

Linux From Scratch - Version 12.4

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Acl:	Acl-2.3.2
Attr:	Attr-2.5.2
Autoconf:	Autoconf-2.72
Automake:	Automake-1.18.1
Bash:	Bash-5.3
->tools:	Bash-5.3
Bc:	Bc-7.0.3
Binutils:	Binutils-2.45
->tools, pass 1:	Binutils-2.45 - Pass 1
->tools, pass 2:	Binutils-2.45 - Pass 2
Bison:	Bison-3.8.2
->tools:	Bison-3.8.2
Bootscripts:	LFS-Bootscripts-20250827
->usage:	System V Bootscript Usage and Configuration
Bzip2:	Bzip2-1.0.8
Coreutils:	Coreutils-9.7
->tools:	Coreutils-9.7
DejaGNU:	DejaGNU-1.6.3
Diffutils:	Diffutils-3.12
->tools:	Diffutils-3.12
E2fsprogs:	E2fsprogs-1.47.3
Expat:	Expat-2.7.1
Expect:	Expect-5.45.4
File:	File-5.46
->tools:	File-5.46
Findutils:	Findutils-4.10.0
->tools:	Findutils-4.10.0
Flex:	Flex-2.6.4
Flit-core:	Flit-Core-3.12.0
Gawk:	Gawk-5.3.2
->tools:	Gawk-5.3.2
GCC:	GCC-15.2.0
->tools, libstdc++ pass 1:	Libstdc++ from GCC-15.2.0
->tools, pass 1:	GCC-15.2.0 - Pass 1
->tools, pass 2:	GCC-15.2.0 - Pass 2
GDBM:	GDBM-1.26
Gettext:	Gettext-0.26

->tools:	Gettext-0.26
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Glibc: Glibc-2.42 tools: Glibc-2.42 GMP: GMP-6.3.0 Gperf: Gperf-3.3 Grep: Grep-3.12 tools: Grep-3.12 Groff: Groff-1.23.0 GRUB: GRUB-2.12 Gzip: Gzip-1.14 tools: Gzip-1.14 Iana-Etc: Iana-Etc-20250807 Inetutils: Inetutils-2.6 Intltool: Intltool-0.51.0 IPRoute2: IPRoute2-6.16.0 Jinja2: Jinja2-3.1.6 Kbd: Kbd-2.8.0 Kmod: Kmod-34.2 Less: Less-679 Libcap: Libcap-2.76 Libelf: Libelf from Elfutils-0.193 libffi: Libffi-3.5.2 Libpipeline: Libpipeline-1.5.8 Libtool: Libtool-2.5.4 Libxcrypt: Libxcrypt-4.4.38 Linux: Linux-6.16.1 tools, API headers: Linux-6.16.1 API Headers Lz4: Lz4-1.10.0 M4: M4-1.4.20 tools: M4-1.4.20 Make: Make-4.4.1 tools: Make-4.4.1 Man-DB: Man-DB-2.13.1 Man-pages: Man-pages-6.15 MarkupSafe: MarkupSafe-3.0.2 Meson: Meson-1.8.3 MPC: MPC-1.3.1 MPFR: MPFR-4.2.2 Ncurses: Ncurses-6.5-20250809 tools: Ncurses-6.5-20250809 Ninja: Ninja-1.13.1 OpenSSL: OpenSSL-3.5.2 packaging: Packaging-25.0 Patch: Patch-2.8 tools: Patch-2.8 Perl: Perl-5.42.0 tools: Perl-5.42.0 Pkgconf: Pkgconf-2.5.1 Procps-ng: Procps-ng-4.0.5 Psmisc: Psmisc-23.7 Python: Python-3.13.7 temporary: Python-3.13.7 rc.site: The rc.site File Readline: Readline-8.3 Sed: Sed-4.9 tools: Sed-4.9 Setuptools: Setuptools-80.9.0 Shadow: Shadow-4.18.0 configuring: Configuring Shadow Syslogd: Syslogd-2.7.2 configuring: Configuring Syslogd SysVinit: SysVinit-3.14 configuring: Configuring SysVinit Tar: Tar-1.35 tools: Tar-1.35 Tcl: Tcl-8.6.16 Texinfo: Texinfo-7.2 temporary: Texinfo-7.2 Udev: Udev from Systemd-257.8 configuring: Configuring Udev usage: Overview of Device and Module Handling Util-linux: Util-linux-2.41.1 tools: Util-linux-2.41.1 Vim: Vim-9.1.1629 wheel: Wheel-0.46.1 XML::Parser: XML::Parser-2.47 Xz: Xz-5.8.1 tools: Xz-5.8.1 Zlib: Zlib-1.3.1 zstd: Zstd-1.5.7 Programs [: Coreutils-9.7 - description 2to3: Python-3.13.7 accessdb: Man-DB-2.13.1 - description aclocal: Automake-1.18.1 - description aclocal-1.18: Automake-1.18.1 - description addftinfo: Groff-1.23.0 - description addpart: Util-linux-2.41.1 - description addr2line: Binutils-2.45 - description afmtodit: Groff-1.23.0 - description agetty: Util-linux-2.41.1 - description apropos: Man-DB-2.13.1 - description ar: Binutils-2.45 - description as: Binutils-2.45 - description attr: Attr-2.5.2 - description autoconf: Autoconf-2.72 - description autoheader: Autoconf-2.72 - description autom4te: Autoconf-2.72 - description automake: Automake-1.18.1 - description automake-1.18: Automake-1.18.1 - description autopoint: Gettext-0.26 - description autoreconf: Autoconf-2.72 - description autoscan: Autoconf-2.72 - description autoupdate: Autoconf-2.72 - description awk: Gawk-5.3.2 - description b2sum: Coreutils-9.7 - description badblocks: E2fsprogs-1.47.3 - description base64: Coreutils-9.7 - description basename: Coreutils-9.7 - description basenc: Coreutils-9.7 - description bash: Bash-5.3 - description bashbug: Bash-5.3 - description bc: Bc-7.0.3 - description bison: Bison-3.8.2 - description blkdiscard: Util-linux-2.41.1 - description blkid: Util-linux-2.41.1 - description blkzone: Util-linux-2.41.1 - description blockdev: Util-linux-2.41.1 - description bomtool: Pkgconf-2.5.1 - description bootlogd: SysVinit-3.14 - description bridge: IPRoute2-6.16.0 - description bunzip2: Bzip2-1.0.8 - description bzip2: Bzip2-1.0.8 - description bzip2recover: Bzip2-1.0.8 - description bzless: Bzip2-1.0.8 - description bzmore: Bzip2-1.0.8 - description c++: GCC-15.2.0 - description c++filt: Binutils-2.45 - description cal: Util-linux-2.41.1 - description capsh: Libcap-2.76 - description captinfo: Ncurses-6.5-20250809 - description cat: Coreutils-9.7 - description catman: Man-DB-2.13.1 - description cc: GCC-15.2.0 - description cfdisk: Util-linux-2.41.1 - description chacl: Acl-2.3.2 - description chage: Shadow-4.18.0 - description chatattr: E2fsprogs-1.47.3 - description chcon: Coreutils-9.7 - description chcpu: Util-linux-2.41.1 - description chem: Groff-1.23.0 - description chfn: Shadow-4.18.0 - description chpasswd: Shadow-4.18.0 - description chgrp: Coreutils-9.7 - description chmem: Util-linux-2.41.1 - description chmod: Coreutils-9.7 - description choom: Util-linux-2.41.1 - description chown: Coreutils-9.7 - description chpasswd: Shadow-4.18.0 - description chroot: Coreutils-9.7 - description chrt: Util-linux-2.41.1 - description chsh: Shadow-4.18.0 - description chvt: Kbd-2.8.0 - description cksum: Coreutils-9.7 - description clear:

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description groupmod: Shadow-4.18.0 -

description groups: Coreutils-9.7 - description grpck: Shadow-4.18.0 - description grpconv: Shadow-4.18.0 - description grpunconv: Shadow-4.18.0 - description grub-bios-setup: GRUB-2.12 - description grub-editenv: GRUB-2.12 - description grub-file: GRUB-2.12 - description grub-fstest: GRUB-2.12 - description grub-glue-efi: GRUB-2.12 - description grub-install: GRUB-2.12 - description grub-kbdcomp: GRUB-2.12 - description grub-macbless: GRUB-2.12 - description grub-menu.lst2cfg: GRUB-2.12 - description grub-mkconfig: GRUB-2.12 - description grub-mkimage: GRUB-2.12 - description grub-mklayout: GRUB-2.12 - description grub-mknetdir: GRUB-2.12 - description grub-mkpasswd-pbkdf2: GRUB-2.12 - description grub-mkrelpath: GRUB-2.12 - description grub-mkrescue: GRUB-2.12 - description grub-mkstandalone: GRUB-2.12 - description grub-ofpathname: GRUB-2.12 - description grub-probe: GRUB-2.12 - description grub-reboot: GRUB-2.12 - description grub-render-label: GRUB-2.12 - description grub-script-check: GRUB-2.12 - description grub-set-default: GRUB-2.12 - description grub-setup: GRUB-2.12 - description grub-syslinux2cfg: GRUB-2.12 - description gunzip: Gzip-1.14 - description gzexe: Gzip-1.14 - description gzip: Gzip-1.14 - description h2ph: Perl-5.42.0 - description h2xs: Perl-5.42.0 - description halt: SysVinit-3.14 - description hardlink: Util-linux-2.41.1 - description head: Coreutils-9.7 - description hexdump: Util-linux-2.41.1 - description hostid: Coreutils-9.7 - description hostname: Inetutils-2.6 - description hpf TODIT: Groff-1.23.0 - description hwclock: Util-linux-2.41.1 - description i386: Util-linux-2.41.1 - description iconv: Glibc-2.42 - description iconvconfig: Glibc-2.42 - description id: Coreutils-9.7 - description idle3: Python-3.13.7 ifconfig: Inetutils-2.6 - description ifnames: Autoconf-2.72 - description ifstat: IPRoute2-6.16.0 - description indxbib: Groff-1.23.0 - description info: Texinfo-7.2 - description infocmp: Ncurses-6.5-20250809 - description infotocap: Ncurses-6.5-20250809 - description init: SysVinit-3.14 - description insmod: Kmod-34.2 - description install: Coreutils-9.7 - description install-info: Texinfo-7.2 - description instmodsh: Perl-5.42.0 - description intltool-extract: Intltool-0.51.0 - description intltool-merge: Intltool-0.51.0 - description intltool-prepare: Intltool-0.51.0 - description intltool-update: Intltool-0.51.0 - description intltoolize: Intltool-0.51.0 - description ionice: Util-linux-2.41.1 - description ip: IPRoute2-6.16.0 - description ipcmk: Util-linux-2.41.1 - description ipcrm: Util-linux-2.41.1 - description ipcs: Util-linux-2.41.1 - description irqtop: Util-linux-2.41.1 - description isosize: Util-linux-2.41.1 - description join: Coreutils-9.7 - description json_pp: Perl-5.42.0 - description kbdinfo: Kbd-2.8.0 - description kbdrate: Kbd-2.8.0 - description kbd_mode: Kbd-2.8.0 - description kill: Util-linux-2.41.1 - description killall: Psmisc-23.7 - description killall5: SysVinit-3.14 - description kmod: Kmod-34.2 - description last: Util-linux-2.41.1 - description lastb: Util-linux-2.41.1 - description ld: Binutils-2.45 - description ld.bfd: Binutils-2.45 - description ldattach: Util-linux-2.41.1 - description ldconfig: Glibc-2.42 - description ldd: Glibc-2.42 - description lddlibc4: Glibc-2.42 - description less: Less-679 - description lessecho: Less-679 - description lesskey: Less-679 - description lex: Flex-2.6.4 - description lexgrog: Man-DB-2.13.1 - description lfskernel-6.16.1: Linux-6.16.1 - description libasan: GCC-15.2.0 - description libatomic: GCC-15.2.0 - description libcc1: GCC-15.2.0 - description libnetcfg: Perl-5.42.0 - description libtool: Libtool-2.5.4 - description libtoolize: Libtool-2.5.4 - description link: Coreutils-9.7 - description linux32: Util-linux-2.41.1 - description linux64: Util-linux-2.41.1 - description lkbib: Groff-1.23.0 - description ln: Coreutils-9.7 - description lstat: IPRoute2-6.16.0 - description loadkeys: Kbd-2.8.0 - description loadunimap: Kbd-2.8.0 - description locale: Glibc-2.42 - description localedef: Glibc-2.42 - description locate: Findutils-4.10.0 - description logger: Util-linux-2.41.1 - description login: Shadow-4.18.0 - description logname: Coreutils-9.7 - description logoutd: Shadow-4.18.0 - description logsave: E2fsprogs-1.47.3 - description look: Util-linux-2.41.1 - description lookbib: Groff-1.23.0 - description losetup: Util-linux-2.41.1 - description ls: Coreutils-9.7 - description lsattr: E2fsprogs-1.47.3 - description lsblk: Util-linux-2.41.1 - description lscpu: Util-linux-2.41.1 - description lsfd: Util-linux-2.41.1 - description lspic: Util-linux-2.41.1 - description lsirq: Util-linux-2.41.1 - description lslocks: Util-linux-2.41.1 - description lslogins: Util-linux-2.41.1 - description lsmem: Util-linux-2.41.1 - description lsmmod: Kmod-34.2 - description lsns: Util-linux-2.41.1 - description lto-dump: GCC-15.2.0 - description lz4: Lz4-1.10.0 - description lz4c:

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