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acl

Version (if any):	2.2.51-14.el7
Brief Description:	Access control list utilities
License(s):	GPL v2.0
Link:	http://acl.bestbits.at/

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alsa-firmware

Version (if any):	1.0.28-2.el7
Brief Description:	Firmware for several ALSA-supported sound cards
License(s):	GPLv2.0, LGPLv2.1 and BSD
Link:	http://www.alsa-project.org/

AICA Firmware

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The code this firmware was built with is part of the KOS distribution and can also be reviewed here: <u>http://linuxdc.cvs.sourceforge.net/linuxdc/linux-sh-dc/sound/oss/aica/firmware/</u>

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Pcxhrloader

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Usx2yloader

tascam_loader.ihx, tascam_loader.asm and an2131.asm: Available under GPL without restrictions.



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Vxloader

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alsa-lib

Version (if any):1.1.6-2.el7Brief Description:The Advanced Linux Sound Architecture (ALSA) libraryLicense(s):LGPL v2.1Link:http://www.alsa-project.org/

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alsa-tools-firmware

Version (if any):1.1.0-1.el7Brief Description:ALSA tools for uploading firmware to some soundcardsLicense(s):GPL v2.0Link:http://www.alsa-project.org/

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<u>atk</u>

Version (if any):2.28.1-1.el7Brief Description:Interfaces for accessibility supportLicense(s):LGPL v2.1Link:http://developer.gnome.org/platform-overview/stable/atk

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<u>audit</u>

Version (if any):2.8.4-4.el7Brief Description:User space tools for 2.6 kernel auditingLicense(s):GPL v2.0

July 31, 2019

version 1.0



Link: http://people.redhat.com/sgrubb/audit/

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audit-libs

Version (if any):	2.8.4-4.el7
Brief Description:	Dynamic library for libaudit
License(s):	LGPL v2.1
Link:	http://people.redhat.com/sgrubb/audit/

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authconfig

Version (if any): Brief Description:	6.2.8-30.el7 Command line tool for setting up authentication from network services
Bhei Description.	Command line tool for setting up authentication norm network services
License(s):	GPL v2.0
Link:	https://fedorahosted.org/authconfig

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autogen-libopts

Version (if any):	5.18-5.el7
Brief Description:	Automated option processing library based on autogen
License(s):	LGPL v3.0
Link:	http://www.gnu.org/software/autogen/

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avahi-libs

Version (if any):	0.6.31-19.el7
Brief Description:	Libraries for avahi run-time use
License(s):	LGPL v2.1
Link:	http://avahi.org

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basesystem

Version (if any):	10.0-7.el7.centos
Brief Description:	The skeleton package which defines a simple CentOS Linux system
License(s):	Public Domain
Link:	https://centos.pkgs.org/7/centos-x86_64/basesystem-10.0-7.el7.centos.noarch.rpm.html

<u>bash</u>

Version (if any):	4.2.46-31.el7
Brief Description:	The GNU Bourne Again shell
License(s):	GPL v3.0
Link:	http://www.gnu.org/software/bash

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bind-libs

Version (if any):	32:9.9.4-74.el7_6.1
Brief Description:	Libraries used by the BIND DNS packages
License(s):	ISC
Link:	http://www.isc.org/products/BIND/

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The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.

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bind-libs-lite

Version (if any):	32:9.9.4-74.el7_6.1
Brief Description:	Libraries for working with the DNS protocol
License(s):	ISC
Link:	http://www.isc.org/products/BIND/

See bind-libs, above.

bind-license

Version (if any):	32:9.9.4-74.el7_6.1
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See bind-libs, above.

bind-utils

Version (if any):	32:9.9.4-74.el7_6.1
Brief Description:	Utilities for querying DNS name servers
License(s):	ISC
Link:	http://www.isc.org/products/BIND/

See bind-libs, above.

binutils

Version (if any):	2.27-34.base.el7
Brief Description:	A GNU collection of binary utilities
License(s):	GPL v3.0
Link:	http://sources.redhat.com/binutils



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biosdevname

Version (if any):0.7.3-1.el7Brief Description:Udev helper for naming devices per BIOS namesLicense(s):GPL v2.0Link:https://github.com/dell/biosdevname

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btrfs-progs

Version (if any):	4.9.1-1.el7
Brief Description:	Userspace programs for btrfs
License(s):	GPL v2.0
Link:	http://btrfs.wiki.kernel.org/index.php/Main_Page

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<u>bzip2</u>

Version (if any):	1.0.6-13.el7
Brief Description:	A file compression utility
License(s):	BSD
Link:	http://www.bzip.org/

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Julian Seward, jseward@bzip.org bzip2/libbzip2 version 1.0.6 of 6 September 2010

bzip2-libs

Version (if any):1.0.6-13.el7Brief Description:Libraries for applications using bzip2License(s):BSDLink:http://www.bzip.org/

See bzip2, above.

ca-certificates

Version (if any):	2018.2.22-70.0.el7_5
Brief Description:	The Mozilla CA root certificate bundle
License(s):	Public Domain
Link:	http://www.mozilla.org/

<u>cairo</u>

Version (if any):	1.15.12-3.el7
Brief Description:	A 2D graphics library
License(s):	LGPL v2.0 or MPL 1.1, MPL 1.1 selected
Link:	http://cairographics.org

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centos-logos

Version (if any):	70.0.6-3.el7.centos
Brief Description:	CentOS-related icons and pictures
License(s):	CentOS-Logos License
Link:	http://www.centos.org

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centos-release

Version (if any):	7-6.1810.2.el7.centos
Brief Description:	CentOS Linux release file
License(s):	GPL v2.0
Link:	https://www.centos.org/

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<u>chkconfig</u>

Version (if any):	1.7.4-1.el7
Brief Description:	A system tool for maintaining the /etc/rc*.d hierarchy
License(s):	GPL v2.0
Link:	https://github.com/fedora-sysv/chkconfig

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copy-jdk-configs

Version (if any):	3.3-10.el7_5
Brief Description:	JDKs configuration files copier
License(s):	BSD
Link:	https://pagure.io/copy_jdk_configs

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coreutils

Version (if any):	8.22-23.el7
Brief Description:	A set of basic GNU tools commonly used in shell scripts
License(s):	GPL v3.0
Link:	http://www.gnu.org/software/coreutils/

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<u>cpio</u>

Version (if any):	2.11-27.el7
Brief Description:	A GNU archiving program
License(s):	GPL v3.0
Link:	http://www.gnu.org/software/cpio/

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<u>cracklib</u>

Version (if any):2.9.0-11.el7Brief Description:A password-checking library



License(s):LGPL v2.1Link:http://sourceforge.net/projects/cracklib/

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cracklib-dicts	
Version (if any):	2.9.0-11.el7
Brief Description:	The standard CrackLib dictionaries
License(s):	LGPL v2.1
Link:	http://sourceforge.net/projects/cracklib/

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<u>cronie</u>

Version (if any):	1.4.11-20.el7_6
Brief Description:	Cron daemon for executing programs at set times
License(s):	GPL v2.0, MIT, BSD and ISC
Link:	https://github.com/cronie-crond/cronie

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*

^{* @(#)}bitstring.h 8.1 (Berkeley) 7/19/93



*/

cronie-anacron

Version (if any):	1.4.11-20.el7_6
Brief Description:	Utility for running regular jobs
License(s):	GPL v2.0 and MIT and BSD and ISC
Link:	https://github.com/cronie-crond/cronie

See cronie, above.

crontabs

Version (if any):	1.11-6.20121102git.el7
Brief Description:	Root crontab files used to schedule the execution of programs
License(s):	GPL v2.0 and Public Domain
Link:	https://fedorahosted.org/crontabs

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cryptsetup-libs

Version (if any):	2.0.3-3.el7
Brief Description:	Cryptsetup shared library
License(s):	GPL v2.0 and LGPL v2.1
Link:	https://gitlab.com/cryptsetup/cryptsetup

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cups-libs

Version (if any):	1:1.6.3-35.el7
Brief Description:	CUPS printing system - libraries
License(s):	LGPL v2.0 with Exceptions
Link:	http://www.cups.org/

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<u>curl</u>

Version (if any):7.29.0-51.el7Brief Description:A utility for getting files from remote servers (FTP, HTTP, and others)License(s):MITLink:http://curl.haxx.se/



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cyrus-sasl-lib

Version (if any): Brief Description: License(s): Link:	2.1.26-23.el7 Shared libraries needed by applications which use Cyrus SASL BSD http://asg.web.cmu.edu/sasl/sasl-library.html	
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<u>dbus</u>

Version (if any):	1:1.10.24-13.el7_6
Brief Description:	D-BUS message bus
License(s):	GPL v2.0 and AFL 2.1, AFL 2.1 chosen where applicable
Link:	http://www.freedesktop.org/Software/dbus/

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dbus-glib

Version (if any): 0.100-7.el7



Brief Description:GLib bindings for D-BusLicense(s):GPL v2.0 and AFL 2.1Link:http://www.freedesktop.org/software/dbus/

See dbus, above.

<u>dbus-libs</u>

Version (if any):	1:1.10.24-13.el7_6
Brief Description:	Libraries for accessing D-BUS
License(s):	GPL v2.0 and AFL 2.1
Link:	http://www.freedesktop.org/Software/dbus/

See dbus, above.

dbus-python

Version (if any):	1.1.1-9.el7
Brief Description:	D-Bus Python Bindings
License(s):	MIT
Link:	http://www.freedesktop.org/software/dbus-python

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dejavu-fonts-common



Version (if any):2.33-6.el7Brief Description:Common files for the Dejavu font setLicense(s):Bitstream Vera License and Public DomainLink:http://dejavu-fonts.org/

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dejavu-sans-fonts

Version (if any):	2.33-6.el7
Brief Description:	Variable-width sans-serif font faces
License(s):	Bitstream Vera License and Public Domain
Link:	http://deiavu-fonts.org/

See dejavu-fonts-common, above.



device-mapper

Version (if any):	7:1.02.149-10.el7_6.7
Brief Description:	Device mapper utility
License(s):	GPL v2.0
Link:	http://sources.redhat.com/dm

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device-mapper-event

Version (if any):	7:1.02.149-10.el7_6.7
Brief Description:	Device-mapper event daemon
License(s):	GPL v2.0
Link:	http://sources.redhat.com/lvm2

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device-mapper-event-libs

Version (if any):	7:1.02.149-10.el7_6.7
Brief Description:	Device-mapper event daemon shared library
License(s):	LGPL v2.0
Link:	http://sources.redhat.com/lvm2

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device-mapper-libs

Version (if any):	7:1.02.149-10.el7_6.7
Brief Description:	Device-mapper shared library
License(s):	LGPL v2.0
Link:	http://sources.redhat.com/lvm2

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device-mapper-persistent-data

Version (if any):0.7.3-3.el7Brief Description:Device-mapper Persistent Data ToolsLicense(s):GPL v3.0



Link: https://github.com/jthornber/thin-provisioning-tools

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<u>dhclient</u>

Version (if any):	12:4.2.5-68.el7.centos.1
Brief Description:	Provides the ISC DHCP client daemon and dhclient-script
License(s):	ISC
Link:	http://isc.org/products/DHCP/

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- # Internet Systems Consortium, Inc.
- # 950 Charter Street
- # Redwood City, CA 94063
- # <info@isc.org>
- # https://www.isc.org/

dhcp-common

Version (if any):	12:4.2.5-68.el7.centos.1
Brief Description:	Common files used by ISC dhcp client and server
License(s):	ISC
Link:	http://isc.org/products/DHCP/

See dhclient, above.

dhcp-libs

Version (if any):12:4.2.5-68.el7.centos.1Brief Description:Shared libraries used by ISC dhcp client and serverLicense(s):ISC



Link: http://isc.org/products/DHCP/

See dhclient, above.

<u>diffutils</u>

Version (if any):	3.3-4.el7
Brief Description:	A GNU collection of diff utilities
License(s):	GPL v3.0
Link:	http://www.gnu.org/software/diffutils/diffutils.html

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dmidecode

Version (if any):	1:3.1-2.el7
Brief Description:	Tool to analyse BIOS DMI data
License(s):	GPL v2.0
Link:	http://www.nongnu.org/dmidecode/

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<u>dracut</u>

Version (if any):	033-554.el7
Brief Description:	Initramfs generator using udev
License(s):	GPL v2.0 and LGPL v2.1
Link:	https://dracut.wiki.kernel.org/

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dracut-config-rescue

Version (if any): Brief Description:	033-554.el7 dracut configuration to turn on rescue image generation
License(s):	GPL v2.0 and LGPL v2.1
Link:	https://dracut.wiki.kernel.org/

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dracut-network

Version (if any): 033-554.el7



Brief Description:dracut modules to build a dracut initramfs with network supportLicense(s):GPL v2.0 and LGPL v2.1Link:https://dracut.wiki.kernel.org/

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e2fsprogs

Version (if any):	1.42.9-13.el7
Brief Description:	Utilities for managing ext2, ext3, and ext4 filesystems
License(s):	GPL v2.0
Link:	http://e2fsprogs.sourceforge.net/

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e2fsprogs-libs

Version (if any):	1.42.9-13.el7
Brief Description:	Ext2/3/4 filesystem-specific shared libraries
License(s):	GPL v2.0 and LGPL v2.0
Link:	http://e2fsprogs.sourceforge.net/

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ebtables

Version (if any):	2.0.10-16.el7
Brief Description:	Ethernet Bridge frame table administration tool
License(s):	GPL v2.0
Link:	http://ebtables.sourceforge.net/

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elfutils-default-yama-scope

Version (if any):	0.172-2.el7
Brief Description:	Default yama attach scope sysctl setting
License(s):	GPL v2.0 or LGPL v3.0, LGPL v3.0 selected
Link:	http://elfutils.org/

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elfutils-libelf

Version (if any):0.172-2.el7Brief Description:Library to read and write ELF filesLicense(s):GPL v2.0 or LGPL v3.0, LGPL v3.0 selectedLink:http://elfutils.org/

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elfutils-libs

Version (if any):	0.172-2.el7
Brief Description:	Libraries to handle compiled objects
License(s):	GPL v2.0 or LGPL v3.0, LGPL v3.0 selected
Link:	http://elfutils.org/

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ethtool

Version (if any):	2:4.8-9.el7
Brief Description:	Settings tool for Ethernet NICs
License(s):	GPL v2.0
Link:	http://ftp.kernel.org/pub/software/network/ethtool/

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eventlog

Version (if any):	0.2.13-4.el7
Brief Description:	Syslog-ng v2/v3 support library
License(s):	BSD
Link:	http://www.balabit.com/network-security/syslog-ng/opensource-logging-system

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<u>expat</u>

Version (if any):	2.1.0-10.el7_3
Brief Description:	An XML parser library
License(s):	MIT
Link:	http://www.libexpat.org/

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fastlz

Version (if any):0.1.0-0.1.20070619svnrev12.el7Brief Description:Portable real-time compression libraryLicense(s):MITLink:http://fastlz.org/



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<u>file</u>

Version (if any):	5.11-35.el7
Brief Description:	A utility for determining file types
License(s):	BSD
Link:	http://www.darwinsys.com/file/

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file-libs

Version (if any):	5.11-35.el7
Brief Description:	Libraries for applications using libmagic
License(s):	BSD
Link:	http://www.darwinsys.com/file/

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filesystem



Version (if any):3.2-25.el7Brief Description:The basic directory layout for a Linux systemLicense(s):Public DomainLink:https://pagure.io/filesystem

<u>findutils</u>

Version (if any):	1:4.5.11-6.el7
Brief Description:	The GNU versions of find utilities (find and xargs)
License(s):	GPL v3.0
Link:	http://www.gnu.org/software/findutils/

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fipscheck

Version (if any):	1.4.1-6.el7
Brief Description:	A library for integrity verification of FIPS validated modules
License(s):	BSD
Link:	http://fedorahosted.org/fipscheck/

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fipscheck-lib

Version (if any):	1.4.1-6.el7
Brief Description:	Library files for fipscheck
License(s):	BSD
Link:	http://fedorahosted.org/fipscheck/

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firewalld

Version (if any):0.5.3-5.el7Brief Description:A firewall daemon with D-Bus interface providing a dynamic firewallLicense(s):GPL v2.0Link:http://www.firewalld.org

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firewalld-filesystem

Version (if any):	0.5.3-5.el7
Brief Description:	Firewalld directory layout and rpm macros
License(s):	GPL v2.0
Link:	http://www.firewalld.org

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fontconfig

Version (if any):	2.13.0-4.3.el7
Brief Description:	Font configuration and customization library
License(s):	MIT and UCD and Public Domain
Link:	http://fontconfig.org

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fontpackages-filesystem

Version (if any):	1.44-8.el7
Brief Description:	Directories used by font packages
License(s):	Public Domain
Link:	http://fedoraproject.org/wiki/fontpackages

freetype

Version (if any):	2.8-12.el7_6.1
Brief Description:	A free and portable font rendering engine
License(s):	GPL v2.0 or FreeType License, FreeType License Selected
Link:	http://www.freetype.org

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<u>fribidi</u>

Version (if any):	1.0.2-1.el7
Brief Description:	Library implementing the Unicode Bidirectional Algorithm
License(s):	LGPL v2.1
Link:	http://fribidi.org



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<u>fuse</u>

Version (if any):2.9.2-11.el7Brief Description:File System in Userspace (FUSE) utilitiesLicense(s):GPL v2.0Link:https://github.com/libfuse/libfuse

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fuse-libs

Version (if any):	2.9.2-11.el7
Brief Description:	File System in Userspace (FUSE) libraries
License(s):	LGPL v2.1
Link:	https://github.com/libfuse/libfuse

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fxload

Version (if any):	2002_04_11-16.el7
Brief Description:	A helper program to download firmware into FX and FX2 EZ-USB devices
License(s):	GPL v2.0
Link:	http://linux-hotplug.sourceforge.net/

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<u>gawk</u>

Version (if any):	4.0.2-4.el7_3.1
Brief Description:	The GNU version of the awk text processing utility
License(s):	GPL v3.0, LGPL v3.0 and BSD
Link:	http://www.gnu.org/software/gawk/gawk.html

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* Arnold Robbins

* 15 September 2007

<u>gdbm</u>

Version (if any):1.10-8.el7Brief Description:A GNU set of database routines which use extensible hashingLicense(s):GPL v3.0Link:http://www.gnu.org/software/gdbm/



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gdk-pixbuf2

Version (if any):	2.36.12-3.el7
Brief Description:	An image loading library
License(s):	LGPL v2.1
Link:	http://www.gtk.org

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GeoIP

Version (if any):	1.5.0-13.el7
Brief Description:	Library for country/city/organization to IP address or hostname mapping
License(s):	GPL v2.0, LGPL v2.1 and BSD
Link:	http://www.maxmind.com/app/c

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<u>gettext</u>

Version (if any):	0.19.8.1-2.el7
Brief Description:	GNU libraries and utilities for producing multi-lingual messages
License(s):	GPL v3.0 and LGPL v2.1
Link:	http://www.gnu.org/software/gettext/

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gettext-libs

Version (if any):	0.19.8.1-2.el7
Brief Description:	Libraries for gettext
License(s):	GPL v3.0 and LGPL v2.1
Link:	http://www.gnu.org/software/gettext/

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giflib

Version (if any):	4.1.6-9.el7
Brief Description:	Library for manipulating GIF format image files
License(s):	MIT
Link:	http://www.sourceforge.net/projects/giflib/

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git

Version (if any):	1.8.3.1-20.el7
Brief Description:	Fast Version Control System
License(s):	GPL v2.0
Link:	http://git-scm.com/

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<u>glib2</u>

Version (if any):	2.56.1-4.el7_6
Brief Description:	A library of handy utility functions
License(s):	LGPL v2.1
Link:	http://www.gtk.org

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<u>glibc</u>

Version (if any):2.17-260.el7_6.5Brief Description:The GNU libc librariesLicense(s):LGPL v2.1 and LGPL v2.1 with exceptions, GPL v2.0, VariousLink:http://www.gnu.org/software/glibc/

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glibc-common

Version (if any):2.17-260.el7_6.5Brief Description:Common binaries and locale data for glibcLicense(s):LGPL v2.1 and LGPL v2.1 with exceptions, GPL v2.0, VariousLink:http://www.gnu.org/software/glibc/

See glibc, above.

<u>gmp</u>

Version (if any):1:6.0.0-15.el7Brief Description:A GNU arbitrary precision libraryLicense(s):GPL v2.0 or LGPL v3.0, LGPL v3.0 selectedLink:http://gmplib.org/

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gnupg2

Version (if any):2.0.22-5.el7_5Brief Description:Utility for secure communication and data storageLicense(s):GPL v3.0Link:http://www.gnupg.org/



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gobject-introspection

Version (if any):	1.56.1-1.el7
Brief Description:	Introspection system for GObject-based libraries
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Link:	https://wiki.gnome.org/Projects/GObjectIntrospection

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There is also some MIT code in giscanner/. In general where applicable files should have headers denoting their license status; if they do not, please file a bug at https://gitlab.gnome.org/GNOME/gobject-introspection/issues. * GObject introspection: C lexer * * Copyright (c) 1997 Sandro Sigala <ssigala@globalnet.it> * Copyright (c) 2007-2008 Jürg Billeter <j@bitron.ch> * Copyright (c) 2010 Andreas Rottmann <a.rottmann@gmx.at>

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* GObject introspection: C parser -*- indent-tabs-mode: t; tab-width: 8 -*-
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gpgme

Version (if any): Brief Description:	1.3.2-5.el7 GnuPG Made Easy - high level crypto APIs
License(s):	LGPL v2.1
Link:	http://www.gnupg.org/related_software/gpgme/

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gpm-libs

Version (if any):	1.20.7-5.el7
Brief Description:	Dynamic library for for the gpm
License(s):	GPL v2.0
Link:	http://www.nico.schottelius.org/software/gpm/

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graphite2



Version (if any):1.3.10-1.el7_3Brief Description:Font rendering capabilities for complex non-Roman writing systemsLicense(s):GPL v2.0 or LGPL v2.1 or MPL 2.0, MPL 2.0 selectedLink:https://sourceforge.net/projects/silgraphite/

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<u>grep</u>

Version (if any):	2.20-3.el7
Brief Description:	Pattern matching utilities
License(s):	GPL v3.0
Link:	http://www.gnu.org/software/grep/

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groff-base

Version (if any):	1.22.2-8.el7
Brief Description:	Parts of the groff formatting system required to display manual pages
License(s):	GPL v3.0
Link:	http://www.gnu.org/software/groff/

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grub2

Version (if any):1:2.02-0.76.el7.centos.1Brief Description:Bootloader with support for Linux, Multiboot and moreLicense(s):GPL v3.0Link:http://www.gnu.org/software/grub/

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grub2-commonVersion (if any):1:2.02-0.76.el7.centos.1Brief Description:grub2 common layoutLicense(s):GPL v3.0Link:http://www.gnu.org/software/grub/



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<u>grub2-pc</u>

Version (if any):1:2.02-0.76.el7.centos.1Brief Description:Bootloader with support for Linux, Multiboot, and moreLicense(s):GPL v3.0Link:http://www.gnu.org/software/grub/

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grub2-pc-modules

Version (if any):	1:2.02-0.76.el7.centos.1
Brief Description:	Modules used to build custom grub images
License(s):	GPL v3.0
Link:	http://www.gnu.org/software/grub/

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grub2-tools

Version (if any):	1:2.02-0.76.el7.centos.1
Brief Description:	Support tools for GRUB.
License(s):	GPL v3.0
Link:	http://www.gnu.org/software/grub/

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grub2-tools-minimal

Version (if any):	1:2.02-0.76.el7.centos.1
Brief Description:	Support tools for GRUB.
License(s):	GPL v3.0
Link:	http://www.gnu.org/software/grub/

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grubby



Version (if any):8.28-25.el7Brief Description:Command line tool for updating bootloader configsLicense(s):GPL v2.0Link:http://git.fedorahosted.org/git/grubby.git

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<u>gtk2</u>

Version (if any):2.24.31-1.el7Brief Description:The GIMP ToolKit (GTK+), a library for creating GUIs for XLicense(s):LGPL v2.1Link:http://www.gtk.org

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gtk-update-icon-cache

Version (if any):	3.22.30-3.el7
Brief Description:	Icon theme caching utility
License(s):	LGPL v2.1
Link:	http://www.gtk.org

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<u>gzip</u>

Version (if any):	1.5-10.el7
Brief Description:	The GNU data compression program
License(s):	GPL v3.0
Link:	http://www.gzip.org/

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<u>hardlink</u>

Version (if any):1:1.0-19.el7Brief Description:Create a tree of hardlinksLicense(s):GPL v2.0



Link: http://pkgs.fedoraproject.org/gitweb/?p=hardlink.git

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harfbuzz

Version (if any):1.7.5-2.el7Brief Description:Text shaping libraryLicense(s):MITLink:http://freedesktop.org/wiki/Software/HarfBuzz

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hicolor-icon-theme

Version (if any):0.12-7.el7Brief Description:Basic requirement for icon themesLicense(s):GPL v2.0Link:http://icon-theme.freedesktop.org/wiki/HicolorTheme

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hostname

Version (if any):	1.0
Brief Description:	Utility to set/show the host name or domain name
License(s):	GPL v2.0
Link:	http://packages.qa.debian.org/h/hostname.html

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<u>hwdata</u>

Version (if any):	0.252-9.1.el7
Brief Description:	Hardware identification and configuration data
License(s):	GPL v2.0
Link:	https://github.com/vcrhonek/hwdata

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<u>incron</u>

Version (if any):	0.5.10-8.el7
Brief Description:	Inotify cron system
License(s):	GPL v2.0
Link:	http://inotify.aiken.cz

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<u>info</u>

Version (if any):5.1-5.el7Brief Description:A stand-alone TTY-based reader for GNU texinfo documentationLicense(s):GPL v3.0Link:http://www.gnu.org/software/texinfo/

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initscripts

Version (if any):	9.49.46-1.el7
Brief Description:	The inittab file and the /etc/init.d scripts
License(s):	GPL v2.0
Link:	https://github.com/fedora-sysv/initscripts

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<u>iproute</u>

Version (if any):	4.11.0-14.el7_6.2
Brief Description:	Advanced IP routing and network device configuration tools
License(s):	GPL v2.0, BSD and Public Domain, BSD selected where applicable
Link:	http://kernel.org/pub/linux/utils/net/iproute2/

INET An implementation of the TCP/IP protocol suite for the LINUX operating system. INET is implemented using the BSD Socket interface as the means of communication with the user level.

Definitions for the IP protocol.

Version: @(#)ip.h 1.0.2 04/28/93

Authors: Fred N. van Kempen, <waltje@uWalt.NL.Mugnet.ORG>

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<u>iprutils</u>



Version (if any):2.4.16.1-1.el7Brief Description:Utilities for the IBM Power Linux RAID adaptersLicense(s):CPL 1.0Link:http://sourceforge.net/projects/iprdd/

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<u>ipset</u>

Version (if any):6.38-3.el7_6Brief Description:Manage Linux IP setsLicense(s):GPL v2.0Link:http://ipset.netfilter.org/

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ipset-libs

Version (if any):6.38-3.el7_6Brief Description:Shared library providing the IP sets functionalityLicense(s):GPL v2.0Link:http://ipset.netfilter.org/

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iptables

Version (if any):1.4.21-28.el7Brief Description:Tools for managing Linux kernel packet filtering capabilitiesLicense(s):GPL v2.0Link:http://www.netfilter.org/

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<u>iputils</u>

Version (if any):20160308-10.el7Brief Description:Network monitoring tools including ping

July 31, 2019

version 1.0



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Link:	https://github.com/iputils/iputils

arping.c

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Authors: Alexey Kuznetsov, <kuznet@ms2.inr.ac.ru>

YOSHIFUJI Hideaki <yoshfuji@linux-ipv6.org>

The following notice is found in the file ping.c in iputils-s20160308.zip available for download at the website:

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irqbalance

Version (if any): 3:1.0.7-11.el7



Brief Description:IRQ balancing daemonLicense(s):GPL v2.0Link:https://github.com/Irqbalance/irqbalance

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<u>ivykis</u>

Version (if any):0.36.2-2.el7Brief Description:Library for asynchronous I/O readiness notificationLicense(s):LGPL v2.1Link:http://libivykis.sourceforge.net/

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iwl1000-firmware

Version (if any):	1:39.31.5.1-69.el7
Brief Description:	Firmware for Intel® PRO/Wireless 1000 B/G/N network adaptors
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl100-firmware

Version (if any):	39.31.5.1-69.el7
Brief Description:	Firmware for Intel(R) Wireless WiFi Link 100 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl105-firmware

Version (if any):	18.168.6.1-69.el7
Brief Description:	Firmware for Intel(R) Centrino Wireless-N 105 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/



See linux-firmware, below.

iwl135-firmware

Version (if any):	18.168.6.1-69.el7
Brief Description:	Firmware for Intel(R) Centrino Wireless-N 135 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl2000-firmware

Version (if any): Brief Description:	18.168.6.1-69.el7 Firmware for Intel(R) Centrino Wireless-N 2000 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl2030-firmware

Version (if any): Brief Description:	18.168.6.1-69.el7 Firmware for Intel(R) Centrino Wireless-N 2030 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl3160-firmware

Version (if any):	22.0.7.0-69.el7
Brief Description:	Firmware for Intel(R) Dual Band Wireless-AC 3160 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.



iwl3160-firmware

Version (if any):	22.0.7.0-69.el7
Brief Description:	Firmware for Intel(R) Dual Band Wireless-AC 3160 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl3945-firmware

Version (if any):	15.32.2.9-69.el7
Brief Description:	Firmware for Intel® PRO/Wireless 3945 A/B/G network adaptors
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl4965-firmware

Version (if any):	228.61.2.24-69.el7
Brief Description:	Firmware for Intel® PRO/Wireless 4965 A/G/N network adaptors
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl5000-firmware

Version (if any):	8.83.5.1_1-69.el7
Brief Description:	Firmware for Intel® PRO/Wireless 5000 A/G/N network adaptors
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.



iwl5150-firmware

Version (if any):	8.24.2.2-69.el7
Brief Description:	Firmware for Intel® PRO/Wireless 5150 A/G/N network adaptors
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl6000-firmware

Version (if any):	9.221.4.1-69.el7
Brief Description:	Firmware for Intel(R) Wireless WiFi Link 6000 AGN Adapter
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl6000g2a-firmware

Version (if any):	17.168.5.3-69.el7
Brief Description:	Firmware for Intel(R) Wireless WiFi Link 6005 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl6000g2b-firmware

Version (if any):	17.168.5.2-69.el7
Brief Description:	Firmware for Intel(R) Wireless WiFi Link 6030 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl6050-firmware



Version (if any):	41.28.5.1-69.el7
Brief Description:	Firmware for Intel(R) Wireless WiFi Link 6050 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl7260-firmware

Version (if any):	22.0.7.0-69.el7
Brief Description:	Firmware for Intel(R) Dual Band Wireless-AC 7260 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

iwl7265-firmware

Version (if any):	22.0.7.0-69.el7
Brief Description:	Firmware for Intel(R) Dual Band Wireless-AC 7265 Series Adapters
License(s):	Various
Link:	https://git.kernel.org/cgit/linux/kernel/git/firmware/linux-firmware.git/

See linux-firmware, below.

<u>jansson</u>

Version (if any):	2.10-1.el7
Brief Description:	C library for encoding, decoding and manipulating JSON data
License(s):	MIT
Link:	http://www.digip.org/jansson/

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jasper-libs

Version (if any):	1.900.1-33.el7
Brief Description:	Runtime libraries for jasper
License(s):	MIT
Link:	http://www.ece.uvic.ca/~frodo/jasper/

JasPer License Version 2.0

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java-1.8.0-openjdk

Version (if any):	1:1.8.0.212.b04-0.el7_6
Brief Description:	OpenJDK Runtime Environment
License(s):	GPL v2.0 with Classpath Exception
Link:	http://openjdk.java.net/

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java-1.8.0-openjdk-headless

Version (if any):	1:1.8.0.212.b04-0.el7_6
Brief Description:	OpenJDK Runtime Environment
License(s):	GPL v2.0 with Classpath Exception
Link:	http://openjdk.java.net/

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javapackages-tools

Version (if any):	3.4.1-11.el7
Brief Description:	Macros and scripts for Java packaging support
License(s):	BSD
Link:	https://fedorahosted.org/javapackages/



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jbigkit-libs

Version (if any):	2.0-11.el7
Brief Description:	JBIG1 lossless image compression library
License(s):	GPL v2.0
Link:	http://www.cl.cam.ac.uk/~mgk25/jbigkit/

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<u>ison-c</u>

Version (if any):	0.11-4.el7_0
Brief Description:	A JSON implementation in C
License(s):	MIT
Link:	https://github.com/json-c/json-c/wiki

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<u>kbd</u>

Version (if any):	1.15.5-15.el7
Brief Description:	Tools for configuring the console (keyboard, virtual terminals, etc.)
License(s):	GPL v2.0
Link:	http://ftp.altlinux.org/pub/people/legion/kbd

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kbd-legacy

Version (if any):	1.15.5-15.el7
Brief Description:	Legacy data for kbd package
License(s):	GPL v2.0
Link:	http://ftp.altlinux.org/pub/people/legion/kbd

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kbd-misc

Version (if any):	1.15.5-15.el7
Brief Description:	Data for kbd package
License(s):	GPL v2.0
Link:	http://ftp.altlinux.org/pub/people/legion/kbd

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<u>kernel</u>

Version (if any):	
Brief Description:	
License(s):	
Link:	

3.10.0-957.el7 The Linux kernel GPL v2.0 http://www.kernel.org/

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<u>kernel</u>

Version (if any):	3.10.0-957.21.3.el7
Brief Description:	The Linux kernel
License(s):	GPL v2.0
Link:	http://www.kernel.org/

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kernel-tools

Version (if any):3.10.0-957.21.3.el7Brief Description:Assortment of tools for the Linux kernelLicense(s):GPL v2.0Link:http://www.kernel.org/

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kernel-tools-libs

Version (if any):	3.10.0-957.21.3.el7
Brief Description:	Libraries for the kernels-tools
License(s):	GPL v2.0
Link:	http://www.kernel.org/

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kexec-tools

Version (if any): 2.0.15-21.el7_6.3



 Brief Description:
 The kexec/kdump userspace component.

 License(s):
 GPL v2.0

 Link:
 https://archlinux.pkgs.org/rolling/archlinux-extra-x86_64/kexec-tools-2.0.17-1-x86_64.pkg.tar.xz.html

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keyutils-libs

Version (if any):	1.5.8-3.el7
Brief Description:	Key utilities library
License(s):	LGPL v2.1
Link:	http://people.redhat.com/~dhowells/keyutils/

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<u>kmod</u>

Version (if any):	20-23.el7
Brief Description:	Linux kernel module management utilities
License(s):	GPL v2.0
Link:	http://git.kernel.org/?p=utils/kernel/kmod/kmod.git;a=summary

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kmod-libs

Version (if any):	20-23.el7
Brief Description:	Libraries to handle kernel module loading and unloading
License(s):	LGPL v2.1
Link:	http://git.kernel.org/?p=utils/kernel/kmod/kmod.git;a=summary

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<u>kpartx</u>

Version (if any):0.4.9-123.el7Brief Description:Partition device manager for device-mapper devicesLicense(s):GPL v2.0



Link: http://christophe.varoqui.free.fr/

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krb5-libs

Version (if any):1.15.1-37.el7_6Brief Description:The non-admin shared libraries used by Kerberos 5License(s):MITLink:http://web.mit.edu/kerberos/www/

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July 31, 2019

version 1.0



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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in src/lib/gssapi, including the following files:

lib/gssapi/generic/gssapi_err_generic.et

lib/gssapi/mechglue/g_accept_sec_context.c

lib/gssapi/mechglue/g_acquire_cred.c

lib/gssapi/mechglue/g_canon_name.c

lib/gssapi/mechglue/g_compare_name.c

lib/gssapi/mechglue/g_context_time.c

lib/gssapi/mechglue/g_delete_sec_context.c

lib/gssapi/mechglue/g_dsp_name.c

lib/gssapi/mechglue/g_dsp_status.c

lib/gssapi/mechglue/g_dup_name.c

lib/gssapi/mechglue/g_exp_sec_context.c

lib/gssapi/mechglue/g_export_name.c

lib/gssapi/mechglue/g_glue.c



lib/gssapi/mechglue/g_imp_name.c lib/gssapi/mechglue/g_imp_sec_context.c lib/gssapi/mechglue/g_init_sec_context.c lib/gssapi/mechglue/g_initialize.c lib/gssapi/mechglue/g_inquire_context.c lib/gssapi/mechglue/g_inquire_cred.c lib/gssapi/mechglue/g_inquire_names.c lib/gssapi/mechglue/g_process_context.c lib/gssapi/mechglue/g_rel_buffer.c lib/gssapi/mechglue/g_rel_cred.c lib/gssapi/mechglue/g_rel_name.c lib/gssapi/mechglue/g_rel_oid_set.c lib/gssapi/mechglue/g_seal.c lib/gssapi/mechglue/g_sign.c lib/gssapi/mechglue/g_store_cred.c lib/gssapi/mechglue/g_unseal.c lib/gssapi/mechglue/g_userok.c lib/gssapi/mechglue/g_utils.c lib/gssapi/mechglue/g_verify.c lib/gssapi/mechglue/gssd_pname_to_uid.c lib/gssapi/mechglue/mglueP.h lib/gssapi/mechglue/oid_ops.c lib/gssapi/spnego/gssapiP_spnego.h lib/gssapi/spnego/spnego_mech.c and the initial implementation of incremental propagation, including the following new or changed files:



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less

Version (if any):458-9.el7Brief Description:A text file browser similar to more, but betterLicense(s):GPL v3.0Link:http://www.greenwoodsoftware.com/less/

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libacl

Version (if any):2.2.51-14.el7Brief Description:Dynamic library for access control list supportLicense(s):LGPL v2.1Link:http://acl.bestbits.at/

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libaio

Version (if any):0.3.109-13.el7Brief Description:Linux-native asynchronous I/O access libraryLicense(s):LGPL v2.1Link:http://lse.sourceforge.net/io/aio.html

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libassuan

Version (if any):	2.1.0-3.el7
Brief Description:	GnuPG IPC library
License(s):	GPL v3.0 and LGPL v2.1
Link:	http://www.gnupg.org/

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assuan.c - Global interface (not specific to context).



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libattr

Version (if any):	2.4.46-13.el7
Brief Description:	Dynamic library for extended attribute support
License(s):	LGPL v2.1
Link:	http://acl.bestbits.at/

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libblkid

Version (if any):	2.23.2-59.el7_6.1
Brief Description:	Block device ID library
License(s):	LGPL v2.1
Link:	http://en.wikipedia.org/wiki/Util-linux

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libcap

Version (if any):2.22-9.el7Brief Description:Library for getting and setting POSIX.1e capabilitiesLicense(s):LGPL v2.1Link:http://ftp.kernel.org/pub/linux/libs/security/linux-privs/kernel-2.6/

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libcap-ng



Version (if any):0.7.5-4.el7Brief Description:An alternate posix capabilities libraryLicense(s):LGPL v2.1Link:http://people.redhat.com/sgrubb/libcap-ng

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libcom_err

Version (if any):	1.42.9-13.el7
Brief Description:	Common error description library
License(s):	MIT
Link:	http://e2fsprogs.sourceforge.net/

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libcroco

Version (if any):	0.6.12-4.el7
Brief Description:	A CSS2 parsing library
License(s):	LGPL v2.0
Link:	https://github.com/GNOME/libcroco

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libcurl

Version (if any):	7.29.0-51.el7
Brief Description:	A library for getting files from web servers
License(s):	MIT
Link:	http://curl.haxx.se/

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libdaemon

Version (if any):	0.14-7.el7
Brief Description:	Library for writing UNIX daemons
License(s):	LGPL v2.1
Link:	http://0pointer.de/lennart/projects/libdaemon/

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libdb

Version (if any):	5.3.21-24.el7
Brief Description:	The Berkeley DB database library for C
License(s):	Sleepycat License, BSD
Link:	http://www.oracle.com/database/berkeley-db/

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ASM: a very small and fast Java bytecode manipulation framework

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libdbi

Version (if any):	0.8.4-6.el7
Brief Description:	Database Independent Abstraction Layer for C
License(s):	LGPL v2.1
Link:	http://libdbi.sourceforge.net/

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libdb-utils

Version (if any):	5.3.21-24.el7
Brief Description:	Command line tools for managing Berkeley DB databases
License(s):	Sleepycat License, BSD
Link:	http://www.oracle.com/database/berkeley-db/

See libdb, above.

libdnet

Version (if any): 1.12-13.1.el7



Brief Description:Simple portable interface to lowlevel networking routinesLicense(s):BSDLink:http://code.google.com/p/libdnet/

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<u>libdrm</u>

Version (if any):2.4.91-3.el7Brief Description:Direct Rendering Manager runtime libraryLicense(s):MITLink:http://dri.sourceforge.net

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libedit

Version (if any):	3.0-12.20121213cvs.el7
Brief Description:	The NetBSD Editline library
License(s):	BSD
Link:	http://www.thrysoee.dk/editline/

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<u>libestr</u>

Version (if any):0.1.9-2.el7Brief Description:String handling essentials libraryLicense(s):LGPL v2.1Link:http://libestr.adiscon.com/

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libevent

Version (if any):	2.0.21-4.el7
Brief Description:	Abstract asynchronous event notification library
License(s):	BSD
Link:	http://sourceforge.net/projects/levent/

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libfastjson

Version (if any):	0.99.4-3.el7
Brief Description:	A JSON implementation in C
License(s):	MIT
Link:	https://github.com/rsyslog/libfastjson



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libffi

Version (if any):	3.0.13-18.el7
Brief Description:	Lorem ipsum dolor
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Link:	http://sourceware.org/libffi

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libfontenc

Version (if any):1.1.3-3.el7Brief Description:X.Org X11 libfontenc runtime libraryLicense(s):MITLink:http://www.x.org



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libgcc

Version (if any):	4.8.5-36.el7_6.2
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Link:	http://gcc.gnu.org

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libgcrypt

Version (if any):	1.5.3-14.el7
Brief Description:	A general-purpose cryptography library
License(s):	LGPL v2.1
Link:	http://www.gnupg.org/

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libglvnd

Version (if any):1:1.0.1-0.8.git5baa1e5.el7Brief Description:Vendor-neutral GL dispatch libraryLicense(s):VariousLink:https://github.com/NVIDIA/libglvnd



Acknowledgements

Thanks to Andy Ritger for the original libGLX implementation and README documentation.

libglvnd

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X.Org

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http://cgit.freedesktop.org/xorg/xserver

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http://cgit.freedesktop.org/mesa/mesa

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uthash

libglvnd uses the hash table implementation 'uthash':

http://troydhanson.github.io/uthash/

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buildconf

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http://freecode.com/projects/buildconf

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ax-pthread

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https://github.com/DaveGamble/cJSON

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libglvnd-egl

Version (if any):	1:1.0.1-0.8.git5baa1e5.el7
Brief Description:	Vendor-neutral GL dispatch library – EGL support
License(s):	Various
Link:	https://github.com/NVIDIA/libglvnd

See libglvnd, above.

libglvnd-glx

Version (if any):	1:1.0.1-0.8.git5baa1e5.el7
Brief Description:	Vendor-neutral GL dispatch library – GLX support
License(s):	Various
Link:	https://github.com/NVIDIA/libglvnd

See libglvnd, above.

libgomp

Version (if any):	4.8.5-36.el7_6.2
Brief Description:	GCC OpenMP v3.0 shared support library
License(s):	GPL v3.0 with Runtime Library Exception, GPL v2.0 and LGPL v2.1
Link:	http://gcc.gnu.org

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libgpg-error

Version (if any):1.12-3.el7Brief Description:Library for error values used by GnuPG componentsLicense(s):LGPL v2.1Link:ftp://ftp.gnupg.org/gcrypt/libgpg-error/

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<u>libICE</u>

Version (if any):	1.0.9-9.el7
Brief Description:	X.Org X11 ICE runtime library
License(s):	MIT
Link:	http://www.x.org

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<u>libicu</u>

Version (if any): 50.1.2-17.el7



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libidn

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Brief Description:	Internationalized Domain Name support library
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Link:	http://www.gnu.org/software/libidn/

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libjpeg-turbo

Version (if any):	1.2.90-6.el7
Brief Description:	A MMX/SSE2 accelerated library for manipulating JPEG image files
License(s):	IJG License
Link:	http://sourceforge.net/projects/libjpeg-turbo

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libmcrypt

Version (if any):	2.5.8-13.el7
Brief Description:	Encryption algorithms library
License(s):	LGPL v2.1
Link:	http://mcrypt.sourceforge.net/

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libmemcached

Version (if any):1.0.16-5.el7Brief Description:Client library and command line tools for memcached serverLicense(s):BSDLink:http://libmemcached.org/

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<u>libmnl</u>

Version (if any):	1.0.3-7.el7
Brief Description:	A minimalistic Netlink library
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Link:	http://netfilter.org/projects/libmnl

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<u>libmount</u>

Version (if any):	2.23.2-59.el7_6.1
Brief Description:	Device mounting library
License(s):	LGPL v2.1
Link:	http://en.wikipedia.org/wiki/Util-linux

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libmspack

Version (if any):	0.5-0.6.alpha.el7
Brief Description:	Library for CAB and related files compression and decompression
License(s):	LGPL v2.0
Link:	http://www.cabextract.org.uk/libmspack/

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<u>libndp</u>

Version (if any):1.2-7.el7Brief Description:Library for Neighbor Discovery ProtocolLicense(s):LGPL v2.1Link:http://www.libndp.org/

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<u>libnet</u>

Version (if any):	1.1.6-7.el7
Brief Description:	C library for portable packet creation and injection
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Link:	http://www.sourceforge.net/projects/libnet-dev/

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libnetfilter_conntrack

Version (if any):	1.0.6-1.el7_3
Brief Description:	Netfilter conntrack userspace library
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libnfnetlink

Version (if any):1.0.1-4.el7Brief Description:Netfilter netlink userspace libraryLicense(s):GPL v2.0Link:http://netfilter.org

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libnl3

Version (if any):	3.2.28-4.el7
Brief Description:	Convenience library for kernel netlink sockets
License(s):	LGPL v2.0
Link:	http://www.infradead.org/~tgr/libnl/

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<u>libnl3-cli</u>

Version (if any):	3.2.28-4.el7
Brief Description:	Command line interface utils for libnl3
License(s):	LGPL v2.0
Link:	http://www.infradead.org/~tgr/libnl/

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libpcap

Version (if any):14:1.5.3-11.el7Brief Description:A system-independent interface for user-level packet captureLicense(s):BSDLink:http://www.tcpdump.org

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libpciaccess

Version (if any):	0.14-1.el7
Brief Description:	PCI access library
License(s):	MIT
Link:	http://gitweb.freedesktop.org/?p=xorg/lib/libpciaccess.git

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libpipeline

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Brief Description:	A pipeline manipulation library
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Link:	http://libpipeline.nongnu.org/

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libpng

Version (if any):	2:1.5.13-7.el7_2
Brief Description:	A library of functions for manipulating PNG image format files
License(s):	zlib License
Link:	http://www.libpng.org/pub/png/

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Glenn Randers-Pehrson glennrp at users.sourceforge.net September 27, 2012

libpwquality



Version (if any):1.2.3-5.el7Brief Description:A library for password generation and password quality checkingLicense(s):GPL v2.0 or BSD, BSD selectedLink:https://github.com/libpwquality/libpwquality/

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libselinux

Version (if any):	2.5-14.1.el7
Brief Description:	SELinux library and simple utilities
License(s):	Public Domain
Link:	https://github.com/SELinuxProject/selinux/wiki



libselinux-python

Version (if any):	2.5-14.1.el7
Brief Description:	SELinux python bindings for libselinux
License(s):	Public Domain
Link:	https://github.com/SELinuxProject/selinux/wiki

libselinux-utils

Version (if any):	2.5-14.1.el7
Brief Description:	SELinux libselinux utilies
License(s):	Public Domain
Link:	https://github.com/SELinuxProject/selinux/wiki

libsemanage

Version (if any):	2.5-14.el7
Brief Description:	SELinux binary policy manipulation library
License(s):	LGPL v2.1
Link:	https://github.com/SELinuxProject/selinux/wiki

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libsepol

Version (if any):	2.5-10.el7
Brief Description:	SELinux binary policy manipulation library
License(s):	LGPL v2.1
Link:	https://github.com/SELinuxProject/selinux/wiki

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<u>libSM</u>

Version (if any):1.2.2-2.el7Brief Description:X.Org X11 SM runtime libraryLicense(s):MIT



Link:

http://www.x.org

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libsmartcols

Version (if any): 2.23.2-59.el7_6.1



Brief Description:Formatting library for Is-like programs.License(s):LGPL v2.1Link:https://github.com/karelzak/util-linux/tree/master/libsmartcols

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<u>libss</u>

Version (if any):	1.42.9-13.el7
Brief Description:	Command line interface parsing library
License(s):	MIT
Link:	http://e2fsprogs.sourceforge.net/

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libssh2

Version (if any):1.4.3-12.el7_6.2Brief Description:A library implementing the SSH2 protocolLicense(s):BSDLink:http://www.libssh2.org/

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libstdc++

Version (if any):4.8.5-36.el7_6.2Brief Description:GNU Standard C++ LibraryLicense(s):GPL v3.0 with Runtime Library Exception, GPL v2.0 and LGPL v2.1Link:http://gcc.gnu.org

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<u>libsysfs</u>

Version (if any):2.1.0-16.el7Brief Description:Shared library for interfacing with sysfsLicense(s):LGPL v2.1Link:http://sourceforge.net/projects/linux-diag/



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libtasn1

Version (if any):	4.10-1.el7
Brief Description:	The ASN.1 library used in GNUTLS
License(s):	GPL v3.0 and LGPL v2.1+
Link:	http://www.gnu.org/software/libtasn1/

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<u>libteam</u>

Version (if any):	1.27-5.el7
Brief Description:	Library for controlling team network device
License(s):	LGPL v2.1
Link:	http://www.libteam.org

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libthai

Version (if any):	0.1.14-9.el7
Brief Description:	Thai language support routines
License(s):	LGPL v2.1
Link:	http://linux.thai.net

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libtiff

Version (if any): Brief Description:	4.0.3-27.el7_3 Library of functions for manipulating TIFF format image files
License(s):	LibTiff License
Link:	http://www.remotesensing.org/libtiff/

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libtool-ltdl

Version (if any):	2.4.2-22.el7_3
Brief Description:	Runtime libraries for GNU Libtool Dynamic Module Loader
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Link:	http://www.gnu.org/software/libtool/

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libunistring

Version (if any):	0.9.3-9.el7
Brief Description:	GNU Unicode string library
License(s):	LGPL v3.0
Link:	http://www.gnu.org/software/libunistring/

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libuser

Version (if any):	0.60-9.el7
Brief Description:	A user and group account administration library
License(s):	LGPL v2.1
Link:	https://fedorahosted.org/libuser/

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<u>libutempter</u>

Version (if any):1.1.6-4.el7Brief Description:A privileged helper for utmp/wtmp updates



License(s):LGPL v2.1Link:ftp://ftp.altlinux.org/pub/people/ldv/utempter

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libuuid

Version (if any):	2.23.2-59.el7_6.1
Brief Description:	Universally unique ID library
License(s):	BSD
Link:	http://en.wikipedia.org/wiki/Util-linux

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<u>libverto</u>

Version (if any):	0.2.5-4.el7
Brief Description:	Main loop abstraction library
License(s):	MIT
Link:	https://fedorahosted.org/libverto/

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libwayland-client

Version (if any):	1.15.0-1.el7
Brief Description:	Wayland client library
License(s):	MIT
Link:	http://wayland.freedesktop.org/

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libwayland-server

Version (if any):	1.15.0-1.el7
Brief Description:	Wayland server library
License(s):	MIT
Link:	http://wayland.freedesktop.org/

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<u>libX11</u>

Version (if any):	1.6.5-2.el7
Brief Description:	Core X11 protocol client library
License(s):	MIT
Link:	http://www.x.org

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<u>libXau</u>

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libxcb

Version (if any):	1.13-1.el7
Brief Description:	A C binding to the X11 protocol
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Version (if any):0.4.4-4.1.el7Brief Description:X Composite Extension libraryLicense(s):MITLink:http://www.x.org

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<u>libXcursor</u>



Version (if any):	1.1.15-1.el7
Brief Description:	Cursor management library
License(s):	MIT
Link:	http://www.x.org

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libXdamage

Version (if any):	1.1.4-4.1.el7
Brief Description:	X Damage extension library
License(s):	MIT
Link:	http://www.x.org

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<u>libXext</u>

Version (if any):	1.3.3-3.el7
Brief Description:	X.Org X11 libXext runtime library
License(s):	MIT
Link:	http://www.x.org

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<u>libXfixes</u>

Version (if any):	5.0.3-1.el7
Brief Description:	X Fixes library
License(s):	MIT
Link:	http://www.x.org

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<u>libXft</u>

Version (if any):	2.3.2-2.el7
Brief Description:	X.Org X11 libXft runtime library
License(s):	MIT
Link:	http://www.x.org

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libXi

Version (if any):	1.7.9-1.el7
Brief Description:	X.Org X11 libXi runtime library
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Link:	http://www.x.org

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libXinerama

Version (if any):	1.1.3-2.1.el7
Brief Description:	X.Org X11 libXinerama runtime library
License(s):	MIT
Link:	http://www.x.org

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libxml2

Version (if any):2.9.1-6.el7_2.3Brief Description:Library providing XML and HTML supportLicense(s):MITLink:http://xmlsoft.org/

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libXrandr

Version (if any):1.5.1-2.el7Brief Description:X.Org X11 libXrandr runtime libraryLicense(s):MITLink:http://www.x.org

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<u>libXrender</u>

Version (if any):	0.9.10-1.el7
Brief Description:	X.Org X11 libXrender runtime library
License(s):	MIT
Link:	http://www.x.org

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libxshmfence

Version (if any):	1.2-1.el7
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Link:	http://www.x.org/

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<u>libxslt</u>

Version (if any):	1.1.28-5.el7
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Link:	http://xmlsoft.org/XSLT/

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<u>libXtst</u>

Version (if any):	1.2.3-1.el7
Brief Description:	X.Org X11 libXtst runtime library
License(s):	MIT
Link:	http://www.x.org

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libXxf86vm

Version (if any):	1.1.4-1.el7
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License(s):	MIT
Link:	http://www.x.org

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linux-firmware

Version (if any):	20180911-69.git85c5d90.el7
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agere_sta_fw.bin -- 9.48 Hermes I agere_ap_fw.bin -- 9.48 Hermes I

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Fast discrete Fourier and cosine transforms and inverses author: Monty <xiphmont@mit.edu> modifications by: Monty



last modification date: Jul 1 1996

/* These Fourier routines were originally based on the Fourier routines of the same names from the NETLIB bihar and fftpack fortran libraries developed by Paul N. Swarztrauber at the National Center for Atmospheric Research in Boulder, CO USA. They have been reimplemented in C and optimized in a few ways for OggSquish. */

/* As the original fortran libraries are public domain, the C Fourier routines in this file are hereby released to the public domain as well. The C routines here produce output exactly equivalent to the original fortran routines. Of particular interest are the facts that (like the original fortran), these routines can work on arbitrary length vectors that need not be powers of two in length. */

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Chelsio Communication Terminator 4/5 ethernet controller firmware

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The README file from the original package from Micronas appears below. Only the part about the firmware redistribution in section 0 is relevant, all other sections are completely obsolete.

WIS GO7007SB Public Linux Driver



*** Please see the file RELEASE-NOTES for important last-minute updates ***

0. OVERVIEW AND LICENSING/DISCLAIMER

This driver kit contains Linux drivers for the WIS GO7007SB multi-format video encoder. Only kernel version 2.6.x is supported. The video stream is available through the Video4Linux2 API and the audio stream is available through the ALSA API (or the OSS emulation layer of the ALSA system).

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1. SYSTEM REQUIREMENTS

This driver requires Linux kernel 2.6. Kernel 2.4 is not supported. Using kernel 2.6.10 or later is recommended, as earlier kernels are known to have unstable USB 2.0 support.

A fully built kernel source tree must be available. Typically this will be linked from "/lib/modules/<KERNEL VERSION>/build" for convenience. If this link does not exist, an extra parameter will need to be passed to the `make` command.

All vendor-built kernels should already be configured properly. However, for custom-built kernels, the following options need to be enabled in the kernel as built-in or modules:

CONFIG_HOTPLUG	 Support for hot-pluggable devices
CONFIG_MODULES	- Enable loadable module support
CONFIG_KMOD	- Automatic kernel module loading
CONFIG_FW_LOADER	- Hotplug firmware loading support



CONFIG_I2C- I2C supportCONFIG_VIDEO_DEV- Video For LinuxCONFIG_SOUND- Sound card supportCONFIG_SND- Advanced Linux Sound ArchitectureCONFIG_USB- Support for Host-side USBCONFIG_USB_DEVICEFS- USB device filesystemCONFIG_USB_EHCI_HCD- EHCI HCD (USB 2.0) support

Additionally, to use the example application, the following options need to be enabled in the ALSA section:

CONFIG_SND_MIXER_OSS - OSS Mixer API CONFIG_SND_PCM_OSS - OSS PCM (digital audio) API

The hotplug scripts, along with the fxload utility, must also be installed. These scripts can be obtained from <http://linux-hotplug.sourceforge.net/>. Hotplugging is used for loading firmware into the Cypruss EZ-USB chip using fxload and for loading firmware into the driver using the firmware agent.

2. COMPILING AND INSTALLING THE DRIVER

Most users should be able to compile the driver by simply running:

\$ make

in the top-level directory of the driver kit. First the kernel modules will be built, followed by the example applications.

If the build system is unable to locate the kernel source tree for the currently-running kernel, or if the module should be built for a kernel other than the currently-running kernel, an additional parameter will need to be passed to make to specify the appropriate kernel source directory:

\$ make KERNELSRC=/usr/src/linux-2.6.10-custom3

Once the compile completes, the driver and firmware files should be installed by running:

\$ make install

The kernel modules will be placed in "/lib/modules/<KERNEL VERSION>/extra" and the firmware files will be placed in the appropriate hotplug firmware directory, usually /lib/firmware. In addition, USB maps and scripts will be placed in /etc/hotplug/usb to enable fxload to initialize the EZ-USB control chip when the device is connected.

3. PAL/SECAM TUNER CONFIGURATION (TV402U-EU only)



The PAL model of the Plextor ConvertX TV402U may require additional configuration to correctly select the appropriate TV frequency band and audio subchannel.

Users with a device other than the Plextor ConvertX TV402U-EU should skip this section.

The wide variety of PAL TV systems used in Europe requires that additional information about the local TV standards be passed to the driver in order to properly tune TV channels. The two necessary parameters are (a) the PAL TV band, and (b) the audio subchannel format in use.

In many cases, the appropriate TV band selection is passed to the driver from applications. However, in some cases, the application only specifies that the driver should use PAL but not the specific information about the appropriate TV band. To work around this issue, the correct TV band may be specified in the "force_band" parameter to the wis-sony-tuner module:

TV band	force_band	
PAL B/G	В	
PALI	I	
PAL D/K	D	
SECAM L	L	

If the "force_band" parameter is specified, the driver will ignore any TV band specified by applications and will always use the band provided in the module parameter.

The other parameter that can be specified is the audio subchannel format. There are several stereo audio carrier systems in use, including NICAM and three varieties of A2. To receive audio broadcast on one of these stereo carriers, the "force_mpx_mode" parameter must be specified to the wis-sony-tuner module.

TV band	Audio subcarrier	force_mpx_mode	
PAL B/G	Mono (default)	1	
PAL B/G	A2	2	
PAL B/G	NICAM	3	
PALI	Mono (default)	4	
PALI	NICAM	5	
PAL D/K	Mono (default)	6	
PAL D/K	A2 (1)	7	
PAL D/K	A2 (2)	8	
PAL D/K	A2 (3)	9	
PAL D/K	NICAM	10	
SECAM L	Mono (default)	11	
SECAM L	NICAM	12	

If the "force_mpx_mode" parameter is not specified, the correct mono-only mode will be chosen based on the TV band. However, the tuner will not



receive stereo audio or bilingual broadcasts correctly.

To pass the "force_band" or "force_mpx_mode" parameters to the wis-sony-tuner module, the following line must be added to the modprobe configuration file, which varies from one Linux distribution to another.

options wis-sony-tuner force_band=B force_mpx_mode=2

The above example would force the tuner to the PAL B/G TV band and receive stereo audio broadcasts on the A2 carrier.

To verify that the configuration has been placed in the correct location, execute:

\$ modprobe -c | grep wis-sony-tuner

If the configuration line appears, then modprobe will pass the parameters correctly the next time the wis-sony-tuner module is loaded into the kernel.

4. TESTING THE DRIVER

Because few Linux applications are able to correctly capture from Video4Linux2 devices with only compressed formats supported, the new driver should be tested with the "gorecord" application in the apps/ directory.

First connect a video source to the device, such as a DVD player or VCR. This will be captured to a file for testing the driver. If an input source is unavailable, a test file can still be captured, but the video will be black and the audio will be silent.

This application will auto-detect the V4L2 and ALSA/OSS device names of the hardware and will record video and audio to an AVI file for a specified number of seconds. For example:

\$ apps/gorecord -duration 60 capture.avi

If this application does not successfully record an AVI file, the error messages produced by gorecord and recorded in the system log (usually in /var/log/messages) should provide information to help resolve the problem.

Supplying no parameters to gorecord will cause it to probe the available devices and exit. Use the -help flag for usage information.

5. USING THE DRIVER

The V4L2 device implemented by the driver provides a standard compressed format API, within the following criteria:



- * Applications that only support the original Video4Linux1 API will not be able to communicate with this driver at all.
- * No raw video modes are supported, so applications like xawtv that expect only uncompressed video will not function.
- * Supported compression formats are: Motion-JPEG, MPEG1, MPEG2 and MPEG4.
- * MPEG video formats are delivered as Video Elementary Streams only. Program Stream (PS), Transport Stream (TS) and Packetized Elementary Stream (PES) formats are not supported.
- * Video parameters such as format and input port may not be changed while the encoder is active.
- * The audio capture device only functions when the video encoder is actively capturing video. Attempts to read from the audio device when the encoder is inactive will result in an I/O error.
- * The native format of the audio device is 48Khz 2-channel 16-bit little-endian PCM, delivered through the ALSA system. No audio compression is implemented in the hardware. ALSA may convert to other uncompressed formats on the fly.

The include/ directory contains a C header file describing non-standard features of the GO7007SB encoder, which are described below:

GO7007IOC_S_COMP_PARAMS, GO7007IOC_G_COMP_PARAMS

These ioctls are used to negotiate general compression parameters.

To query the current parameters, call the GO7007IOC_G_COMP_PARAMS ioctl with a pointer to a struct go7007_comp_params. If the driver is not set to MPEG format, the EINVAL error code will be returned.

To change the current parameters, initialize all fields of a struct go7007_comp_params and call the GO7007_IOC_S_COMP_PARAMS ioctl with a pointer to this structure. The driver will return the current parameters with any necessary changes to conform to the limitations of the hardware or current compression mode. Any or all fields can be set to zero to request a reasonable default value. If the driver is not set to MPEG format, the EINVAL error code will be returned. When I/O is in progress, the EBUSY error code will be returned.

Fields in struct go7007_comp_params:

u32	The maximum number of frames in each
gop_size	Group Of Pictures; i.e. the maximum
	number of frames minus one between
	each key frame.



__u32 The maximum number of sequential max_b_frames bidirectionally-predicted frames. (B-frames are not yet supported.)

enum go7007_aspect_ratio The aspect ratio to be encoded in the aspect_ratio meta-data of the compressed format.

Choices are: GO7007_ASPECT_RATIO_1_1 GO7007_ASPECT_RATIO_4_3_NTSC GO7007_ASPECT_RATIO_4_3_PAL GO7007_ASPECT_RATIO_16_9_NTSC GO7007_ASPECT_RATIO_16_9_PAL

__u32 Bit-wise OR of control flags (below) flags

Flags in struct go7007_comp_params:

GO7007_COMP_CLOSED_GOP Only produce self-contained GOPs, used to produce streams appropriate for random seeking.

GO7007_COMP_OMIT_SEQ_HEADER Omit the stream sequence header.

GO7007IOC_S_MPEG_PARAMS, GO7007IOC_G_MPEG_PARAMS

These ioctls are used to negotiate MPEG-specific stream parameters when the pixelformat has been set to V4L2_PIX_FMT_MPEG.

To query the current parameters, call the GO7007IOC_G_MPEG_PARAMS ioctl with a pointer to a struct go7007_mpeg_params. If the driver is not set to MPEG format, the EINVAL error code will be returned.

To change the current parameters, initialize all fields of a struct go7007_mpeg_params and call the GO7007_IOC_S_MPEG_PARAMS ioctl with a pointer to this structure. The driver will return the current parameters with any necessary changes to conform to the limitations of the hardware or selected MPEG mode. Any or all fields can be set to zero to request a reasonable default value. If the driver is not set to MPEG format, the EINVAL error code will be returned. When I/O is in progress, the EBUSY error code will be returned.

Fields in struct go7007_mpeg_params:

enum go7007_mpeg_video_standard mpeg_video_standard The MPEG video standard in which to compress the video.

Choices are:



GO7007_	_MPEG_	_VIDEO_	_MPEG1
GO7007_	_MPEG_	_VIDEO_	_MPEG2
GO7007_	_MPEG_	_VIDEO_	_MPEG4

__u32 Bit-wise OR of control flags (below) flags

u32

pali

The profile and level indication to be stored in the sequence header. This is only used as an indicator to the decoder, and does not affect the MPEG features used in the video stream. Not valid for MPEG1.

> Choices for MPEG2 are: GO7007_MPEG2_PROFILE_MAIN_MAIN

Choices for MPEG4 are: GO7007_MPEG4_PROFILE_S_L0 GO7007_MPEG4_PROFILE_S_L1 GO7007_MPEG4_PROFILE_S_L2 GO7007_MPEG4_PROFILE_S_L3 GO7007_MPEG4_PROFILE_ARTS_L1 GO7007_MPEG4_PROFILE_ARTS_L3 GO7007_MPEG4_PROFILE_ARTS_L4 GO7007_MPEG4_PROFILE_AS_L0 GO7007_MPEG4_PROFILE_AS_L1 GO7007_MPEG4_PROFILE_AS_L2 GO7007_MPEG4_PROFILE_AS_L2 GO7007_MPEG4_PROFILE_AS_L3 GO7007_MPEG4_PROFILE_AS_L3 GO7007_MPEG4_PROFILE_AS_L3 GO7007_MPEG4_PROFILE_AS_L4 GO7007_MPEG4_PROFILE_AS_L4 GO7007_MPEG4_PROFILE_AS_L4

Flags in struct go7007_mpeg_params:

GO7007_MPEG_FORCE_DVD_MODE Force all compression parameters and bitrate control settings to comply with DVD MPEG2 stream requirements. This overrides most compression and bitrate settings!

GO7007_MPEG_OMIT_GOP_HEADER Omit the GOP header.

GO7007_MPEG_REPEAT_SEQHEADER Repeat the MPEG sequence header at the start of each GOP.

GO7007IOC_S_BITRATE, GO7007IOC_G_BITRATE

These ioctls are used to set and query the target bitrate value for the compressed video stream. The bitrate may be selected by storing the target bits per second in an int and calling GO7007IOC_S_BITRATE with a



pointer to the int. The bitrate may be queried by calling GO7007IOC_G_BITRATE with a pointer to an int where the current bitrate will be stored.

Note that this is the primary means of controlling the video quality for all compression modes, including V4L2_PIX_FMT_MJPEG. The VIDIOC_S_JPEGCOMP ioctl is not supported.

Installing the WIS PCI Voyager Driver

The WIS PCI Voyager driver requires several patches to the Linux 2.6.11.x kernel source tree before compiling the driver. These patches update the in-kernel SAA7134 driver to the newest development version and patch bugs in the TDA8290/TDA8275 tuner driver.

The following patches must be downloaded from Gerd Knorr's website and applied in the order listed:

http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner2 http://dl.bytesex.org/patches/2.6.11-2/v4l2-api-mpeg http://dl.bytesex.org/patches/2.6.11-2/saa7134-update

The following patches are included with this SDK and can be applied in any order:

patches/2.6.11/saa7134-voyager.diff patches/2.6.11/tda8275-newaddr.diff patches/2.6.11/tda8290-ntsc.diff

Check to make sure the CONFIG_VIDEO_SAA7134 option is enabled in the kernel configuration, and build and install the kernel.

After rebooting into the new kernel, the GO7007 driver can be compiled and installed:

\$ make SAA7134_BUILD=y
\$ make install
\$ modprobe saa7134-go7007

There will be two V4L video devices associated with the PCI Voyager. The first device (most likely /dev/video0) provides access to the raw video capture mode of the SAA7133 device and is used to configure the source video parameters and tune the TV tuner. This device can be used with xawtv or other V4L(2) video software as a standard uncompressed device.

The second device (most likely /dev/video1) provides access to the compression functions of the GO7007. It can be tested using the gorecord application in the apps/ directory of this SDK:



\$ apps/gorecord -vdevice /dev/video1 -noaudio test.avi

Currently the frame resolution is fixed at 720x480 (NTSC) or 720x576 (PAL), and the video standard must be specified to both the raw and the compressed video devices (xawtv and gorecord, for example).

RELEASE NOTES FOR WIS GO7007SB LINUX DRIVER

Last updated: 5 November 2005

- Release 0.9.7 includes new support for using udev to run fxload. The install script should automatically detect whether the old hotplug scripts or the new udev rules should be used. To force the use of hotplug, run "make install USE_UDEV=n". To force the use of udev, run "make install USE_UDEV=y".
- Motion detection is supported but undocumented. Try the `modet` app for a demonstration of how to use the facility.
- Using USB2.0 devices such as the TV402U with USB1.1 HCDs or hubs can cause buffer overruns and frame drops, even at low framerates, due to inconsistency in the bitrate control mechanism.
- On devices with an SAA7115, including the Plextor ConvertX, video height values of 96, 128, 160, 192, 256, 320, and 384 do not work in NTSC mode. All valid heights up to 512 work correctly in PAL mode.
- The WIS Star Trek and PCI Voyager boards have no support yet for audio or the TV tuner.
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Iksctp-tools

Version (if any):	1.0.17-2.el7
Brief Description:	User-space access to Linux Kernel SCTP
License(s):	GPL v2.0 and LGPL v2.1
Link:	http://lksctp.sourceforge.net

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Im_sensors-libs

Version (if any):	3.4.0-6.20160601gitf9185e5.el7
Brief Description:	Lm_sensors core libraries
License(s):	GPL v2.0 and LGPL v2.1
Link:	http://github.com/groeck/lm-sensors/

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The following notice is found in the file README in Im_sensors-3.4.0.tar.bz2 available for download from the website: https://ftp.gwdg.de/pub/linux/misc/Im-sensors/Im_sensors-3.4.0.tar.bz2

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logrotate

Version (if any): Brief Description:	3.8.6-17.el7 Rotates, compresses, removes and mails system log files
License(s):	GPL v2.0
Link:	https://github.com/logrotate/logrotate

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<u>lshw</u>

Version (if any):	B.02.18-12.el7
Brief Description:	HardWare LiSter
License(s):	GPL v2.0
Link:	http://ezix.org/project/wiki/HardwareLiSter

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lsscsi

Version (if any):0.27-6.el7Brief Description:List SCSI devices (or hosts) and associated informationLicense(s):GPL v2.0Link:http://sg.danny.cz/scsi/lsscsi.html

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<u>lua</u>

Version (if any): 5.1.4-15.el7



Brief Description:Powerful light-weight programming languageLicense(s):MITLink:http://www.lua.org/

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<u>luajit</u>

Version (if any):	2.0.4-3.el7
Brief Description:	Just-In-Time Compiler for Lua
License(s):	MIT
Link:	http://luajit.org/

LuaJIT -- a Just-In-Time Compiler for Lua. http://luajit.org/

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lvm2

Version (if any):7:2.02.180-10.el7_6.7Brief Description:Userland logical volume management toolsLicense(s):GPL v2.0Link:http://sources.redhat.com/lvm2

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<u>lvm2-libs</u>



Version (if any):7:2.02.180-10.el7_6.7Brief Description:Shared libraries for lvm2License(s):LGPL v2.0Link:http://sources.redhat.com/lvm2

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lz4

Version (if any):1.7.5-2.el7Brief Description:Extremely fast compression algorithmLicense(s):GPL v2.0 and BSDLink:https://lz4.github.io/lz4/

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<u>lzo</u>

Version (if any):2.06-8.el7Brief Description:Data compression library with very fast (de)compressionLicense(s):GPL v2.0



Link: http://www.oberhumer.com/opensource/lzo/

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<u>make</u>

Version (if any):	1:3.82-23.el7
Brief Description:	A GNU tool which simplifies the build process for users
License(s):	GPL v2.0
Link:	http://www.gnu.org/software/make/

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man-db

Version (if any):	2.6.3-11.el7
Brief Description:	Tools for searching and reading man pages
License(s):	GPL v2.0
Link:	http://www.nongnu.org/man-db/

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mariadb-libs

Version (if any):	1:5.5.60-1.el7_5
Brief Description:	The shared libraries required for MariaDB/MySQL clients
License(s):	GPL v2.0 with FOSS License Exception
Link:	http://mariadb.org

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memcached

Version (if any): 1.5.12-1.el7.remi



Brief Description:High Performance, Distributed Memory Object CacheLicense(s):BSDLink:http://www.memcached.org/

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mesa-libEGL

Version (if any):	18.0.5-4.el7_6
Brief Description:	Mesa libEGL runtime libraries
License(s):	MIT
Link:	http://www.mesa3d.org

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mesa-libgbm

Version (if any):	18.0.5-4.el7_6
Brief Description:	Mesa gbm library
License(s):	MIT
Link:	http://www.mesa3d.org

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mesa-libGL

18.0.5-4.el7_6
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mesa-libglapi

Version (if any):	18.0.5-4.el7_6
Brief Description:	Mesa shared glapi
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Link:	http://www.mesa3d.org

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microcode_ctl

Version (if any):	2:2.1-47.4.el7_6
Brief Description:	Tool to transform and deploy CPU microcode update for x86.
License(s):	GPL v2.0



Link: <u>https://pagure.io/microcode_ctl</u>

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mozjs17

Version (if any):	17.0.0-20.el7
Brief Description:	JavaScript interpreter and libraries
License(s):	GPL v2.0 or LGPL v2.1 or MPL 1.1
Link:	http://www.mozilla.org/js/

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<u>ncurses</u>

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<u>net-snmp</u>

Version (if any):	1:5.7.2-37.el7
Brief Description:	A collection of SNMP protocol tools and libraries
License(s):	BSD
Link:	http://net-snmp.sourceforge.net/

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net-snmp-agent-libs

Version (if any):	1:5.7.2-37.el7
Brief Description:	The NET-SNMP runtime agent libraries
License(s):	BSD
Link:	http://net-snmp.sourceforge.net/

See net-snmp, above.

net-snmp-libs

Version (if any):	1:5.7.2-37.el7
Brief Description:	The NET-SNMP runtime client libraries
License(s):	BSD
Link:	http://net-snmp.sourceforge.net/

See net-snmp, above.

net-tools

Version (if any):	2.0-0.24.20131004git.el7
Brief Description:	Basic networking tools
License(s):	GPL v2.0
Link:	http://sourceforge.net/projects/net-tools/

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NetworkManager

Version (if any):	1:1.12.0-10.el7_6
Brief Description:	Network connection manager and user applications
License(s):	GPL v2.0
Link:	http://www.gnome.org/projects/NetworkManager/

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NetworkManager-libnm

Version (if any):1:1.12.0-10.el7_6Brief Description:Libraries for adding NetworkManager support to applications (new API).License(s):GPL v2.0Link:http://www.gnome.org/projects/NetworkManager/

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NetworkManager-team

Version (if any):	1:1.12.0-10.el7_6
Brief Description:	Team device plugin for NetworkManager
License(s):	GPL v2.0
Link:	http://www.gnome.org/projects/NetworkManager/

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NetworkManager-tui

Version (if any):	1:1.12.0-10.el7_6
Brief Description:	NetworkManager curses-based UI
License(s):	GPL v2.0
Link:	http://www.gnome.org/projects/NetworkManager/

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newt

Version (if any):	0.52.15-4.el7
Brief Description:	A library for text mode user interfaces
License(s):	LGPL v2.0
Link:	https://fedorahosted.org/newt/

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newt-python



Version (if any):0.52.15-4.el7Brief Description:Python bindings for newtLicense(s):LGPL v2.0Link:https://fedorahosted.org/newt/

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nmap-ncat

Version (if any):	2:6.40-16.el7
Brief Description:	Nmap's Netcat replacement
License(s):	GPL v2.0 and Nmap License
Link:	http://nmap.org/

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<u>nspr</u>

Version (if any):	4.19.0-1.el7_5
Brief Description:	Netscape Portable Runtime
License(s):	MPL 2.0
Link:	http://www.mozilla.org/projects/nspr/

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<u>nss</u>

Version (if any):3.36.0-7.1.el7_6Brief Description:Network Security ServicesLicense(s):MPL 2.0



Link: http://www.mozilla.org/projects/security/pki/nss/

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<u>nss-pem</u>

Version (if any):	1.0.3-5.el7_6.1
Brief Description:	PEM file reader for Network Security Services (NSS)
License(s):	MPL 1.1
Link:	https://github.com/kdudka/nss-pem

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nss-softokn

Version (if any):	3.36.0-5.el7_5
Brief Description:	Network Security Services Softoken Module
License(s):	MPL 2.0
Link:	http://www.mozilla.org/projects/security/pki/nss/

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nss-softokn-freebl

Version (if any):	3.36.0-5.el7_5
Brief Description:	Freebl library for the Network Security Services
License(s):	MPL 2.0
Link:	http://www.mozilla.org/projects/security/pki/nss/

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nss-sysinit

Version (if any):	3.36.0-7.1.el7_6
Brief Description:	System NSS Initialization
License(s):	MPL 2.0
Link:	http://www.mozilla.org/projects/security/pki/nss/

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<u>nss-tools</u>

Version (if any):3.36.0-7.1.el7_6Brief Description:Tools for the Network Security ServicesLicense(s):MPL 2.0Link:http://www.mozilla.org/projects/security/pki/nss/

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<u>nss-util</u>

Version (if any):	3.36.0-1.1.el7_6
Brief Description:	Network Security Services Utilities Library
License(s):	MPL 2.0
Link:	http://www.mozilla.org/projects/security/pki/nss/

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<u>ntp</u>

Version (if any):	4.2.6p5-28.el7.centos
Brief Description:	The NTP daemon and utilities
License(s):	MIT
Link:	http://www.ntp.org

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ntpdate

Version (if any):	4.2.6p5-28.el7.centos
Brief Description:	Utility to set the date and time via NTP
License(s):	MIT
Link:	http://www.ntp.org



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numactl-libs

Version (if any):	2.0.9-7.el7
Brief Description:	libnuma libraries
License(s): Link:	LGPL v2.0 and GPL v2.0 URL

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openIdap

Version (if any):	2.4.44-21.el7_6
Brief Description:	LDAP support libraries
License(s):	BSD, BSD-style, ISC, MIT, and PHP License
Link:	http://www.openIdap.org/

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openssh

Version (if any):	7.4p1-16.el7
Brief Description:	An open source implementation of SSH protocol versions 1 and 2
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Link:	http://www.openssh.com/portable.html

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- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
- Blowfish is now external, in the OpenSSL library

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Cryptographic attack detector for ssh - source code

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Ariel Futoransky <futo@core-sdi.com> <http://www.core-sdi.com>

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The Rijndael implementation by Vincent Rijmen, Antoon Bosselaers and Paulo Barreto is in the public domain and distributed with the following license:

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

@author Paulo Barreto <paulo.barreto@terra.com.br>

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b) snprintf replacement

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openssh-clients

Version (if any):	7.4p1-16.el7
Brief Description:	An open source SSH client applications
License(s):	OpenSSH License
Link:	http://www.openssh.com/portable.html

See openssh, above.

openssh-server

Version (if any): 7.4p1-16.el7



Brief Description:An open source SSH server daemonLicense(s):OpenSSH LicenseLink:http://www.openssh.com/portable.html

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<u>openssl</u>

Version (if any):1:1.0.2k-16.el7_6.1Brief Description:Utilities from the general purpose cryptography library with TLS implementationLicense(s):OpenSSL License and SSLeay LicenseLink:http://www.openssl.org/

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openssl-libs

Version (if any):1:1.0.2k-16.el7_6.1Brief Description:A general purpose cryptography library with TLS implementationLicense(s):OpenSSL License and SSLeay LicenseLink:http://www.openssl.org/

See openssl, above.

open-vm-tools

Version (if any): Brief Description:	10.2.5-3.el7 Open Virtual Machine Tools for virtual machines hosted on VMware
License(s):	GPL v2.0
Link:	https://github.com/vmware/open-vm-tools

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open-vpn

Version (if any):	2.4.6-1.el7
Brief Description:	A full-featured SSL VPN solution
License(s):	GPL v2.0
Link:	https://community.openvpn.net/

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os-prober

Version (if any):	1.58-9.el7
Brief Description:	Probes disks on the system for installed operating systems.
License(s):	GPL v2.0
Link:	http://kitenet.net/~joey/code/os-prober/



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<u>p11-kit</u>

Version (if any):	0.23.5-3.el7
Brief Description:	Library for loading and sharing PKCS#11 modules
License(s):	BSD
Link:	http://p11-glue.freedesktop.org/p11-kit.html

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p11-kit-trust

Version (if any):	0.23.5-3.el7
Brief Description:	System trust module from p11-kit
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Link:	http://p11-glue.freedesktop.org/p11-kit.html

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<u>pam</u>

Version (if any):	1.1.8-22.el7
Brief Description:	An extensible library which provides authentication for applications
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Link:	http://www.linux-pam.org/

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<u>pango</u>

Version (if any):	1.42.4-2.el7_6
Brief Description:	System for layout and rendering of internationalized text
License(s):	LGPL v2.1
Link:	http://www.pango.org

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parted

Version (if any):3.1-29.el7Brief Description:The GNU disk partition manipulation programLicense(s):GPL v3.0Link:http://www.gnu.org/software/parted

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<u>passwd</u>

Version (if any): Brief Description:	0.79-4.el7 An utility for setting or changing passwords using PAM
License(s):	GPL v2.0 or BSD, BSD selected
Link:	http://fedorahosted.org/passwd

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patch

Version (if any):2.7.1-10.el7_5Brief Description:Utility for modifying/upgrading filesLicense(s):GPL v3.0Link:http://www.gnu.org/software/patch/patch.html

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pciutils

Version (if any):3.5.1-3.el7Brief Description:PCI bus related utilitiesLicense(s):GPL v2.0Link:http://atrey.karlin.mff.cuni.cz/~mj/pciutils.shtml

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pciutils-libs



Version (if any):3.5.1-3.el7Brief Description:Linux PCI libraryLicense(s):GPL v2.0Link:http://atrey.karlin.mff.cuni.cz/~mj/pciutils.shtml

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<u>pcre</u>

Version (if any):	8.32-17.el7
Brief Description:	Perl-compatible regular expression library
License(s):	BSD
Link:	http://www.pcre.org/

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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

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Written by: Philip Hazel Email local part: ph10 Email domain: cam.ac.uk

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pcsc-lite-libs

Version (if any):1.8.8-8.el7Brief Description:PC/SC Lite libraries



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<u>perl</u>

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perl-Carp

Version (if any):1.26-244.el7Brief Description:Alternative warn and die for modules



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perl-constant

Version (if any):	1.27-2.el7
Brief Description:	Perl pragma to declare constants
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Link:	http://search.cpan.org/dist/constant/

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perl-Data-Dumper

Version (if any):	2.145-3.el7
Brief Description:	Stringify perl data structures, suitable for printing and eval
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/Data-Dumper/

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perl-Encode

Version (if any):	2.51-7.el7
Brief Description:	Character encodings in Perl
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/Encode/

This project was originated by Nick Ing-Simmons and later maintained by Dan Kogai <dankogai@dan.co.jp>. See AUTHORS for the full list of people involved: https://metacpan.org/source/DANKOGAI/Encode-3.01/AUTHORS

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perl-Error

Version (if any):	1:0.17020-2.el7
Brief Description:	Error/exception handling in an OO-ish way
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/Error/

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perl-Exporter

Version (if any):	5.68-3.el7
Brief Description:	Implements default import method for modules
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/Exporter/

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perl-File-Path

Version (if any):	2.09-2.el7
Brief Description:	Create or remove directory trees
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/File-Path/

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perl-File-Temp

Version (if any):	0.23.01-3.el7
Brief Description:	Return name and handle of a temporary file safely
License(s):	GPL v2.0 or Artistic License, Artistic License selected



Link: http://search.cpan.org/dist/File-Temp/

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perl-Filter

Version (if any):1.49-3.el7Brief Description:Perl source filtersLicense(s):GPL v2.0 or Artistic License, Artistic License selectedLink:http://search.cpan.org/dist/Filter/

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perl-Getopt-Long

Version (if any):2.40-3.el7Brief Description:Extended processing of command line optionsLicense(s):GPL v2.0 or Artistic License, Artistic License selectedLink:http://search.cpan.org/dist/Getopt-Long/

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perl-Git

Version (if any):	1.8.3.1-20.el7
Brief Description:	Perl interface to Git
License(s):	GPL v2.0
Link:	http://git-scm.com/

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perl-HTTP-Tiny



Version (if any):0.033-3.el7Brief Description:Small, simple, correct HTTP/1.1 clientLicense(s):GPL v2.0 or Artistic License, Artistic License selectedLink:http://search.cpan.org/dist/HTTP-Tiny/

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perl-libs

Version (if any):4:5.16.3-294.el7_6Brief Description:The libraries for the perl runtimeLicense(s):GPL v2.0 or Artistic License, Artistic License selectedLink:http://www.perl.org/

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perl-macros

Version (if any):	4:5.16.3-294.el7_6
Brief Description:	Macros for rpmbuild
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://www.perl.org/

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perl-parent

Version (if any):1:0.225-244.el7Brief Description:Establish an ISA relationship with base classes at compile timeLicense(s):GPL v2.0 or Artistic License, Artistic License selectedLink:http://search.cpan.org/dist/parent/



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perl-PathTools

Version (if any):	3.40-5.el7
Brief Description:	PathTools Perl module (Cwd, File::Spec)
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/PathTools/

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perl-Pod-Escapes

Version (if any):	1:1.04-294.el7_6
Brief Description:	Perl module for resolving POD escape sequences
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://www.perl.org/

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Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent http://www.w3.org/TR/xhtml1/DTD/xhtml-symbol.ent

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perl-podlators

Version (if any): 2.5.1-3.el7



Brief Description:Format POD source into various output formatsLicense(s):GPL v2.0 or Artistic License, Artistic License selectedLink:http://search.cpan.org/dist/podlators/

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perl-Pod-Perldoc

Version (if any):	3.20-4.el7
Brief Description:	Look up Perl documentation in Pod format
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/Pod-Perldoc/

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perl-Pod-Simple

Version (if any):	1:3.28-4.el7
Brief Description:	Framework for parsing POD documentation
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/Pod-Simple/

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perl-Pod-Usage

Version (if any):1.63-3.el7Brief Description:Print a usage message from embedded POD documentationLicense(s):GPL v2.0 or Artistic License, Artistic License selectedLink:http://search.cpan.org/dist/Pod-Usage/

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perl-Scalar-List-Utils

Version (if any):1.27-248.el7Brief Description:A selection of general-utility scalar and list subroutinesLicense(s):GPL v2.0 or Artistic License, Artistic License selectedLink:http://search.cpan.org/dist/Scalar-List-Utils/

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perl-Socket

Version (if any):	2.010-4.el7
Brief Description:	Networking constants and support functions
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/Socket/

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perl-Storable

Version (if any):	2.45-3.el7
Brief Description:	Persistence for Perl data structures
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/Storable/

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perl-TermReadKey

Version (if any): 2.30-20.el7



 Brief Description:
 A perl module for simple terminal control

 License(s):
 See below

 Link:
 http://search.cpan.org/~jstowe/TermReadKey/

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perl-Text-ParseWords

Version (if any):	3.29-4.el7
Brief Description:	Parse text into an array of tokens or array of arrays
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/Text-ParseWords/

Maintainer: Alexandr Ciornii. Previous maintainer: Hal Pomeranz cpomeranz@netcom.com>, 1994-1997 (Original author unknown). Much of the code for &parse_line() (including the primary regexp) from Joerk Behrends <jbehrends@multimediaproduzenten.de>. Examples section another documentation provided by John Heidemann <johnh@ISI.EDU>.

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perl-threads

Version (if any):	1.87-4.el7
Brief Description:	Perl interpreter-based threads
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/threads/

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perl-threads-shared

Version (if any):	1.43-6.el7
Brief Description:	Perl extension for sharing data structures between threads
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/threads-shared/



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perl-Time-HiRes

Version (if any):	4:1.9725-3.el7
Brief Description:	High resolution alarm, sleep, gettimeofday, interval timers
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/Time-HiRes/

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perl-Time-Local

Version (if any):	1.2300-2.el7
Brief Description:	Efficiently compute time from local and GMT time
License(s):	GPL v2.0 or Artistic License, Artistic License selected
Link:	http://search.cpan.org/dist/Time-Local/

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perl-WWW-Curl

Version (if any):	4.15-13.el7
Brief Description:	Perl extension interface for libcurl
License(s):	MPL v1.1 or MIT, MIT selected
Link:	http://search.cpan.org/dist/WWW-Curl/

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php-cli

Version (if any):	7.1.24-1.el7.remi
Brief Description:	Command-line interface for PHP
License(s):	PHP License v3.01
Link:	http://www.php.net/

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php-common

Version (if any):	7.1.24-1.el7.remi
Brief Description:	Common files for PHP
License(s):	Various, including PHP License v3.01 and MIT
Link:	http://www.php.net/

Phar and generally: See Open Source Licenses below for complete copy of the PHP License v3.01.

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timelib:

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libmagic:

Author: Christos Zoulas <christos@zoulas.com>. Download: ftp://ftp.astron.com/pub/file/

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php-fedora-autoloader

Version (if any):	1.0.0-1.el7
Brief Description:	Fedora Autoloader
License(s):	MIT
Link:	https://github.com/php-fedora/autoloader

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php-fpm

Version (if any):	7.1.24-1.el7.remi
Brief Description:	PHP FastCGI Process Manager
License(s):	BSD
Link:	http://www.php.net/



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php-json

Version (if any):	7.1.24-1.el7.remi
Brief Description:	PHP FastCGI Process Manager
License(s):	PHP License v3.01
Link:	http://www.php.net/

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php-ldap

Version (if any):	7.1.24-1.el7.remi
Brief Description:	A module for PHP applications that use LDAP
License(s):	PHP License v3.01
Link:	http://www.php.net/

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php-mbstring

Version (if any):7.1.24-1.el7.remiBrief Description:A module for PHP applications which need multi-byte string handling



License(s):	LGPL v2.1
Link:	http://www.php.net/

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php-mcrypt

Version (if any):7.1.24-1.el7.remiBrief Description:Standard PHP module provides mcrypt library supportLicense(s):PHP License v3.01Link:http://www.php.net/

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php-mysqlnd

Version (if any):7.1.24-1.el7.remiBrief Description:A module for PHP applications that use MySQL databasesLicense(s):PHP License v3.01Link:http://www.php.net/

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php-oci8

Version (if any):7.1.24-1.el7.remiBrief Description:A module for PHP applications that use OCI8 databasesLicense(s):PHP License v3.01Link:http://www.php.net/

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php-opcache

Version (if any):7.1.24-1.el7.remiBrief Description:Provides faster PHP execution through opcode caching and optimizationLicense(s):LGPL v2.1



Link: http://www.php.net/

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php-pdo

Version (if any):7.1.24-1.el7.remiBrief Description:A database access abstraction module for PHP applicationsLicense(s):PHP License v3.01Link:http://www.php.net/

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php-pecl-http

Version (if any):	3.2.0-1.el7.remi.7.1
Brief Description:	Extended HTTP support
License(s):	BSD
Link:	http://pecl.php.net/package/pecl_http

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php-pecl-igbinary



Version (if any):2.0.8-1.el7.remi.7.1Brief Description:Replacement for the standard PHP serializerLicense(s):BSDLink:http://pecl.php.net/package/igbinary

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php-pecl-memcached

Version (if any):	3.0.4-2.el7.remi.7.1
Brief Description:	Extension to work with the Memcached caching daemon
License(s):	PHP License v3.01
Link:	http://pecl.php.net/package/memcached

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php-pecl-msgpack

Version (if any):	2.0.2-1.el7.remi.7.1
Brief Description:	API for communicating with MessagePack serialization
License(s):	BSD
Link:	http://pecl.php.net/package/msgpack



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php-pecl-propro

Version (if any):	2.1.0-1.el7.remi.7.1
Brief Description:	Property proxy
License(s):	BSD
Link:	http://pecl.php.net/package/propro

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php-pecl-radius

Version (if any):	1.4.0-0.3.b1.el7.remi.7.1
Brief Description:	Radius client library
License(s):	BSD
Link:	http://pecl.php.net/package/radius

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php-pecl-raphf

Version (if any):	2.0.0-3.el7.remi.7.1
Brief Description:	Resource and persistent handles factory
License(s):	BSD
Link:	http://pecl.php.net/package/raphf

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php-phalcon3

Version (if any):	3.4.1-2.el7.remi.7.1
Brief Description:	Resource and persistent handles factory
License(s):	BSD
Link:	https://phalconphp.com/en/

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php-twig

Version (if any):	1.35.4-1.el7.remi.7.1
Brief Description:	The flexible, fast, and secure template engine for PHP
License(s):	BSD
Link:	http://twig.sensiolabs.org

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php-xml

Version (if any):	7.1.24-1.el7.remi
Brief Description:	A module for PHP applications which use XML
License(s):	PHP License v3.01
Link:	http://www.php.net/

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pinentry

Version (if any):0.8.1-17.el7Brief Description:Collection of simple PIN or passphrase entry dialogsLicense(s):GPL v2.0Link:http://www.gnupg.org/aegypten/

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<u>pixman</u>

Version (if any):	0.34.0-1.el7
Brief Description:	Pixel manipulation library
License(s):	MIT
Link:	http://cgit.freedesktop.org/pixman/

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pkcs11-helper

Version (if any):	1.11-3.el7
Brief Description:	A library for using PKCS#11 providers
License(s):	GPL v2.0 or BSD, BSD selected
Link:	http://www.opensc-project.org/opensc/wiki/pkcs11-helper

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pkgconfig



Version (if any):1:0.27.1-4.el7Brief Description:A tool for determining compilation optionsLicense(s):GPL v2.0Link:http://pkgconfig.freedesktop.org

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plymouth

Version (if any):0.8.9-0.31.20140113.el7.centosBrief Description:Graphical Boot Animation and LoggerLicense(s):GPL v2.0Link:http://www.freedesktop.org/wiki/Software/Plymouth

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plymouth-core-libs

Version (if any):	0.8.9-0.31.20140113.el7.centos
Brief Description:	Plymouth core libraries
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plymouth-scripts

Version (if any):0.8.9-0.31.20140113.el7.centosBrief Description:Plymouth related scriptsLicense(s):GPL v2.0Link:http://www.freedesktop.org/wiki/Software/Plymouth

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policycoreutils

Version (if any):2.5-29.el7_6.1Brief Description:SELinux policy core utilities



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Link:	http://www.selinuxproject.org

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<u>polkit</u>

Version (if any):0.112-18.el7_6.1Brief Description:An authorization frameworkLicense(s):LGPL v2.1Link:http://www.freedesktop.org/wiki/Software/polkit

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polkit-pkla-compat

Version (if any):	0.1-4.el7
Brief Description:	Rules for polkit to add compatibility with pklocalauthority
License(s):	LGPL v2.1
Link:	https://fedorahosted.org/polkit-pkla-compat/

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<u>popt</u>

Version (if any):1.13-16.el7Brief Description:C library for parsing command line parametersLicense(s):MITLink:http://www.rpm5.org/

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<u>postfix</u>

Version (if any):	2:2.10.1-7.el7
Brief Description:	Postfix Mail Transport Agent
License(s):	IBM Public License 1.0
Link:	http://www.postfix.org

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procps-ng

Version (if any):3.3.10-23.el7Brief Description:System and process monitoring utilitiesLicense(s):GPL v2.0 and LGPL v2.0Link:https://sourceforge.net/projects/procps-ng/

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<u>pth</u>

Version (if any):	2.0.7-23.el7
Brief Description:	The GNU Portable Threads library
License(s):	LGPL v2.1
Link:	http://www.gnu.org/software/pth/

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pygpgme

Version (if any): 0.3-9.el7



Brief Description:Python module for working with OpenPGP messagesLicense(s):LGPL v2.1Link:http://cheeseshop.python.org/pypi/pygpgme

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pyliblzma

Version (if any):	0.5.3-11.el7
Brief Description:	Python bindings for Izma
License(s):	LGPL v3.0
Link:	https://launchpad.net/pyliblzma

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python

Version (if any):2.7.5-77.el7_6Brief Description:An interpreted, interactive, object-oriented programming languageLicense(s):Python Software Foundation License v2Link:http://www.python.org/

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python-backports

Version (if any):	1.0-8.el7
Brief Description:	Namespace for backported Python features
License(s):	Public Domain
Link:	https://pypi.python.org/pypi/backports

python-backports-ssl_match_hostname

Version (if any):	3.5.0.1-1.el7
Brief Description:	The ssl.match_hostname() function from Python 3
License(s):	Python Software Foundation License v2
Link:	https://bitbucket.org/brandon/backports.ssl_match_hostname



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python-configobj

Version (if any):	4.7.2-7.el7
Brief Description:	Config file reading, writing, and validation
License(s):	BSD
Link:	http://www.voidspace.org.uk/python/configobj.html

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python-decorator

Version (if any):	3.4.0-3.el7
Brief Description:	Module to simplify usage of decorators
License(s):	BSD
Link:	http://pypi.python.org/pypi/decorator/

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python-firewall

Version (if any):	0.5.3-5.el7
Brief Description:	Python2 bindings for firewalld
License(s):	GPL v2.0
Link:	http://www.firewalld.org

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python-gobject-base

Version (if any):	3.22.0-1.el7_4.1
Brief Description:	Python 2 bindings for GObject Introspection base package
License(s):	LGPL v2.1
Link:	https://wiki.gnome.org/Projects/PyGObject

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python-iniparse

Version (if any):0.4-9.el7Brief Description:Python Module for Accessing and Modifying Configuration Data in INI filesLicense(s):MIT and PSF License Agreement



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http://code.google.com/p/iniparse/

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python-ipaddress

Version (if any):	1.0.16-2.el7
Brief Description:	Port of the python 3.3+ ipaddress module to 2.6+
License(s):	Python Software Foundation License v2
Link:	https://pypi.python.org/pypi/ipaddress/1.0.16

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python-javapackages

Version (if any):	3.4.1-11.el7
Brief Description:	Module for handling various files for Java packaging
License(s):	BSD
Link:	https://fedorahosted.org/javapackages/

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python-libs

Version (if any):	2.7.5-77.el7_6
Brief Description:	Runtime libraries for Python
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Link:	http://www.python.org/

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python-linux-procfs

Version (if any): 0.4.9-4.el7



Brief Description:Linux /proc abstraction classesLicense(s):GPL v2.0Link:http://userweb.kernel.org/~acme/python-linux-procfs

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python-lxml

Version (if any):	3.2.1-4.el7
Brief Description:	ElementTree-like Python bindings for libxml2 and libxsl
License(s):	BSD
Link:	http://lxml.de

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python-perf

Version (if any):3.10.0-957.21.3.el7Brief Description:Python bindings for apps which will manipulate perf eventsLicense(s):GPL v2.0Link:http://www.kernel.org/

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python-pycurl

Version (if any):	7.19.0-19.el7
Brief Description:	A Python interface to libcurl
License(s):	LGPL v2.1 or MIT, MIT selected
Link:	http://pycurl.sourceforge.net/

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python-pyudev

Version (if any):	0.15-9.el7
Brief Description:	A libudev binding
License(s):	LGPL v2.1
Link:	http://pypi.python.org/pypi/pyudev

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python-schedutils

Version (if any):	0.4-6.el7
Brief Description:	Linux scheduler python bindings
License(s):	GPL v2.0
Link:	http://git.kernel.org/?p=linux/kernel/git/acme/python-schedutils.git

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python-setuptools

Version (if any):	0.9.8-7.el7
Brief Description:	Easily build and distribute Python packages
License(s):	Python Software Foundation License Agreement or Zope Public License v2.0, Python selected
Link:	http://pypi.python.org/pypi/setuptools

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python-slip

Version (if any):0.4.0-4.el7Brief Description:Miscellaneous convenience, extension and workaround code for PythonLicense(s):GPL v2.0Link:https://github.com/nphilipp/python-slip

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python-slip-dbus

Version (if any):	0.4.0-4.el7
Brief Description:	Convenience functions for dbus services
License(s):	GPL v2.0
Link:	https://github.com/nphilipp/python-slip

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python-urlgrabber

Version (if any):	3.10-9.el7
Brief Description:	A high-level cross-protocol url-grabber
License(s):	LGPL v2.1
Link:	http://urlgrabber.baseurl.org/

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<u>pyxattr</u>

Version (if any):0.5.1-5.el7Brief Description:Extended attributes library wrapper for Python



License(s):	L GPL v2.1
Link:	http://pyxattr.sourceforge.net/

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grencode-libs

Version (if any):	3.4.1-3.el7
Brief Description:	QR Code encoding library - Shared libraries
License(s):	LGPL v2.1
Link:	http://megaui.net/fukuchi/works/qrencode/index.en.html

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<u>readline</u>

Version (if any):	6.2-10.el7
Brief Description:	A library for editing typed command lines
License(s):	GPL v3.0
Link:	http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html
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rootfiles

Version (if any):	8.1-11.el7
Brief Description:	The basic required files for the root user's directory
License(s):	Public Domain
Link:	https://centos.pkgs.org/7/centos-x86_64/rootfiles-8.1-11.el7.noarch.rpm.html

<u>rpm</u>

Version (if any):4.11.3-35.el7Brief Description:The RPM package management systemLicense(s):GPL v2.0Link:http://www.rpm.org/



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rpm-build-libs

Version (if any):4.11.3-35.el7Brief Description:Libraries for building and signing RPM packagesLicense(s):GPL v2.0 and LGPL v2.0Link:http://www.rpm.org/

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rpm-libs

Version (if any):	4.11.3-35.el7
Brief Description:	Libraries for manipulating RPM packages
License(s):	GPL v2.0 and LGPL v2.0
Link:	http://www.rpm.org/

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rpm-python

Version (if any):4.11.3-35.el7Brief Description:Python bindings for apps which will manipulate RPM packagesLicense(s):GPL v2.0Link:http://www.rpm.org/

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rsync

Version (if any):3.1.2-6.el7_6.1Brief Description:A program for synchronizing files over a networkLicense(s):GPL v3.0Link:http://rsync.samba.org/

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July 31, 2019

version 1.0



<u>rsyslog</u>

	8.24.0-34.el7 Enhanced system logging and kernel message trapping daemon
	GPL v3.0 and LGPL v3.0 and Apache 2.0
Link:	http://www.rsyslog.com/

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<u>screen</u>

Version (if any):	4.1.0-0.25.20120314git3c2946.el7
Brief Description:	A screen manager that supports multiple logins on one terminal
License(s):	GPL v2.0
Link:	http://www.gnu.org/software/screen

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sed

Version (if any):	4.2.2-5.el7
Brief Description:	A GNU stream text editor
License(s):	GPL v3.0
Link:	http://sed.sourceforge.net/

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selinux-policy

Version (if any):	3.13.1-229.el7_6.12
Brief Description:	SELinux policy configuration
License(s):	GPL v2.0
Link:	http://oss.tresys.com/repos/refpolicy/

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selinux-policy-targeted



Version (if any):3.13.1-229.el7_6.12Brief Description:SELinux targeted base policyLicense(s):GPL v2.0Link:http://oss.tresys.com/repos/refpolicy/

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<u>setup</u>

Version (if any):	2.8.71-10.el7
Brief Description:	A set of system configuration and setup files
License(s):	Public Domain
Link:	https://pagure.io/setup/

sg3_utils

Version (if any):	1.37-17.el7
Brief Description:	Utilities for devices that use SCSI command sets
License(s):	GPL v2.0 and BSD
Link:	http://sg.danny.cz/sg/sg3_utils.html

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Douglas Gilbert 10th April 2012

sg3_utils-libs

Version (if any):	1.37-17.el7
Brief Description:	Shared library for sg3_utils
License(s):	GPL v2.0 and BSD
Link:	http://sg.danny.cz/sg/sg3_utils.html

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Douglas Gilbert 10th April 2012

shadow-utils



Version (if any):2:4.1.5.1-25.el7_6.1Brief Description:Utilities for managing accounts and shadow password filesLicense(s):BSD-StyleLink:URL

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shared-mime-info

1.8-4.el7
Shared MIME information database
GPL v2.0
http://freedesktop.org/Software/shared-mime-info

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<u>slang</u>

Version (if any):2.2.4-11.el7Brief Description:The shared library for the S-Lang extension languageLicense(s):GPL v2.0Link:http://www.jedsoft.org/slang/

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<u>snappy</u>

Version (if any):	1.1.0-3.el7
Brief Description:	Fast compression and decompression library
License(s):	BSD
Link:	http://code.google.com/p/snappy/

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<u>sqlite</u>

Version (if any):3.7.17-8.el7Brief Description:Library that implements an embeddable SQL database engine



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<u>sudo</u>

Version (if any):1.8.23-3.el7Brief Description:Allows restricted root access for specified usersLicense(s):ISCLink:http://www.courtesan.com/sudo/

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

<u>syslog-ng</u>

Version (if any):	3.5.6-3.el7
Brief Description:	Next-generation syslog server
License(s):	GPL v2.0
Link:	http://www.balabit.com/network-security/syslog-ng

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syslog-ng-libdbi

Version (if any):3.5.6-3.el7Brief Description:libdbi support for syslog-ngLicense(s):GPL v2.0Link:http://www.balabit.com/network-security/syslog-ng

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<u>systemd</u>

Version (if any):	219-62.el7_6.6
Brief Description:	A System and Service Manager
License(s):	LGPL v2.1
Link:	http://www.freedesktop.org/wiki/Software/systemd

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systemd-libs

Version (if any):	219-62.el7_6.6
Brief Description:	systemd libraries
License(s):	LGPL v2.1
Link:	http://www.freedesktop.org/wiki/Software/systemd

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systemd-sysv

Version (if any):	219-62.el7_6.6
Brief Description:	SysV tools for systemd
License(s):	LGPL v2.1
Link:	http://www.freedesktop.org/wiki/Software/systemd

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sysvinit-tools



Version (if any):2.88-14.dsf.el7Brief Description:Tools used for process and utmp management.License(s):GPL v2.0Link:http://savannah.nongnu.org/projects/sysvinit/

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<u>tar</u>

Version (if any):2:1.26-35.el7Brief Description:A GNU file archiving programLicense(s):GPL v3.0Link:http://www.gnu.org/software/tar/

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tcp_wrappers-libs

Version (if any):	7.6-77.el7
Brief Description:	Libraries for tcp_wrappers
License(s):	BSD
Link:	ftp://ftp.porcupine.org/pub/security/index.html

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tcpdump

Version (if any):	14:4.9.2-3.el7
Brief Description:	A network traffic monitoring tool
License(s):	BSD
Link:	http://www.tcpdump.org



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teamd

Version (if any):	1.27-5.el7
Brief Description:	Team network device control daemon
License(s):	LGPL v2.1
Link:	http://www.libteam.org

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ttmkfdir

Version (if any):3.0.9-42.el7Brief Description:Utility to create fonts.scale files for truetype fontsLicense(s):LGPL v2.1Link:https://www.systutorials.com/docs/linux/man/1-ttmkfdir/

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<u>tuned</u>

Version (if any):2.10.0-6.el7_6.3Brief Description:A dynamic adaptive system tuning daemonLicense(s):GPL v2.0Link:http://www.tuned-project.org/



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<u>tzdata</u>

Version (if any):	2019a-1.el7
Brief Description:	Timezone data
License(s):	Public Domain
Link:	https://www.iana.org/time-zones

tzdata-java

Version (if any):	2019a-1.el7
Brief Description:	Timezone data for Java
License(s):	Public Domain
Link:	https://www.iana.org/time-zones

<u>unixODBC</u>

Version (if any):2.3.1-11.el7Brief Description:A complete ODBC driver manager for LinuxLicense(s):GPL 2.0 and LGPL v2.1Link:http://www.unixODBC.org/

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<u>ustr</u>

Version (if any):1.0.4-16.el7Brief Description:String library, very low memory overhead, simple to importLicense(s):LGPL v2.1 or BSD or MIT, MIT selectedLink:http://www.and.org/ustr/

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util-linux

Version (if any):	2.23.2-59.el7_6.1
Brief Description:	A collection of basic system utilities
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Link:	https://mirrors.edge.kernel.org/pub/linux/utils/util-linux/

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NetBSD disklabel editor for Linux fdisk

*

Written by Bernhard Fastenrath (fasten@informatik.uni-bonn.de) with code from the NetBSD disklabel command:

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Libuuid

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* ftp://ftp.daimi.aau.dk/pub/linux/poe/admutil*

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/* tailf.c -- tail a log file and then follow it

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vim-common

Version (if any): Brief Description:	2:7.4.160-5.el7 The common files needed by any version of the VIM editor
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vim-enhanced

Version (if any):2:7.4.160-5.el7Brief Description:A version of the VIM editor which includes recent enhancementsLicense(s):Vim LicenseLink:http://www.vim.org/

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vim-filesystem

Version (if any):	2:7.4.160-5.el7
Brief Description:	VIM filesystem layout
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vim-minimal

Version (if any):	2:7.4.160-5.el7
Brief Description:	A minimal version of the VIM editor
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virt-what

Version (if any):	1.18-4.el7
Brief Description:	Detect if we are running in a virtual machine
License(s):	GPL v2.0
Link:	http://people.redhat.com/~rjones/virt-what/

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which

Version (if any):	2.20-7.el7
Brief Description:	Displays where a particular program in your path is located
License(s):	GPL v3.0
Link:	http://www.xs4all.nl/~carlo17/which/

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wpa_supplicant

Version (if any):	1:2.6-12.el7
Brief Description:	WPA/WPA2/IEEE 802.1X Supplicant
License(s):	BSD
Link:	http://w1.fi/wpa_supplicant/

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xfsprogs

Version (if any):	4.5.0-19.el7_6
Brief Description:	Utilities for managing the XFS filesystem
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Link:	http://oss.sgi.com/projects/xfs/

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<u>xmlsec1</u>

Version (if any):1.2.20-7.el7_4Brief Description:Library providing support for "XML Signature" and "XML Encryption" standardsLicense(s):MITLink:http://www.aleksey.com/xmlsec/



xmlsec, xmlsec-openssl, xmlsec-gnutls, xmlsec-gcrypt libraries

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xmlsec-mscrypto library

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References

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http://www.aleksey.com/pipermail/xmlsec/2003/005488.html http://www.aleksey.com/pipermail/xmlsec/attachments/20030729/0e25648e/attachment.htm

* Cordys R&D BV http://www.aleksey.com/pipermail/xmlsec/2003/005581.html

* Cryptocom LTD http://www.aleksey.com/pipermail/xmlsec/2006/007410.html



xmlsec1-openssl

Version (if any):	1.2.20-7.el7_4
Brief Description:	OpenSSL crypto plugin for XML Security Library
License(s):	MIT
Link:	http://www.aleksev.com/xmlsec/

xmlsec, xmlsec-openssl, xmlsec-gnutls, xmlsec-gcrypt libraries

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xorg-x11-fonts-Type1

Version (if any):	7.5-9.el7
Brief Description:	Type1 fonts provided by the X Window System
License(s):	MIT
Link:	http://www.x.org

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xorg-x11-font-utils

Version (if any):	1:7.5-21.el7
Brief Description:	X.Org X11 font utilities
License(s):	MIT
Link:	http://www.x.org

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XΖ

Version (if any):5.2.2-1.el7Brief Description:LZMA compression utilitiesLicense(s):LGPL v2.1Link:http://tukaani.org/xz/



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<u>xz-libs</u>

Version (if any):5.2.2-1.el7Brief Description:Libraries for decoding LZMA compressionLicense(s):LGPL v2.1Link:http://tukaani.org/xz/

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<u>yum</u>

Version (if any):	3.4.3-161.el7.centos
Brief Description:	RPM package installer/updater/manager
License(s):	GPL v2.0
Link:	http://yum.baseurl.org/

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yum-metadata-parser

Version (if any):	1.1.4-10.el7
Brief Description:	A fast metadata parser for yum
License(s):	GPL v2.0
Link:	http://linux.duke.edu/projects/yum/

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yum-plugin-fastestmirror

Version (if any):	1.1.31-50.el7
Brief Description:	Yum plugin which chooses fastest repository from a mirrorlist
License(s):	GPL v2.0
Link:	http://yum.baseurl.org/download/yum-utils/

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<u>zlib</u>

Version (if any):1.2.7-18.el7Brief Description:The compression and decompression libraryLicense(s):zlib LicenseLink:http://www.zlib.net/

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January 2004

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GCC Runtime Library Exception Version 3.1

31 March 2009

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July 31, 2019



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kcc *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical

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care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

- 1. Sponsor a child in primary school: 17 euro a month (or more).
- 2. Sponsor a child in secondary school: 25 euro a month (or more).
- 3. Sponsor the clinic: Any amount a month or quarter
- 4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre is co-sponsored and inspected by World Vision, Save the Children Fund and International Child Care Fund. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself in 1996, 1998, 2000, 2001 and 2003. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:

Kibaale Children's Centre p.o. box 1658 Masaka, Uganda, East Africa



iccf-donations

Check the ICCF web site for the latest information! See iccf for the URL.	
USA:	The methods mentioned below can be used. Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt. For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.
Canada:	Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship. Kibaale Children's Fund c/o Pacific Academy 10238-168 Street Surrey, B.C. V4N 1Z4 Canada Phone: 604-581-5353 If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.
Holland:	Transfer to the account of "Stichting ICCF Holland" in Venlo. This will allow for tax deduction if you live in Holland. Postbank, nr. 4548774
Germany: http://ic	It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information: cf-holland.org/germany.html
World:	Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.
Europe:	Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number. Any other method should work. Ask for information about sponsorship.
Credit Card:	You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info: https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q

Sending money:



The e-mail address for sending the money to is: Bram@iccf-holland.org For amounts above 400 Euro (\$500) sending a check is preferred. Others: Transfer to one of these accounts if possible: Postbank, account 4548774 Swift code: INGB NL 2A IBAN: NL47 PSTB 0004 5487 74 under the name "stichting ICCF Holland", Venlo If that doesn't work: Rabobank Venlo, account 3765.05.117 Swift code: RABO NL 2U under the name "Bram Moolenaar", Venlo Otherwise, send a check in euro or US dollars to the address below. Minimal amount: \$70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

stichting ICCF Holland Bram Moolenaar Finsterruetihof 1 8134 Adliswil Switzerland

This address is expected to be valid for a long time.

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