

openSoftware

Release Notes 2022

Contact / Information	2
Supported Platforms	3
Platforms on Request (no longer included in release)	3
Release Content	4
List of sc_perl Modules	8
Coming Releases	9



science + computing ag

Hagellocher Weg 73
72070 Tübingen

<https://atos.net/s+c>
opensource@science-computing.de

Contact / Information

If you want to purchase openSoftware or if you want to post support requests, please send an Email to:

opensoftware@science-computing.de

Find current information about openSoftware at:

<https://atos.net/s+c>

Do you miss a software package?

Please contact us if there is a software missing from our [List of all software packages in the release](#).

In general, every open-source software can be added to the list (see also https://en.wikipedia.org/wiki/Free_license).

Supported Platforms

openSoftware comprises open-source software packages for the following operating systems:

- Red Hat Enterprise Linux 8 / CentOS 8
- Red Hat Enterprise Linux 7 / CentOS 7
- Rocky Linux 8
- SUSE Linux Enterprise Server 15
- SUSE Linux Enterprise Server 12
- openSUSE 15
- Debian 11 "Bullseye"
- Debian 10 "Buster"
- Ubuntu 22.04 LTS
- Ubuntu 20.04 LTS

Platforms on Request (no longer included in release)

Individual packages are additionally available for the following platforms / architectures / operating systems (pricing information see „Contact“):

- Red Hat Enterprise Linux 6 / CentOS 6
- SUSE Linux Enterprise Server 11
- openSUSE 42.x
- Debian 9 "Stretch"
- Ubuntu 18.04 LTS
- Ubuntu 16.04 LTS

List of all software packages in the release

Current as well as older versions are available for the following software packages.

Other Linux open source software packages are available on demand.

Software	Description	Website	License
ant	build tool	ant.apache.org	Apache License 2.0
bash	Bourne Again Shell	www.gnu.org/software/bash/	GNU GPLv3
bison	parser generator	www.gnu.org/software/bison/	GNU GPLv3
bzip2	compression	www.bzip.org	BSD-like license
certlint	X.509 Certificate Linter	github.com/awslabs/certlint	Apache License 2.0
checkpasswd-pam	checkpassword-compatible authentication	checkpasswd-pam.sourceforge.net	GNU GPLv2
cmake	development tool	cmake.org	New BSD License
doxygen	documentation	www.doxygen.org	GNU GPLv2
emacs	text editor	www.gnu.org/software/emacs/	GNU GPLv3
flex	lexical analysis	flex.sourceforge.net	BSD-like license
freemind	mind mapping	freemind.sourceforge.net	GNU GPLv2
gcc 9, 12	C, C++, Fortran Compiler	www.gnu.org/software/gcc/	GNU GPLv2
gdb	debugger	www.gnu.org/software/gdb/	GNU GPLv2
ghostscript	postscript converter	www.ghostscript.com	GNU Affero GPL
git	version control	www.git-scm.com	GNU GPLv2
gnuplot	plotting	www.gnuplot.info	gnuplot-owned license

grace	plotting, visualisation	plasma-gate.weizmann.ac.il/Grace/	GNU GPLv2
graphviz	plotting	www.graphviz.org	Eclipse Public License 1.0
imagemagick	image viewer	www.imagemagick.org	Apache License 2.0
jedit	text editor	www.jedit.org	GNU GPLv2
keepassx	password management	www.keepassx.org	GNU GPLv2
kpcli	password management for CLI	kpcli.sourceforge.net	Perl-like license
libreoffice	office suite	www.libreoffice.org	GNU LGPLv3
libtcl	scripting language Tcl	www.tcl.tk	BSD-like license
libtk	Widget Toolkit Tk	www.tcl.tk	BSD-like license
m4	macro language	www.gnu.org/software/m4/	GNU GPLv3
make	development tool	www.gnu.org/software/make/	GNU GPLv3
mercurial	version control (included in sc_python)	mercurial.selenic.com	GNU GPLv2
mplayer2	movie player	before www.mplayer2.org	GNU GPLv3
mplayer	movie player	www.mplayerhq.hu	GNU GPLv2
mutt	Email client	www.mutt.org	GNU GPLv2
netbeans	development environment	www.netbeans.org	GNU GPLv2
netpbm	image converter	netpbm.sourceforge.net	multiple licenses
ntp	time synchronization	www.ntp.org	NTP License
octave	maths package	www.gnu.org/software/octave/	GNU GPL
openfoam	simulation software for continuum mechanics	www.openfoam.com	GNU GPLv3
openssh	secure data connection	www.openssh.com	2-clause BSD license

p7zip	compression	p7zip.sourceforge.net	GNU LGPL
postgresql	relational database	www.postgresql.org	PostgreSQL License
povray	Raytracer	www.povray.org	GNU AGPLv3
procmail	Email processing	www.procmail.org	GNU GPL oder Artistic License
psutils	Postscript Utilities	github.com/rrthomas/psutils	psutils-owned license
pvm	parallel communication library	www.csm.ornl.gov/pvm/	GNU GPL, BSD license
qt4	qt library	www.qt.io	GNU GPLv3, GNU LGPLv3.0, GNU LGPLv2.1, Qt Commercial License
qt5	qt library	www.qt.io	GNU GPLv3, GNU LGPLv3.0, GNU LGPLv2.1, Qt Commercial License
rdesktop	client for Windows Remote Desktop	www.rdesktop.org	GNU GPLv3
recordmydesktop	desktop session recorder	recordmydesktop.sourceforge.net	GNU GPLv2
rsync	file synchronisation	rsync.samba.org	GNU GPLv3
ruby	Ruby Interpreter	www.ruby-lang.org/	GNU GPLv2
samba	Unix-Windows-integration	www.samba.org	GNU GPLv3
sc_perl	Perl interpreter containing about 250 CPAN modules (see page 8)	www.perl.org	GNU GPL or Artistic License
sc_python 3	Perl interpreter containing about 50 modules (see page 9)	www.python.org	Python Software Foundation License
scala	programming language	www.scala-lang.org	3-clause BSD license
screen	terminal multiplexer	www.gnu.org/software/screen/	GNU GPLv3
shellcheck	Shell Script Linter / Checker	www.shellcheck.net	GNU GPLv3
ssh_scan	SSH configuration/policy scanner	github.com/mozilla/ssh_scan	Ruby-like license
subversion	version control	subversion.apache.org	Apache License 2.0

tcsh	tcsh	www.tcsh.org	BSD license
testssl	TLS cipher checker	testssl.sh	GNU GPLv2
texinfo	documentation	www.gnu.org/software/texinfo	GNU GPLv3
tgif	vector-oriented drawing	bourbon.usc.edu/tgif/	Q Public License
tig	NCurses Git browser (in package git)	http://jonas.nitro.dk/tig/	GNU GPLv2
tightvnc	remote desktop for Windows/Unix	www.tightvnc.com	GNU GPLv2
tkdiff	Difftool	tkdiff.sourceforge.net	GNU GPLv2
tmux	terminal multiplexer	tmux.github.io	ISC License
tomcat	Apache JSP/Servlet Container	tomcat.apache.org	Apache License 2.0
valgrind	memory checker, validation	www.valgrind.org	GNU GPLv2
vim	editor	www.vim.org	VIM-owned license
x11vnc	offers current X session via VNC	www.karlrunge.com/x11vnc/	GNU GPLv2
xclip	X clipboard (necessary for x* features in kpcli)	sourceforge.net/projects/xclip/	GNU GPLv2
xemacs	editor	www.xemacs.org	GNU GPLv3
xfig	vector-oriented drawing	www.xfig.org	MIT/X-like licence
xpdf	slim PDF viewer	www.foolabs.com/xpdf/	GNU GPLv2

sc_perl-5 modules

with the following CPAN modules:

Algorithm-Diff, Apache-Session, Archive-Zip, Astro-FITS-Header, Authen-SASL, B-Hooks-EndOfScope, Bit-Vector, Bundle-CPAN, Cache-Simple-TimedExpiry, capitalization, Capture-Tiny, Carp-Clan, CGI, CGI-Simple, Chart, Class-Accessor, Class-Data-Inheritable, Class-ErrorHandler, Class-Loader, Class-ReturnValue, Clipboard, Clone, Compress-Raw-Bzip2, Compress-Raw-Zlib, Convert-ASCII-Armour, Convert-ASN1, Convert-PEM, Convert-UU, Crypt-Blowfish, Crypt-CBC, Crypt-DES, Crypt-DES_EDE3, Crypt-DH, Crypt-DSA, Crypt-IDEA, Crypt-RC4, Crypt-Rijndael, Data-Buffer, Data-OptList, Data-Password, Date-Calc, Date-Format, Date-Manip, DBD-CSV, DBD-SQLite, DBI, DBIx-DataSource, DBIx-DBSchema, DBIx-SearchBuilder, Devel-CheckLib, Devel-Cycle, Devel-GlobalDestruction, Devel-StackTrace, Devel-Symdump, Digest, Digest-BubbleBabble, Digest-HMAC, Digest-HMAC_MD5, Digest-Perl-MD5, Digest-SHA1, Dist-CheckConflicts, Encode-Locale, Eval-Closure, Exception-Class, Expect, Exporter-Tiny, ExtUtils-Config, ExtUtils-F77, ExtUtils-Helpers, ExtUtils-InstallPaths, ExtUtils-PkgConfig, File-Copy-Recursive, File-KeePass, File-Listing, File-Map, File-Remove, File-ShareDir-Install, Filesys-Df, Filesys-Statvfs, File-Which, Font-TTF, GD, GDGraph, GDS2, GDText, GDTextUtil, Graph-Easy, GSSAPI, HTML-Element, HTML-ElementTable, HTML-Entities, HTML-Form, HTML-HeadParser, HTML-Parser, HTML-TableExtract, HTML-Tagset, HTML-Template, HTML-TokenParser, HTML-TreeBuilder, HTTP-Cookies, HTTP-Daemon, HTTP-Date, HTTP-Headers, HTTP-Headers-Util, HTTP-Negotiate, HTTP-Request, HTTP-Server-Simple, HTTP-Server-Simple-CGI, HTTP-Status, Importer, Inline, Inline-C, IO-CaptureOutput, IO-Compress-Bzip2, IO-Compress-Gzip, IO-HTML, IO-Scalar, IO-Socket-SSL, IO-String, IO-stringy, IO-Stty, IO-Tee, IO-Tty, IPC-Run3, JSON, libnet, List-MoreUtils, Log-Dispatch, Log-Log4perl, LWP, LWP-MediaTypes, LWP-Protocol-https, LWP-UserAgent, Mail-Header, Mail-Sender, MailTools, Math-Approx, Math-Base-Convert, Math-BigInt, Math-BigInt-FastCalc, Math-BigInt-GMP, Math-BigInt-Pari, Math-BigRat, Math-FFT, Math-Matrix, Math-MatrixReal, Math-Pari, Math-Units, MIME-Base64, MIME-tools, MLDBM, Mock-Config, Module-Build, Module-Build-Tiny, Module-Compile, Module-Implementation, Module-Install, Module-Runtime, Module-ScanDeps, Mozilla-CA, MRO-Compat, namespace-autoclean, namespace-clean, Net-DNS, Net-HTTP, Net-IP, Net-Rsh, Net-SSLeay, OLE-Storage_Lite, Package-Stash, PadWalker, Params-Util, Params-Validate, Params-ValidationCompiler, Parse-RecDescent, Parse-Yapp, Path-Tiny, PDF-API2, PDL, Pegex, PerlIO-Layers, perl-ldap, Perl-Tidy, Pod-Coverage, Probe-Perl, Quota, Rcs, Role-Tiny, Scalar-List-Utils, Sort-Naturally, Sort-Versions, Specio, Spiffy, Spreadsheet-ParseExcel, Spreadsheet-WriteExcel, SQL-Statement, Storable, String-Random, Sub-Exporter-Progressive, Sub-Identify, Sub-Info, Sub-Install, Sub-Uplevel, SUPER, Switch, TermReadKey, Term-ReadLine-Gnu, Term-ReadLine-Perl, Term-ShellUI, Term-Table, Test2-Plugin-NoWarnings, Test2-Require-Module, Test2-Suite, Test-Base, Test-Deep, Test-Differences, Test-Exception, Test-Fatal, Test-Inter, Test-Memory-Cycle, Test-MockModule, Test-Most, Test-Needs, Test-NoWarnings, Test-Output, Test-Pod, Test-Pod-Coverage, Test-Requires, Test-RequiresInternet, Test-Script, Test-Tester, Test-Warn, Test-Warnings, Test-Without-Module, Test-YAML, Text-Balanced, Text-CSV_XS, Text-Diff, Text-Iconv, Text-Soundex, Text-Template, Text-Wrapper, Tie-EncryptedHash, Tie-IxHash, TimeDate, Time-HiRes, Tk, Try-Tiny, Unicode-String, URI, URI-file, Want, WWW-Mechanize, WWW-RobotRules, XML-DOM, XML-Dumper, XML-Filter-BufferText, XML-Namespacesupport, XML-Parser, XML-Parser-PerlSAX, XML-RegExp, XML-SAX, XML-SAX-Base, XML-SAX-Exception, XML-SAX-Expat, XML-SAX-Writer, XML-Simple, XML-Twig, XML-XPath, YAML, YAML-Tiny, YAML-XS

Further modules are available on request.

Coming Releases

Planned new software packages:

- scilab - www.scilab.org/scilab/gallery/environment
- xcos - www.scilab.org/scilab/gallery/xcos
- X2Go - wiki.x2go.org

Planned new platforms:

- Alma Linux