



ExtremeWireless Open Source Declaration

Release v10.41.01



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Table of Contents

Preface	5
Text Conventions.....	5
Providing Feedback to Us.....	5
Getting Help.....	6
Extreme Networks Documentation.....	6
Extreme Networks® License Agreement.....	7
Chapter 1: Open Source Software Used in the Product	13
Warranty Regarding Use of the Open Source Software (FOSS).....	13
Chapter 2: Open Source Software That May Be Used in This Product	15
ExtremeWireless Appliance.....	15
ExtremeWireless AP.....	23
Open Source Licenses.....	24
Chapter 3: ACE License	25
Chapter 4: Apache 2.0 License	27
Chapter 5: Boost Software License	30
Chapter 6: bzip2 License	31
Chapter 7: Creative Commons License	32
Chapter 8: GNU Public Licenses	33
GNU General Public License Version 2.....	33
GNU General Public License Version 3.....	37
GNU Lesser General Public License.....	47
GNU AFFERO General Public License.....	53
Chapter 9: Google-protobuf	63
Chapter 10: ISC License	64
Chapter 11: libwebsockets	65
Chapter 12: Linux Foundation	66
Chapter 13: MIT Licenses	67
c-ares License.....	68
cJSON License.....	68
CEditor License.....	69
ColorPicker License.....	69
CURL License.....	69
Dropbear License.....	69
expat License.....	72
flot License.....	72
flot-axislabels.....	72
FontAwesome License.....	73
Form License.....	73
HTTP Parser License.....	73
Jansson License.....	74
jqDnR.....	74

JqModal.....	74
jQuery Licenses.....	74
libbase64codec License.....	77
libffi License.....	78
libxml2 License.....	78
lodash License.....	78
ncurses License.....	79
ossp-uuid License.....	80
pexpect License.....	81
popt License.....	81
selectToUISlider License.....	82
shadow-securetty License.....	82
term.js.....	82
TreeView License.....	83
Chapter 14: Modified BSD License.....	84
Chapter 15: NTP License (NTP).....	85
Chapter 16: OpenSSL License.....	86
Chapter 17: Open Source Initiative (OSI).....	88
Chapter 18: PHP License, Version 3.01.....	89
Chapter 19: Python 2.0.1 License.....	90
Terms and Conditions for Accessing or Otherwise Using Python.....	91
Beopen.com Terms and Conditions for Python 2.0.....	91
CNRI Open Source GPL-compatible License Agreement	92
Accept CWI Permission Statement and Disclaimer.....	93
Chapter 20: SIL Open Font License	94
Chapter 21: Spell Checker Oriented Word Lists (SCOWL) License.....	96
Chapter 22: VIM License.....	100
Chapter 23: zlib License.....	102

Preface

Text Conventions

The following tables list text conventions that are used throughout this guide.

Table 1: Notice Icons






Icon	Notice Type	Alerts you to...
	General Notice	Helpful tips and notices for using the product.
	Note	Important features or instructions.
	Caution	Risk of personal injury, system damage, or loss of data.
	Warning	Risk of severe personal injury.
	New	This command or section is new for this release.

Table 2: Text Conventions

Convention	Description
Screen displays	This typeface indicates command syntax, or represents information as it appears on the screen.
The words enter and type	When you see the word “enter” in this guide, you must type something, and then press the Return or Enter key. Do not press the Return or Enter key when an instruction simply says “type.”
[Key] names	Key names are written with brackets, such as [Return] or [Esc] . If you must press two or more keys simultaneously, the key names are linked with a plus sign (+). Example: Press [Ctrl]+[Alt]+[Del]
<i>Words in italicized type</i>	Italics emphasize a point or denote new terms at the place where they are defined in the text. Italics are also used when referring to publication titles.

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- Content errors or confusing or conflicting information.
- Ideas for improvements to our documentation so you can find the information you need faster.
- Broken links or usability issues.

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- **GTAC Knowledge** — Get on-demand and tested resolutions from the GTAC Knowledgebase, or create a help case if you need more guidance.
- **The Hub** — A forum for Extreme customers to connect with one another, get questions answered, share ideas and feedback, and get problems solved. This community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC.
- **Support Portal** — Manage cases, downloads, service contracts, product licensing, and training and certifications.

Before contacting Extreme Networks for technical support, have the following information ready:

- Your Extreme Networks service contract number and/or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any action(s) already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers

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2 Open Source Software That May Be Used in This Product

ExtremeWireless Appliance ExtremeWireless AP Open Source Licenses

The following open source software is distributed with the Linux distribution that is used in this product. Not all of this software is used in the product, but the files may be included in the product image and therefore are being made available upon request.

ExtremeWireless Appliance

The base distribution for the ExtremeWireless Appliance is OpenEmbedded. The packages in the following tables may be included in the released product.

Table 3: Open Source Packages

Package	License
ACE	ACE
apache-websocket	Apache-2.0
apache2	Apache-2.0
base-files	GPLv2
base-passwd	GPLv2+
bash	GPLv3+
bootstrap	Apache-2.0
busybox	GPLv2 & bzip2
busybox-hwclock	GPLv2 & bzip2
bzip2	bzip2
cJSON	MIT
CLEditor	MIT
ColorPicker	MIT
coreutils-ls	GPLv3+
cracklib	LGPLv2.1+
cronie	ISC & BSD-3-Clause & BSD-2-Clause & GPLv2+
curl	MIT
DataTables	BSD

Table 3: Open Source Packages (continued)

Package	License
db	AGPL-3.0
dhcpcd	GPLv2
dhcp-relay	ISC
dhcp-server	ISC
dhcp-server-config	ISC
diffutils	GPLv3+
dmidecode	GPLv2
dnrd	GPLv2
dom-drag	Public Domain
e2fsprogs	GPLv2 & LGPLv2 & BSD & MIT
e2fsprogs-badblocks	GPLv2
e2fsprogs-e2fsck	GPLv2
e2fsprogs-mke2fs	GPLv2
ethtool	GPLv2+
file	BSD
findutils	GPLv3+
Flot	MIT
flot-axislabels	MIT
Font Awesome	MIT & SIL Open Font License
Form plugin	MIT
FPDF	other
FreeBSD kernel IPsec	BSD
gawk	GPLv3
grep	GPLv3
grub	GPLv2
gzip	GPLv3+
hostapd	BSD
Hunspell Spelling dictionaries	SCOWL
init-ifupdown	GPLv2
initscripts	GPLv2
initscripts-functions	GPLv2
ipgrab	GPLv2+
IPMItool	BSD
iproute2	GPLv2+

Table 3: Open Source Packages (continued)

Package	License
iptables	GPLv2+
iputils-ping	BSD & GPLv2+
iputils-ping6	BSD & GPLv2+
iputils-traceroute6	BSD & GPLv2+
jqDnR	MIT
jqModel	MIT
jquery	MIT
jquery-base64	MIT
jQuery BlockUI	MIT
jQuery Dimensions	MIT
jQuery Migrate	MIT
jquery timepicker addon	MIT
jquery UI	MIT
jquery UI datepicker	MIT
jQueryUI.ScrollableTabs	MIT
JSON in JavaScript	Public Domain
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ldd	GPLv2 & LGPLv2.1
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libacl1	LGPLv2.1+
libapr-1-0	Apache-2.0
libaprutil-1-0	Apache-2.0
libattr1	LGPLv2.1+
libbeecrypt7	GPLv2 & LGPLv2.1
libblkid1	GPLv2+ & LGPLv2.1+ & BSD
libboost	Boost Software License
libbz2	bzip2
libc6	GPLv2 & LGPLv2.1
libc6-ldconfig	GPLv2 & LGPLv2.1
libc6-splitlibs	GPLv2 & LGPLv2.1
libc6-utils	GPLv2 & LGPLv2.1
libcap2	BSD
libcom-err2	GPLv2 & LGPLv2 & BSD & MIT
libcrypto1.0.0	openssl

Table 3: Open Source Packages (continued)

Package	License
libcurl4	MIT
libe2p2	GPLv2 & LGPLv2 & BSD & MIT
libelf1	GPLv3 & Elfutils-Exception
libexpat1	MIT
libext2fs2	GPLv2 & LGPLv2 & BSD & MIT
libffi6	MIT
libgcc1	GPLv3.0-with-GCC-exception
libgdbm-compat4	GPLv3
libgdbm4	GPLv3
libglib-2.0-0	LGPLv2+ & BSD & Public Domain
libkmod2	LGPLv2.1+
liblzma5	Public Domain
libmount1	GPLv2+ & LGPLv2.1+ & BSD
libncurses5-5.9	MIT
libnetsnmp30	BSD
libosp-uuid16	MIT
libpam	BSD
libpam-runtime	BSD
libpanel5	MIT
libpcap1	BSD
libpci3	GPLv2+
libpcre1	BSD
libpcreposix0	BSD
libpopt0	MIT
libprotobuf-lite9	BSD-3-Clause
libpython2.7-1.0	PSFv2
libreadline6	GPLv3+
libsmartcols1	GPLv2+ & LGPLv2.1+ & BSD
libssl1.0.0	openssl
libstdc++6	GPLv3.0-with-GCC-exception & GPLv3
libsysfs2	LGPLv2.1
libtinfo5	MIT
libuser	LGPLv2
libuuid1	GPLv2+ & LGPLv2.1+ & BSD

Table 3: Open Source Packages (continued)

Package	License
libwrap0	BSD
libxml2-2	MIT
libz-minizip	Zlib
libz1	Zlib
Linux kernel	GPLv2
lodash	MIT
logrotate	GPLv2
lsOf	BSD
makedevs	GPLv2
mod-qos	GPLv2+
modutils-initscripts	Public Domain
ncurses	MIT
ncurses-terminfo-base	MIT
net-snmp-server-snmpd	BSD
net-tools	GPLv2+
netbase	GPLv2
netkit-ftp	BSD
nscd	GPLv2 & LGPLv2.1
ntp	NTP
ntp-tickadj	NTP
ntp-utils	NTP
ntpdate	NTP
openSLP	BSD
openssh-keygen	BSD
openssh-scp	BSD
openssh-sftp	BSD
openssh-ssh	BSD
openssh-sshd	BSD
openssl	openssl
openssl-conf	openssl
pam-plugin-deny	BSD
pam-plugin-env	BSD
pam-plugin-faildelay	BSD
pam-plugin-group	BSD

Table 3: Open Source Packages (continued)

Package	License
pam-plugin-keyinit	BSD
pam-plugin-loginuid	BSD
pam-plugin-nologin	BSD
pam-plugin-permit	BSD
pam-plugin-rootok	BSD
pam-plugin-unix	BSD
pam-plugin-warn	BSD
pciutils	GPLv2+
Pexpect	MIT
php-modphp	PHP-3.0
phpseclib	LGPLv2.1
php serialize/unserialize library	other
procps	GPLv2+ & LGPLv2+
python-codecs	PSFv2
python-compile	PSFv2
python-compiler	PSFv2
python-compression	PSFv2
python-core	PSFv2
python-crypt	PSFv2
python-curses	PSFv2
python-datetime	PSFv2
python-distutils	PSFv2
python-elementtree	PSFv2
python-fcntl	PSFv2
python-image	PSFv2
python-io	PSFv2
python-json	PSFv2
python-lang	PSFv2
python-logging	PSFv2
python-math	PSFv2
python-mime	PSFv2
python-misc	PSFv2
python-netclient	PSFv2
python-numbers	PSFv2

Table 3: Open Source Packages (continued)

Package	License
python-pickle	PSFv2
python-re	PSFv2
python-readline	PSFv2
python-resource	PSFv2
python-shell	PSFv2
python-stringold	PSFv2
python-subprocess	PSFv2
python-terminal	PSFv2
python-textutils	PSFv2
python-threading	PSFv2
python-unixadmin	PSFv2
python-xml	PSFv2
python-zlib	PSFv2
racoon2	BSD
rpcapd	BSD
rpm	LGPLv2.1
rpm-libs	LGPLv2.1
run-postinsts	MIT
selectToUISlider	MIT
shadow	BSD Artistic-1.0
shadow-base	BSD Artistic-1.0
shadow-securetty	MIT
sshpas	GPLv2
stat	GPLv2
strace	BSD
sudo	ISC & BSD & Zlib
sysfsutils	GPLv2
sysklogd	GPLv2+ & BSD
sysstat	GPLv2+
sysvinit	GPLv2+
sysvinit-inittab	GPLv2
sysvinit-killall5	GPLv2+
tar	GPLv3
tcpdump	BSD

Table 3: Open Source Packages (continued)

Package	License
term.js	MIT
tftp-hpa-inetd	BSD-4-Clause
TinyXML-2	Zlib
traceroute	GPLv2.0+ & LGPLv2.1+
TreeView	MIT
tzdata	Public Domain & BSD & BSD-3-Clause
tzdata-africa	Public Domain & BSD & BSD-3-Clause
tzdata-americas	Public Domain & BSD & BSD-3-Clause
tzdata-antarctica	Public Domain & BSD & BSD-3-Clause
tzdata-arctic	Public Domain & BSD & BSD-3-Clause
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tzdata-europe	Public Domain & BSD & BSD-3-Clause
tzdata-misc	Public Domain & BSD & BSD-3-Clause
tzdata-pacific	Public Domain & BSD & BSD-3-Clause
udev-182	GPLv2.0+
update-alternatives-opkg	GPLv2+
update-rc.d	GPLv2+
util-linux	GPLv2+ & LGPLv2.1+ & BSD
util-linux-agetty	GPLv2+ & LGPLv2.1+ & BSD
util-linux-chrt	GPLv2+ & LGPLv2.1+ & BSD
util-linux-fdisk	GPLv2+ & LGPLv2.1+ & BSD
util-linux-fsck	GPLv2+ & LGPLv2.1+ & BSD
util-linux-losetup	GPLv2+ & LGPLv2.1+ & BSD
util-linux-mkfs	GPLv2+ & LGPLv2.1+ & BSD
util-linux-mount	GPLv2+ & LGPLv2.1+ & BSD
util-linux-sulogin	GPLv2+ & LGPLv2.1+ & BSD
util-linux-taskset	GPLv2+ & LGPLv2.1+ & BSD
util-linux-umount	GPLv2+ & LGPLv2.1+ & BSD
vim-tiny	vim
vip tunneling driver	GPLv2
web toolkit	Creative Commons
wireshark-mergcap	GPL-2.0

Table 3: Open Source Packages (continued)

Package	License
xinetd	BSD
xz	Public Domain
Yahoo UI	BSD

The Wireless Virtual Gateway 2110 also includes these additional packages:

Table 4: Additional Open Source Software Used in Wireless Virtual Gateway 2110

Package	License
open-vm-tools	GPLv2+ & LGPLv2.1+

ExtremeWireless AP

The ExtremeWireless access points are Linux based. They include the following Open Source packages.

Table 5: Wireless AP Open Source Software

Package	License
ACE	ACE
busybox	GPLv2
c-ares	MIT
curl	MIT
dropbear	MIT
ethtool	GPLv2
fcgi	Open Market Inc
Google-protobuf	Google
gzip	GPL
hostapd	GPLv2 / BSD
hotplug	GPLv2
httpparser	MIT
iptables	GPLv2
jansson	MIT
libbase64codec	MIT
libboost	BSD/MIT
libpcap	BSD
libwebsockets	LGPLv2.1
libxml2	MIT
lighttpd	BSD

Table 5: Wireless AP Open Source Software (continued)

Package	License
linux	GPLv2
mtd-utils	GPLv2
ntpClient	GPLv2
openssh-sftp	BSD
openSSL	openSSL
procps	GPLv2
qca_ssd	The Linux Foundation
qca_ssd_shell	The Linux Foundation
racoon2	BSD
rpcapd	BSD
tinycl	Zlib
u-boot	GPLv2
utcpdump	BSD
wireless_tools	GPLv2
wlan	BSD
wpa-suplicant	GPLv2 / BSD

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Version 3, 19 November 2007

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loginrec.c

loginrec.h

atomicio.h

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curve25519-donna:

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```

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IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

```
curve25519-donna: Curve25519 elliptic curve, public key function
```

```
http://code.google.com/p/curve25519-donna/
```

```
Adam Langley <agl@imperialviolet.org>
```

```
Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>
```

```
More information about curve25519 can be found here http://cr.yp.to/ecdh.html
```

```
djb's sample implementation of curve25519 is written in a special
assembly language called qasm and uses the floating point registers.
```

This is, almost, a clean room reimplementaion from the curve25519 paper. It uses many of the tricks described therein. Only the crecip function is taken from the sample implementation.

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```
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```

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flot License

```
/*! Javascript plotting library for jQuery, v. 0.7.
 *
 * Released under the MIT license by IOLA, December 2007.
 *
 */
```

flot-axislabels

```
/*
Axis Labels Plugin for flot.
http://github.com/markcroote/flot-axislabels

Original code is Copyright (c) 2010 Xuan Luo.
Original code was released under the GPLv3 license by Xuan Luo, September 2010.
Original code was rereleased under the MIT license by Xuan Luo, April 2012.
```

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*/

```

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Form License

```

/ * !
 * jQuery Form Plugin
 * version: 3.45.0-2013.10.17
 * Requires jQuery v1.5 or later
 * Copyright (c) 2013 M. Alsup
 * Examples and documentation at: http://malsup.com/jquery/form/
 * Project repository: https://github.com/malsup/form
 * Dual licensed under the MIT and GPL licenses.
 * https://github.com/malsup/form#copyright-and-license
 */

```

HTTP Parser License

```

http_parser.c is based on src/http/nginx_http_parse.c from NGINX copyright
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```

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jqDnR

```
/*
 * jqDnR - Minimalistic Drag'n'Resize for jQuery.
 *
 * Copyright (c) 2007 Brice Burgess <bhb@iceburg.net>, http://www.iceburg.net
 * Licensed under the MIT License:
 * http://www.opensource.org/licenses/mit-license.php
 *
 * $Version: 2007.08.19 +r2
 */
```

JqModal

```
/*
 * jqModal - Minimalist Modaling with jQuery
 * (http://dev.iceburg.net/jquery/jqModal/)
 *
 * Copyright (c) 2007,2008 Brice Burgess <bhb@iceburg.net>
 * Dual licensed under the MIT and GPL licenses:
 * http://www.opensource.org/licenses/mit-license.php
 * http://www.gnu.org/licenses/gpl.html
 *
 * $Version: 03/01/2009 +r14
 */
```

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- [jQuery BlockUI License](#) on page 75
- [jQuery Dimensions License](#) on page 75
- [jQuery Migrate License](#) on page 76

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- [jQueryUI.ScrollableTabs License](#) on page 76
- [jQuery UI-Datapicker License](#) on page 77
- [jQuery UI License](#) on page 77

jQuery-base64 License

```
Original code (c) 2010 Nick Galbreath
http://code.google.com/p/stringencoders/source/browse/#svn/trunk/javascript
```

```
jQuery port (c) 2010 Carlo Zottmann
http://github.com/carlo/jquery-base64
```

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jQuery BlockUI License

```
/*!
 * jQuery blockUI plugin
 * Version 2.39 (23-MAY-2011)
 * @requires jQuery v1.2.3 or later
 *
 * Examples at: http://malsup.com/jquery/block/
 * Copyright (c) 2007-2010 M. Alsup
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 * http://www.opensource.org/licenses/mit-license.php
 * http://www.gnu.org/licenses/gpl.html
 *
 * Thanks to Amir-Hossein Sobhi for some excellent contributions!
 */
```

jQuery Dimensions License

```
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```

```

*
* $LastChangedDate$
* $Rev$
*
* Version: 1.1.2
*
* Requires: jQuery 1.1.3+
*/

```

jQuery Migrate License

```

/*!
 * jQuery Migrate - v1.2.1 - 2013-05-08
 * https://github.com/jquery/jquery-migrate
 * Copyright 2005, 2013 jQuery Foundation, Inc. and other contributors; Licensed MIT
 */

```

jQuery License

```

/*!
 * jQuery JavaScript Library v1.6.4
 * http://jquery.com/
 *
 * Copyright 2011, John Resig
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 * http://jquery.org/license
 *
 * Includes Sizzle.js
 * http://sizzlejs.com/
 * Copyright 2011, The Dojo Foundation
 * Released under the MIT, BSD, and GPL Licenses.
 *
 * Date: Mon Sep 12 18:54:48 2011 -0400
 */

```

jQuery Timepicker License

```

/*! jQuery Timepicker Addon - v1.4.4 - 2014-03-29
 * http://trentrichardson.com/examples/timepicker
 * Copyright (c) 2014 Trent Richardson; Licensed MIT */

```

jQueryUI.ScrollableTabs License

```

/**
 * jQuery.ScrollableTab - Scrolling multiple tabs.
 * @copyright (c) 2010 Astun Technology Ltd - http://www.astuntechnology.com
 * Dual licensed under MIT and GPL.
 * Date: 28/04/2010
 * @author Aamir Afridi - aamirafridi(at)gmail(dot)com | http://www.aamirafridi.com
 * @version 1.0
 */

```

jQuery UI-Datepicker License

```

/*
 * jQuery UI Datepicker 1.8.14
 *
 * Copyright 2011, AUTHORS.txt (http://jqueryui.com/about)
 * Dual licensed under the MIT or GPL Version 2 licenses.
 * http://jquery.org/license
 *
 * http://docs.jquery.com/UI/Datepicker
 *
 * Depends:
 *   jquery.ui.core.js
 */

```

jQuery UI License

```

/*!
 * jQuery UI 1.8.14
 *
 * Copyright 2011, AUTHORS.txt (http://jqueryui.com/about)
 * Dual licensed under the MIT or GPL Version 2 licenses.
 * http://jquery.org/license
 *
 * http://docs.jquery.com/UI
 */

```

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Author: Thomas E. Dickey <dickey@clark.net> 1999 *

```
#include < curses.priv.h >
MODULE_ID("$Id: version.c,v 1.6 2005/01/02 01:23:54 tom Exp $")
NCURSES_EXPORT(const char *)
curses_version(void)
{
    T((T_CALLED("curses_version()")));
    returnCPtr("ncurses " NCURSES_VERSION_STRING);
}
```

ossp-uuid License

OSSP uuid - Universally Unique Identifier
Version 1.6.2 (04-Jul-2008)

Abstract

OSSP uuid is a ISO-C:1999 application programming interface (API) and corresponding command line interface (CLI) for the generation of DCE 1.1, ISO/IEC 11578:1996 and IETF RFC-4122 compliant Universally Unique Identifier (UUID). It supports DCE 1.1 variant UUIDs of version 1 (time and node based), version 3 (name based, MD5), version 4 (random number based) and version 5 (name based, SHA-1). Additional API bindings are provided for the languages ISO-C++:1998, Perl:5 and PHP:4/5. Optional backward compatibility exists for the ISO-C DCE-1.1 and Perl Data::UUID APIs.

UUIDs are 128 bit numbers which are intended to have a high likelihood of uniqueness over space and time and are computationally difficult to guess. They are globally unique identifiers which can be locally generated without contacting a global registration authority. UUIDs are intended as unique identifiers for both mass tagging objects with an extremely short lifetime and to reliably identifying very persistent objects across a network.

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Home and Documentation

The documentation and latest release can be found on:

- <http://www.ossproject.org/pkg/lib/uuid/>
- <ftp://ftp.ossproject.org/pkg/lib/uuid/>

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selectToUISlider License

```

/*
 * jQuery-Plugin - selectToUISlider - creates a UI slider component from a select element(s)
 * by Scott Jehl, scott@filamentgroup.com
 * http://www.filmamentgroup.com
 * reference article: http://www.filmamentgroup.com/lab/
update_jquery_ui_16_slider_from_a_select_element/
 * demo page: http://www.filmamentgroup.com/examples/slider_v2/index.html
 *
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(filamentgroup.com/examples/gpl-license.txt) licenses.
 *
 * Usage Notes: Please refer to our article above for documentation.
 */

```

shadow-securetty License

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term.js

```

/**
 * term.js - an xterm emulator
 * Copyright (c) 2012-2013, Christopher Jeffrey (MIT License)
 * https://github.com/chjj/term.js
 *
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```

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* http://bellard.org/jslinux/  
* Copyright (c) 2011 Fabrice Bellard  
* The original design remains. The terminal itself  
* has been extended to include xterm CSI codes, among  
* other features.  
*/
```

TreeView License

```
/*  
* Treeview 1.5pre - jQuery plugin to hide and show branches of a tree  
*  
* http://bassistance.de/jquery-plugins/jquery-plugin-treeview/  
* http://docs.jquery.com/Plugins/TreeView  
*  
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Alan Beale <biljir@pobox.com> also deserves special credit as he has, in addition to providing the 12Dicts package and being a major contributor to the ENABLE word list, given me an incredible amount of feedback and created a number of special lists (those found in the Supplement) in order to help improve the overall quality of SCOWL.

The 10 level includes the 1000 most common English words (according to the Moby (TM) Words II [MWords] package), a subset of the 1000 most common words on the Internet (again, according to Moby Words II), and frequently class 16 from Brian Kelk's "UK English Wordlist with Frequency Classification".

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Date: Sat, 08 Jul 2000 20:27:21 +0100 From: Brian Kelk <Brian.Kelk@cl.cam.ac.uk> > I was wondering what the copyright status of your "UK English > Wordlist With Frequency Classification" word list as it seems to > be lacking any copyright notice.

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