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# **Open Source Used In RV016 firmware version 3.0.2.01**

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## **Contents**

- 1.1 binutils 2.14**
  - 1.1.1 Available under license
- 1.2 binutils 2.12.1**
  - 1.2.1 Available under license
- 1.3 bpalogin 2.0.2**
  - 1.3.1 Available under license
- 1.4 busybox 1.00**
  - 1.4.1 Available under license
- 1.5 crosstool 0.27**
  - 1.5.1 Available under license
- 1.6 freeswan 2.06**

- 1.6.1 Available under license
- 1.7 gcc 3.3.2**
  - 1.7.1 Available under license
- 1.8 gcc 2.95.3**
  - 1.8.1 Available under license
- 1.9 gdb 6.3**
  - 1.9.1 Available under license
- 1.10 glibc 2.2.5**
  - 1.10.1 Available under license
- 1.11 glibc 2.3.2**
  - 1.11.1 Available under license
- 1.12 glibc-linuxthreads 2.2.5**
  - 1.12.1 Available under license
- 1.13 glibc-linuxthreads 2.3.2**
  - 1.13.1 Available under license
- 1.14 gmp 2.0.2**
  - 1.14.1 Available under license
- 1.15 ipfilter 3.4.33**
  - 1.15.1 Available under license
- 1.16 iproute2 2.4.7**
  - 1.16.1 Available under license
- 1.17 libdes 4.01**
  - 1.17.1 Notifications
  - 1.17.2 Available under license
- 1.18 libiberty 3.3.2**
  - 1.18.1 Available under license
- 1.19 libiberty 2.95.3**
  - 1.19.1 Available under license
- 1.20 Linux 2.4.19**
  - 1.20.1 Available under license
- 1.21 linux-2.4.17 2.4.17**
  - 1.21.1 Available under license
- 1.22 linux-2.4.24 2.4.24**
  - 1.22.1 Available under license
- 1.23 lzo 1.08**
  - 1.23.1 Available under license
- 1.24 ncurses 5.4**
  - 1.24.1 Available under license

## **1.25 net-tools 1.54**

1.25.1 Available under license

## **1.26 OpenSSL 0.9**

1.26.1 Notifications

1.26.2 Available under license

## **1.27 poptop 1.0.1**

1.27.1 Available under license

## **1.28 ppp 2.4.2**

1.28.1 Available under license

## **1.29 pptp-client 1.1.0**

1.29.1 Available under license

## **1.30 ptxdist-testing 20031113**

1.30.1 Available under license

## **1.31 rp-pppoe 3.8**

1.31.1 Available under license

## **1.32 stunnel 4.05**

1.32.1 Available under license

## **1.33 termcap 1.3.1**

1.33.1 Available under license

## **1.34 util 1.0**

1.34.1 Available under license

## **1.35 wget 1.5.3**

1.35.1 Available under license

## **1.36 zlib 1.2.1**

1.36.1 Available under license

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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

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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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## 1.12 glibc-linuxthreads 2.2.5

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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. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Use a suitable shared library mechanism for linking with the

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## 1.13 glibc-linuxthreads 2.3.2

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Version 2.1, February 1999

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```
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```

library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

## 1.14 gmp 2.0.2

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

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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## 1.20 Linux 2.4.19

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## 1.29 pptp-client 1.1.0

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## 1.35 wget 1.5.3

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## 1.36 zlib 1.2.1

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```
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.1, November 17th, 2003
```

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Jean-loup Gailly     Mark Adler  
jloup@gzip.org     madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

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