


Linux From Scratch - Version 12.1-systemd		
Chapter 3. Packages and Patches		
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3.2.



URL (

- **Acl (2.3.2) - 363 KB:**
 Home page: <https://savannah.nongnu.org/projects/acl>
 Download: <https://download.savannah.gnu.org/releases/acl/acl-2.3.2.tar.xz>
 MD5 sum: 590765dee95907dbc3c856f7255bd669
- **Attr (2.5.2) - 484 KB:**
 Home page: <https://savannah.nongnu.org/projects/attr>
 Download: <https://download.savannah.gnu.org/releases/attr/attr-2.5.2.tar.gz>
 MD5 sum: 227043ec2f6ca03c0948df5517f9c927
- **Autoconf (2.72) - 1,360 KB:**
 Home page: <https://www.gnu.org/software/autoconf/>
 Download: <https://ftp.gnu.org/gnu/autoconf/autoconf-2.72.tar.xz>
 MD5 sum: 1be79f7106ab6767f18391c5e22be701
- **Automake (1.16.5) - 1,565 KB:**
 Home page: <https://www.gnu.org/software/automake/>
 Download: <https://ftp.gnu.org/gnu/automake/automake-1.16.5.tar.xz>
 MD5 sum: 4017e96f89fca45ca946f1c5db6be714
- **Bash (5.2.21) - 10,696 KB:**
 Home page: <https://www.gnu.org/software/bash/>
 Download: <https://ftp.gnu.org/gnu/bash/bash-5.2.21.tar.gz>
 MD5 sum: ad5b38410e3bf0e9bcc20e2765f5e3f9
- **Bc (6.7.5) - 460 KB:**
 Home page: <https://git.gavinhoward.com/gavin/bc>
 Download: <https://github.com/gavinhoward/bc/releases/download/6.7.5/bc-6.7.5.tar.xz>
 MD5 sum: e249b1f86f886d6fb71c15f72b65dd3d
- **Binutils (2.42) - 26,922 KB:**
 Home page: <https://www.gnu.org/software/binutils/>
 Download: <https://sourceware.org/pub/binutils/releases/binutils-2.42.tar.xz>
 MD5 sum: a075178a9646551379bfb64040487715
- **Bison (3.8.2) - 2,752 KB:**

- Home page: <https://www.gnu.org/software/bison/>
Download: <https://ftp.gnu.org/gnu/bison/bison-3.8.2.tar.xz>
MD5 sum: c28f119f405a2304ff0a7ccdcc629713
- **Bzip2 (1.0.8) - 792 KB:**
Download: <https://www.sourceware.org/pub/bzip2/bzip2-1.0.8.tar.gz>
MD5 sum: 67e051268d0c475ea773822f7500d0e5
 - **Check (0.15.2) - 760 KB:**
Home page: <https://libcheck.github.io/check>
Download: <https://github.com/libcheck/check/releases/download/0.15.2/check-0.15.2.tar.gz>
MD5 sum: 50fcfcecde5a380415b12e9c574e0b2
 - **Coreutils (9.4) - 5,840 KB:**
Home page: <https://www.gnu.org/software/coreutils/>
Download: <https://ftp.gnu.org/gnu/coreutils/coreutils-9.4.tar.xz>
MD5 sum: 459e9546074db2834eefe5421f250025
 - **D-Bus (1.14.10) - 1,344 KB:**
Home page: <https://www.freedesktop.org/wiki/Software/dbus>
Download: <https://dbus.freedesktop.org/releases/dbus/dbus-1.14.10.tar.xz>
MD5 sum: 46070a3487817ff690981f8cd2ba9376
 - **DejaGNU (1.6.3) - 608 KB:**
Home page: <https://www.gnu.org/software/dejagnu/>
Download: <https://ftp.gnu.org/gnu/dejagnu/dejagnu-1.6.3.tar.gz>
MD5 sum: 68c5208c58236eba447d7d6d1326b821
 - **Diffutils (3.10) - 1,587 KB:**
Home page: <https://www.gnu.org/software/diffutils/>
Download: <https://ftp.gnu.org/gnu/diffutils/diffutils-3.10.tar.xz>
MD5 sum: 2745c50f6f4e395e7b7d52f902d075bf
 - **E2fsprogs (1.47.0) - 9,412 KB:**
Home page: <http://e2fsprogs.sourceforge.net/>
Download:
<https://downloads.sourceforge.net/project/e2fsprogs/e2fsprogs/v1.47.0/e2fsprogs-1.47.0.tar.gz>
MD5 sum: 6b4f18a33873623041857b4963641ee9
 - **Elfutils (0.190) - 8,949 KB:**
Home page: <https://sourceware.org/elfutils/>
Download: <https://sourceware.org/ftp/elfutils/0.190/elfutils-0.190.tar.bz2>
MD5 sum: 79ad698e61a052bea79e77df6a08bc4b
 - **Expat (2.6.0) - 473 KB:**
Home page: <https://libexpat.github.io/>
Download: <https://prdownloads.sourceforge.net/expat/expat-2.6.0.tar.xz>
MD5 sum: bd169cb11f4b9bdfddadf9e88a5c4d4b
 - **Expect (5.45.4) - 618 KB:**
Home page: <https://core.tcl.tk/expect/>
Download: <https://prdownloads.sourceforge.net/expect/expect5.45.4.tar.gz>
MD5 sum: 00fce8de158422f5ccd2666512329bd2
 - **File (5.45) - 1,218 KB:**
Home page: <https://www.darwinsys.com/file/>
Download: <https://astron.com/pub/file/file-5.45.tar.gz>
MD5 sum: 26b2a96d4e3a8938827a1e572afd527a
 - **Findutils (4.9.0) - 1,999 KB:**
Home page: <https://www.gnu.org/software/findutils/>

Download: <https://ftp.gnu.org/gnu/findutils/findutils-4.9.0.tar.xz>

MD5 sum: 4a4a547e888a944b2f3af31d789a1137

• **Flex (2.6.4) - 1,386 KB:**

Home page: <https://github.com/westes/flex>

Download: <https://github.com/westes/flex/releases/download/v2.6.4/flex-2.6.4.tar.gz>

MD5 sum: 2882e3179748cc9f9c23ec593d6adc8d

• **Flit-core (3.9.0) - 41 KB:**

Home page: <https://pypi.org/project/flit-core/>

Download: https://pypi.org/packages/source/f/flit-core/flit_core-3.9.0.tar.gz

MD5 sum: 3bc52f1952b9a78361114147da63c35b

• **Gawk (5.3.0) - 3,356 KB:**

Home page: <https://www.gnu.org/software/gawk/>

Download: <https://ftp.gnu.org/gnu/gawk/gawk-5.3.0.tar.xz>

MD5 sum: 97c5a7d83f91a7e1b2035ebbe6ac7abd

• **GCC (13.2.0) - 85,800 KB:**

Home page: <https://gcc.gnu.org/>

Download: <https://ftp.gnu.org/gnu/gcc/gcc-13.2.0/gcc-13.2.0.tar.xz>

MD5 sum: e0e48554cc6e4f261d55ddee9ab69075

• **GDBM (1.23) - 1,092 KB:**

Home page: <https://www.gnu.org/software/gdbm/>

Download: <https://ftp.gnu.org/gnu/gdbm/gdbm-1.23.tar.gz>

MD5 sum: 8551961e36bf8c70b7500d255d3658ec

• **Gettext (0.22.4) - 10,016 KB:**

Home page: <https://www.gnu.org/software/gettext/>

Download: <https://ftp.gnu.org/gnu/gettext/gettext-0.22.4.tar.xz>


MD5 sum: 2d8507d003ef3ddd1c172707ffa97ed8

• **Glibc (2.39) - 18,092 KB:**

Home page: <https://www.gnu.org/software/libc/>

Download: <https://ftp.gnu.org/gnu/glibc/glibc-2.39.tar.xz>

MD5 sum: be81e87f72b5ea2c0ffe2bedfeb680c6



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Glibc 2.39

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Glibc 2.39

• **GMP (6.3.0) - 2,046 KB:**

Home page: <https://www.gnu.org/software/gmp/>

Download: <https://ftp.gnu.org/gnu/gmp/gmp-6.3.0.tar.xz>

MD5 sum: 956dc04e864001a9c22429f761f2c283

• **Gperf (3.1) - 1,188 KB:**

Home page: <https://www.gnu.org/software/gperf/>

Download: <https://ftp.gnu.org/gnu/gperf/gperf-3.1.tar.gz>

MD5 sum: 9e251c0a618ad0824b51117d5d9db87e

• **Grep (3.11) - 1,664 KB:**

Home page: <https://www.gnu.org/software/grep/>

Download: <https://ftp.gnu.org/gnu/grep/grep-3.11.tar.xz>

MD5 sum: 7c9bbd74492131245f7cdb291fa142c0

- **Groff (1.23.0) - 7,259 KB:**
Home page: <https://www.gnu.org/software/groff/>
Download: <https://ftp.gnu.org/gnu/groff/groff-1.23.0.tar.gz>
MD5 sum: 5e4f40315a22bb8a158748e7d5094c7d
- **GRUB (2.12) - 6,524 KB:**
Home page: <https://www.gnu.org/software/grub/>
Download: <https://ftp.gnu.org/gnu/grub/grub-2.12.tar.xz>
MD5 sum: 60c564b1bdc39d8e43b3aab4bc0fb140
- **Gzip (1.13) - 819 KB:**
Home page: <https://www.gnu.org/software/gzip/>
Download: <https://ftp.gnu.org/gnu/gzip/gzip-1.13.tar.xz>
MD5 sum: d5c9fc9441288817a4a0be2da0249e29
- **Iana-Etc (20240125) - 589 KB:**
Home page: <https://www.iana.org/protocols>
Download:
<https://github.com/Mic92/iana-etc/releases/download/20240125/iana-etc-20240125.tar.gz>
MD5 sum: aed66d04de615d76c70890233081e584
- **Inetutils (2.5) - 1,632 KB:**
Home page: <https://www.gnu.org/software/inetutils/>
Download: <https://ftp.gnu.org/gnu/inetutils/inetutils-2.5.tar.xz>
MD5 sum: 9e5a6dfd2d794dc056a770e8ad4a9263
- **Intltool (0.51.0) - 159 KB:**
Home page: <https://freedesktop.org/wiki/Software/intltool>
Download: <https://launchpad.net/intltool/trunk/0.51.0/+download/intltool-0.51.0.tar.gz>
MD5 sum: 12e517cac2b57a0121cda351570f1e63
- **IPRoute2 (6.7.0) - 900 KB:**
Home page: <https://www.kernel.org/pub/linux/utils/net/iproute2/>
Download: <https://www.kernel.org/pub/linux/utils/net/iproute2/iproute2-6.7.0.tar.xz>
MD5 sum: 35d8277d1469596b7edc07a51470a033
- **Jinja2 (3.1.3) - 264 KB:**
Home page: <https://jinja.palletsprojects.com/en/3.1.x/>
Download: <https://pypi.org/packages/source/J/Jinja2/Jinja2-3.1.3.tar.gz>
MD5 sum: caf5418c851eac59e70a78d9730d4cea
- **Kbd (2.6.4) - 1,470 KB:**
Home page: <https://kbd-project.org/>
Download: <https://www.kernel.org/pub/linux/utils/kbd/kbd-2.6.4.tar.xz>
MD5 sum: e2fd7adccf6b1e98eb1ae8d5a1ce5762
- **Kmod (31) - 558 KB:**
Home page: <https://github.com/kmod-project/kmod>
Download: <https://www.kernel.org/pub/linux/utils/kernel/kmod/kmod-31.tar.xz>
MD5 sum: 6165867e1836d51795a11ea4762ff66a
- **Less (643) - 579 KB:**
Home page: <https://www.greenwoodsoftware.com/less/>
Download: <https://www.greenwoodsoftware.com/less/less-643.tar.gz>
MD5 sum: cf05e2546a3729492b944b4874dd43dd
- **Libcap (2.69) - 185 KB:** Home page: <https://sites.google.com/site/fullycapable/>
Download: <https://www.kernel.org/pub/linux/libs/security/linux-privs/libcap2/libcap-2.69.tar.xz>
MD5 sum: 4667bacb837f9ac4adb4a1a0266f4b65
- **Libffi (3.4.4) - 1,331 KB:**

Home page: <https://sourceware.org/libffi/>

Download: <https://github.com/libffi/libffi/releases/download/v3.4.4/libffi-3.4.4.tar.gz>

MD5 sum: 0da1a5ed7786ac12dcbaf0d499d8a049

- **Libpipeline (1.5.7) - 956 KB:**

Home page: <https://libpipeline.nongnu.org/>

Download: <https://download.savannah.gnu.org/releases/libpipeline/libpipeline-1.5.7.tar.gz>

MD5 sum: 1a48b5771b9f6c790fb4efdb1ac71342

- **Libtool (2.4.7) - 996 KB:**

Home page: <https://www.gnu.org/software/libtool/>

Download: <https://ftp.gnu.org/gnu/libtool/libtool-2.4.7.tar.xz>

MD5 sum: 2fc0b6ddcd66a89ed6e45db28fa44232

- **Libxcrypt (4.4.36) - 610 KB:**

Home page: <https://github.com/besser82/libxcrypt/>

Download:

<https://github.com/besser82/libxcrypt/releases/download/v4.4.36/libxcrypt-4.4.36.tar.xz>

MD5 sum: b84cd4104e08c975063ec6c4d0372446

- **Linux (6.7.4) - 138,130 KB:**

Home page: <https://www.kernel.org/>

Download: <https://www.kernel.org/pub/linux/kernel/v6.x/linux-6.7.4.tar.xz>

MD5 sum: 370e1b6155ae63133380e421146619e0



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- **M4 (1.4.19) - 1,617 KB:**

Home page: <https://www.gnu.org/software/m4/>

Download: <https://ftp.gnu.org/gnu/m4/m4-1.4.19.tar.xz>

MD5 sum: 0d90823e1426f1da2fd872df0311298d

- **Make (4.4.1) - 2,300 KB:**

Home page: <https://www.gnu.org/software/make/>

Download: <https://ftp.gnu.org/gnu/make/make-4.4.1.tar.gz>

MD5 sum: c8469a3713cbbe04d955d4ae4be23eeb

- **Man-DB (2.12.0) - 1,941 KB:**

Home page: <https://www.nongnu.org/man-db/>

Download: <https://download.savannah.gnu.org/releases/man-db/man-db-2.12.0.tar.xz>

MD5 sum: 67e0052fa200901b314fad7b68c9db27

- **Man-pages (6.06) - 2,116 KB:**

Home page: <https://www.kernel.org/doc/man-pages/>

Download: <https://www.kernel.org/pub/linux/docs/man-pages/man-pages-6.06.tar.xz>

MD5 sum: 26b39e38248144156d437e1e10cb20bf

- **MarkupSafe (2.1.5) - 19 KB:**

Home page: <https://palletsprojects.com/p/markupsafe/>

Download: <https://pypi.org/packages/source/M/MarkupSafe/MarkupSafe-2.1.5.tar.gz>

MD5 sum: 8fe7227653f2fb9b1ffe7f9f2058998a

- **Meson (1.3.2) - 2,172 KB:**

- Home page: <https://mesonbuild.com>
Download: <https://github.com/mesonbuild/meson/releases/download/1.3.2/meson-1.3.2.tar.gz>
MD5 sum: 2d0ebd3a24249617b1c4d30026380cf8
- **MPC (1.3.1) - 756 KB:**
Home page: <https://www.multiprecision.org/>
Download: <https://ftp.gnu.org/gnu/mpc/mpc-1.3.1.tar.gz>
MD5 sum: 5c9bc658c9fd0f940e8e3e0f09530c62
 - **MPFR (4.2.1) - 1,459 KB:**
Home page: <https://www.mpfr.org/>
Download: <https://ftp.gnu.org/gnu/mpfr/mpfr-4.2.1.tar.xz>
MD5 sum: 523c50c6318dde6f9dc523bc0244690a
 - **Ncurses (6.4-20230520) - 2,156 KB:**
Home page: <https://www.gnu.org/software/ncurses/>
Download: <https://anduin.linuxfromscratch.org/LFS/ncurses-6.4-20230520.tar.xz>
MD5 sum: c5367e829b6d9f3f97b280bb3e6bfbc3
 - **Ninja (1.11.1) - 225 KB:**
Home page: <https://ninja-build.org/>
Download: <https://github.com/ninja-build/ninja/archive/v1.11.1/ninja-1.11.1.tar.gz>
MD5 sum: 32151c08211d7ca3c1d832064f6939b0
 - **OpenSSL (3.2.1) - 17,318 KB:**
Home page: <https://www.openssl.org/>
Download: <https://www.openssl.org/source/openssl-3.2.1.tar.gz>
MD5 sum: c239213887804ba00654884918b37441
 - **Patch (2.7.6) - 766 KB:**
Home page: <https://savannah.gnu.org/projects/patch/>
Download: <https://ftp.gnu.org/gnu/patch/patch-2.7.6.tar.xz>
MD5 sum: 78ad9937e4caadcba1526ef1853730d5
 - **Perl (5.38.2) - 13,359 KB:**
Home page: <https://www.perl.org/>
Download: <https://www.cpan.org/src/5.0/perl-5.38.2.tar.xz>
MD5 sum: d3957d75042918a23ec0abac4a2b7e0a
 - **Pkgconf (2.1.1) - 305 KB:**
Home page: <http://pkgconf.org/>
Download: <https://distfiles.ariadne.space/pkgconf/pkgconf-2.1.1.tar.xz>
MD5 sum: bc29d74c2483197deb9f1f3b414b7918
 - **Procps (4.0.4) - 1,369 KB:**
Home page: <https://gitlab.com/procps-ng/procps/>
Download: <https://sourceforge.net/projects/procps-ng/files/Production/procps-ng-4.0.4.tar.xz>
MD5 sum: 2f747fc7df8ccf402d03e375c565cf96
 - **Psmisc (23.6) - 415 KB:**
Home page: <https://gitlab.com/psmisc/psmisc>
Download: <https://sourceforge.net/projects/psmisc/files/psmisc/psmisc-23.6.tar.xz>
MD5 sum: ed3206da1184ce9e82d607dc56c52633
 - **Python (3.12.2) - 20,109 KB:**
Home page: <https://www.python.org/>
Download: <https://www.python.org/ftp/python/3.12.2/Python-3.12.2.tar.xz>
MD5 sum: e7c178b97bf8f7ccd677b94d614f7b3c
 - **Python Documentation (3.12.2) - 8,065 KB:**
Download: <https://www.python.org/ftp/python/doc/3.12.2/python-3.12.2-docs-html.tar.bz2>

MD5 sum: 8a6310f6288e7f60c3565277ec3b5279

- **Readline (8.2) - 2,973 KB:**

Home page: <https://tiswww.case.edu/php/chet/readline/rltop.html>

Download: <https://ftp.gnu.org/gnu/readline/readline-8.2.tar.gz>

MD5 sum: 4aa1b31be779e6b84f9a96cb66bc50f6

- **Sed (4.9) - 1,365 KB:**

Home page: <https://www.gnu.org/software/sed/>

Download: <https://ftp.gnu.org/gnu/sed/sed-4.9.tar.xz>

MD5 sum: 6aac9b2dbafcd5b7a67a8a9bcb8036c3

- **Setuptools (69.1.0) - 2,168 KB:**

Home page: <https://pypi.org/project/setuptools/>

Download: <https://pypi.org/packages/source/s/setuptools/setuptools-69.1.0.tar.gz>

MD5 sum: 6f6eb780ce12c90d81ce243747ed7ab0

- **Shadow (4.14.5) - 1,765 KB:**

Home page: <https://github.com/shadow-maint/shadow/>

Download:

<https://github.com/shadow-maint/shadow/releases/download/4.14.5/shadow-4.14.5.tar.xz>

MD5 sum: 452b0e59f08bf618482228ba3732d0ae

- **Systemd (255) - 14,516 KB:**

Home page: <https://www.freedesktop.org/wiki/Software/systemd/>

Download: <https://github.com/systemd/systemd/archive/v255/systemd-255.tar.gz>

MD5 sum: 521cda27409a9edf0370c128fae3e690

- **Systemd Man Pages(255) - 652 KB:**

Home page: <https://www.freedesktop.org/wiki/Software/systemd/>

Download: <https://andu.in.linuxfromscratch.org/LFS/systemd-man-pages-255.tar.xz>

MD5 sum: 1ebe54d7a80f9abf8f2d14ddfcb2432d



Linux From Scratch

systemd

man

- **Tar (1.35) - 2,263 KB:**

Home page: <https://www.gnu.org/software/tar/>

Download: <https://ftp.gnu.org/gnu/tar/tar-1.35.tar.xz>

MD5 sum: a2d8042658cfd8ea939e6d911eaf4152

- **Tcl (8.6.13) - 10,581 KB:**

Home page: <http://tcl.sourceforge.net/>

Download: <https://downloads.sourceforge.net/tcl/tcl8.6.13-src.tar.gz>

MD5 sum: 0e4358aade2f5db8a8b6f2f6d9481ec2

- **Tcl Documentation (8.6.13) - 1,165 KB:**

Download: <https://downloads.sourceforge.net/tcl/tcl8.6.13-html.tar.gz>

MD5 sum: 4452f2f6d557f5598cca17b786d6eb68

- **Texinfo (7.1) - 5,416 KB:**

Home page: <https://www.gnu.org/software/texinfo/>

Download: <https://ftp.gnu.org/gnu/texinfo/texinfo-7.1.tar.xz>

MD5 sum: edd9928b4a3f82674bcc3551616eef3b

- **Time Zone Data (2024a) - 444 KB:**

Home page: <https://www.iana.org/time-zones>

Download: <https://www.iana.org/time-zones/repository/releases/tzdata2024a.tar.gz>

MD5 sum: 2349edd8335245525cc082f2755d5bf4

- **Util-linux (2.39.3) - 8,327 KB:**

Home page: <https://git.kernel.org/pub/scm/utils/util-linux/util-linux.git/>

Download: <https://www.kernel.org/pub/linux/utils/util-linux/v2.39/util-linux-2.39.3.tar.xz>

MD5 sum: f3591e6970c017bb4bcd24ae762a98f5

- **Vim (9.1.0041) - 17,224 KB:**

Home page: <https://www.vim.org>

Download: <https://github.com/vim/vim/archive/v9.1.0041/vim-9.1.0041.tar.gz>

MD5 sum: 79dfe62be5d347b1325cbd5ce2a1f9b3



vim

<https://github.com/vim/vim/tags>

- **Wheel (0.42.0) - 97 KB:**

Home page: <https://pypi.org/project/wheel/>

Download: <https://pypi.org/packages/source/w/wheel/wheel-0.42.0.tar.gz>

MD5 sum: 802ad6e5f9336fcb1c76b7593f0cd22d

- **XML::Parser (2.47) - 276 KB:**

Home page: <https://github.com/chorny/XML-Parser>

Download: <https://cpan.metacpan.org/authors/id/T/TO/TODDR/XML-Parser-2.47.tar.gz>

MD5 sum: 89a8e82cfd2ad948b349c0a69c494463

- **Xz Utils (5.4.6) - 1,645 KB:**

Home page: <https://tukaani.org/xz>

Download: <https://github.com/tukaani-project/xz/releases/download/v5.4.6/xz-5.4.6.tar.xz>

MD5 sum: 7ade7bd1181a731328f875bec62a9377

- **Zlib (1.3.1) - 1,478 KB:**

Home page: <https://zlib.net/>

Download: <https://zlib.net/fossils/zlib-1.3.1.tar.gz>

MD5 sum: 9855b6d802d7fe5b7bd5b196a2271655

- **Zstd (1.5.5) - 2,314 KB:**

Home page: <https://facebook.github.io/zstd/>

Download: <https://github.com/facebook/zstd/releases/download/v1.5.5/zstd-1.5.5.tar.gz>

MD5 sum: 63251602329a106220e0a5ad26ba656f

: 505 MB

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