action_foreach("registry_controlled_domains") {
  script = "//net/tools/dafsa/make_dafsa.py"
```

```

sources = [
    "effective_tld_names.gperf",
    "effective_tld_names_unittest1.gperf",
    "effective_tld_names_unittest2.gperf",
    "effective_tld_names_unittest3.gperf",
    "effective_tld_names_unittest4.gperf",
    "effective_tld_names_unittest5.gperf",
    "effective_tld_names_unittest6.gperf",
]
outputs = [ "${target_gen_dir}/${source_name_part}-reversed-inc.cc" ]
args = [
    "--reverse",
    "${source}",
    rebase_path("${target_gen_dir}/${source_name_part}-reversed-inc.cc",
        root_build_dir),
]
}

```

```

action_foreach("lookup_strings_test_sets") {
    script = "//net/tools/dafsa/make_dafsa.py"
    sources = [
        "effective_tld_names.gperf",
        "effective_tld_names_unittest1.gperf",
        "effective_tld_names_unittest2.gperf",
        "effective_tld_names_unittest3.gperf",
        "effective_tld_names_unittest4.gperf",
        "effective_tld_names_unittest5.gperf",
        "effective_tld_names_unittest6.gperf",
    ]
    outputs = [ "${target_gen_dir}/${source_name_part}-inc.cc" ]
    args = [
        "${source}",
        rebase_path("${target_gen_dir}/${source_name_part}-inc.cc",
            root_build_dir),
    ]
}

```

Found in path(s):

\* /opt/cola/permits/1314879430\_1670490931.8770304/0/effective-tld-names-1-tar-gz/BUILD.gn

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Found in path(s):

\* /opt/cola/permits/1314879430\_1670490931.8770304/0/effective-tld-names-1-tar-gz/registry\_controlled\_domain\_unittest.cc

No license file was found, but licenses were detected in source scan.

```

% {
// Copyright (c) 2012 The Chromium Authors. All rights reserved.
// Use of this source code is governed by a BSD-style license that can be
// found in the LICENSE file.
// Test file used by registry_controlled_domain_unittest.
// We edit this file manually, then run
// gperf -a -L "C++" -C -c -o -t -k '*' -NFindDomain -ZPerfect_Hash_Test1 -P -K name_offset -Q stringpool1 -D
effective_tld_names_unittest1.gperf > effective_tld_names_unittest1.cc
// to generate the perfect hashmap.
% }
struct DomainRule {
  int name_offset;
  int type; // 1: exception, 2: wildcard, 4: private
};
%%
jp, 0
ac.jp, 0
bar.jp, 2
baz.bar.jp, 2
pref.bar.jp, 1
bar.baz.com, 0
c, 2
b.c, 1
no, 0
priv.no, 4
private, 4
xn--fiqs8s, 0
%%

```

Found in path(s):

```
* /opt/cola/permits/1314879430_1670490931.8770304/0/effective-tld-names-1-tar-
gz/effective_tld_names_unittest1.gperf
```

No license file was found, but licenses were detected in source scan.

```
// Copyright 2016 The Chromium Authors. All rights reserved.
```

Found in path(s):

```
* /opt/cola/permits/1314879430_1670490931.8770304/0/effective-tld-names-1-tar-
gz/get_domain_and_registry_fuzzer.cc
```

## 1.53 safeclib 4.1.3

### 1.53.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

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.text

// This function is assumed to be called only from within InitGC. The value

// pointed to by InitGCs frame pointer is loaded as the stack sentinel value.

.globl InitTopOfStack

InitTopOfStack:

mov(%rbp),%rdi

mov%rdi,(TopOfStack)

ret

.extern StackWalkAndMoveObjects

.globl GC

// We place the frame pointer in the first arg slot register and call

// StackWalkAndMoveObjects. The function epilogue needs to be hand-written

// afterwards so as to not corrupt the stack.

GC:

pushq%rbp

movq%rsp,%rbp

subq\$8,%rsp

mov%rbp,%rdi

callStackWalkAndMoveObjects

addq\$8,%rsp

popq%rbp

ret

.bss

.globl TopOfStack

TopOfStack:

.quad0

.sizeTopOfStack,8

Found in path(s):

\* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/stack\_maps/gc/GC\_Shim\_x86\_64.S



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- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/DiagnosticsReporter.h
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/base\_bind\_rewriters/BaseBindRewriters.cpp
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/value\_cleanup/ValueCleanup.cpp
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/DiagnosticsReporter.cpp
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/rewrite\_to\_chrome\_style/EditTracker.cpp
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/rewrite\_to\_chrome\_style/EditTracker.h

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- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/Config.h
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/NeedsTracing.h
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/JsonWriter.h
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/RecordInfo.cpp
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/RecordInfo.h
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/Edge.cpp
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/Edge.h
- \* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/BlinkGCPlugin.cpp

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\* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/plugins/Options.h

\* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/plugins/FindBadConstructsAction.h

\* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/plugins/ChromeClassTester.cpp

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\* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/CollectVisitor.cpp

\* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/CheckTraceVisitor.cpp

\* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/BlinkGCPluginConsumer.h

\* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/CheckGCRootsVisitor.h

\* /opt/cola/permits/1338646601\_1670489778.619556/0/clang-tar-gz/blink\_gc\_plugin/CheckDispatchVisitor.cpp

```
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/blink_gc_plugin/Config.cpp
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/blink_gc_plugin/BlinkGCPluginOptions.h
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/blink_gc_plugin/CollectVisitor.h
*
/opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/blink_gc_plugin/CheckFieldsVisitor.cpp
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/blink_gc_plugin/CheckGCRootsVisitor.cpp
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/blink_gc_plugin/CheckFinalizerVisitor.h
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/blink_gc_plugin/CheckDispatchVisitor.h
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/blink_gc_plugin/CheckFinalizerVisitor.cpp
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/pass_to_move/PassToMove.cpp
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/blink_gc_plugin/CheckFieldsVisitor.h
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/plugins/SuppressibleDiagnosticBuilder.h
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-
gz/rewrite_to_chrome_style/RewriteToChromeStyle.cpp
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/blink_gc_plugin/CheckTraceVisitor.h
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* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/stack_maps/objects.h
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-
gz/stack_maps/IdentifySafepoints/IdentifySafepoints.cpp
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/stack_maps/gc/gc_api.h
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/stack_maps/gc/stack_map_parser.h
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-
gz/stack_maps/RegisterGcFunctions/RegisterGcFunctions.cpp
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/stack_maps/tests.h
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* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/pylib/clang/compile_db_test.py
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/scripts/process_crashreports.py
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```
gz/translation_unit/test_files/test_relative_sysroot.cc
```

```
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/translation_unit/TranslationUnitGenerator.cpp
```

```
* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/translation_unit/test_files/test.cc
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* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/translation_unit/test_files/test.h
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* /opt/cola/permits/1338646601_1670489778.619556/0/clang-tar-gz/translation_unit/test_files/binomial.h
```

## 1.56 libdouble-conversion 3.2.0

### 1.56.1 Available under license :

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## JRuby Joni v2.1.16
```

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## Double-conversion v1.1.5

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o [freetype-devel@nongnu.org](mailto:freetype-devel@nongnu.org)

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#

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#

src/base/fthash.c

src/base/md5.c

src/base/md5.h

#

src/bdf/bdf.c

src/bdf/bdf.h

src/bdf/bdfdrivr.c

src/bdf/bdfdrivr.h

src/bdf/bdferror.h

src/bdf/bdflib.c

src/bdf/module.mk

src/bdf/README

src/bdf/rules.mk

#

src/pcf/module.mk

src/pcf/pcf.c

src/pcf/pcf.h

src/pcf/pcfdrivr.c

src/pcf/pcfdrivr.h

src/pcf/pcferror.h

src/pcf/pcfread.c

src/pcf/pcfread.h

src/pcf/pcfutil.c

src/pcf/pcfutil.h

src/pcf/README

```
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
subprojects/dlg
#
#
EOF
```

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## 1.59 libqrencode 3.4.1

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

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

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executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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- \* /opt/cola/permits/1500662196\_1670491487.1956677/0/kxml-tar-gz/kdom/Element.java
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```

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```
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```

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\* @version 3.0 (December 2000)

\*

\* Optimised ANSI C code for the Rijndael cipher (now AES)

\*

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## 1.68 pcre 10.42

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Written by: Philip Hazel  
Email local part: Philip.Hazel  
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## 1.69 ncurses 6.4

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## 1.74 eudev 3.2.7

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# 1.79 expat 2.5.0

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# 1.80 tcpdump 4.99.1

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```
# -*- perl -*-
```

```
$testlist = [  
  # This specific test fails on OpenBSD because the .pcap file uses DLT_RAW,  
  # which OpenBSD treats as DLT_LOOP. The macro is set on all three BSDs.  
  {  
    config_unset => 'HAVE_NET_IF_PFLOG_H',  
    name => 'heap-overflow-1',  
    input => 'heap-overflow-1.pcap',  
    output => 'heap-overflow-1.out',  
    args => '-v'  
  },  
];  
  
1;
```



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```
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```

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```
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name of author  
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```

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## 1.86 jre 11.0.12u12

### 1.86.1 Available under license :

```
## zlib v1.2.11
```

```
### zlib License
```

```
<pre>
```

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</pre>

## The Unicode Standard, Unicode Character Database, Version 10.0.0

### Unicode Character Database

...

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- the files in src/spy/
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|                | GL/glxt.h          | Khronos        |
|                | GL/wglxt.h         | Khronos        |
|                | KHR/khrplatform.h  | Khronos        |

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include/GL/gl.h :

Mesa 3-D  
graphics library

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```
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include/GL/glxext.h  
include/GL/wglxext.h :
```

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```
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```

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#

# This is a Makefile stub which handles the creation of BSD shared # libraries.

#

# In order to use this stub, the following makefile variables must be defined.

#

# BSDLIB\_VERSION = 1.0

# BSDLIB\_IMAGE = libce

# BSDLIB\_MYDIR = et

# BSDLIB\_INSTALL\_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD\_LIB = \$(BSDLIB\_IMAGE).so.\$(BSDLIB\_VERSION)

BSDLIB\_PIC\_FLAG = -fpic

image: \$(BSD\_LIB)

\$(BSD\_LIB): \$(OBS)

(cd pic; ld -Bshareable -o \$(BSD\_LIB) \$(LDFLAGS\_SHLIB) \$(OBS))

\$(MV) pic/\$(BSD\_LIB) .

\$(RM) -f ../\$(BSD\_LIB)

(cd ..; \$(LN) \$(LINK\_BUILD\_FLAGS) \

`echo \$(my\_dir) | sed -e 's;lib/;;'/'\$(BSD\_LIB) \$(BSD\_LIB))

install-shlibs install:: \$(BSD\_LIB)

@echo " INSTALL\_PROGRAM \$(BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)"

@\$(INSTALL\_PROGRAM) \$(BSD\_LIB) \

\$(DESTDIR)\$ (BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

\$(RM) -f \$(DESTDIR)\$ (BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)

clean::

\$(RM)

-rf pic

\$(RM) -f \$(BSD\_LIB)

\$(RM) -f ../\$(BSD\_LIB)

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Index: tdbsa/tdb.c

-----  
--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version
  
- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell            2005
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- + Copyright (C) Jeremy Allison            2000-2006
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Gadi Oxman, August 1995

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```

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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Theodore Ts'o  
23-June-2007

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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