

<u>Free and open source software</u>	
General	Copyleft · Events and Awards · Free software · Free Software Definition · Gratis versus Libre · List of free and open source software packages · Open-source software
<u>Operating system families</u>	AROS · BSD · Darwin · FreeDOS · GNU · Haiku · Inferno · Linux · Mach · MINIX · OpenSolaris · Symbian · Plan 9 · ReactOS
<u>Development</u>	Eclipse · Free Pascal · GCC · Java · LLVM · Lua · NetBeans · Open64 · Perl · PHP · Python · ROSE · Ruby · Tcl
<u>History</u>	GNU · Haiku · Linux · Mozilla (Application Suite) · Firefox · Thunderbird
Organizations	Apache Software Foundation · Blender Foundation · Eclipse Foundation · freedesktop.org · Free Software Foundation (Europe) · India · Latin America · FSMI · GNOME Foundation · GNU Project · Google Code · KDE e.V. · Linux Foundation · Mozilla Foundation · Open Source Geospatial Foundation · Open Source Initiative · SourceForge · Symbian Foundation · Xiph.Org Foundation · XMPP Standards Foundation · X.Org Foundation
<u>Licences</u>	Apache · Artistic · BSD · GNU GPL · GNU LGPL · ISC · MIT · MPL · Ms-PL/RL · zlib · FSF approved licenses
License standards	Open Source Definition · The Free Software Definition · Debian Free Software Guidelines
Challenges	Binary blob · Digital rights management · Graphics hardware compatibility · License proliferation · Mozilla software rebranding · Proprietary software · SCO-Linux controversies · Security · Software patents · Hardware restrictions · Trusted Computing · Viral license
Other topics	Alternative terms · Community · Linux distribution · Forking · Movement · Microsoft Open Specification Promise · Revolution OS · Comparison with closed source

CAx

Electronic design automation (EDA)

Finance

- [Adempiere](#) — ERP Business Suite
- [Compiere](#) — ERP solution automates accounting, supply chain, inventory and sales orders
- [GnuCash](#) — [Double-entry book-keeping](#)
- [Grisbi](#) — Single-entry
- [HomeBank](#) — for personal use
- [jFin](#)
- [JGnash](#) — [Java](#)-based, [double-entry book-keeping](#)
- [JQuantLib](#) — [Java](#)-based Quantitative Finance API framework for financial instrument valuation and more...
- [KMyMoney](#) — [Double-entry book-keeping](#)
- [LedgerSMB](#) — [Double-entry book-keeping](#)
- [Mifos](#) — [Microfinance](#) Institution management software
- [Octopus Micro Finance Suite](#) — [Microfinance](#) Institution management software
- [Openbravo](#)
- [OpenERP](#) — ERP system
- [Postbooks](#) — Integrated Accounting and ERP Business Suite
- [Quasar Accounting](#)
- [QuickFIX/J](#) — [FIX protocol](#) engine written in [Java](#)
- [SQL Ledger](#) — [Double-entry book-keeping](#)
- [Tryton](#)
- [TurboCASH](#) — [Double-entry book-keeping](#) for Windows

See also: [Comparison of accounting software](#)

Integrated Library System

- [Evergreen](#)
- [Koha](#)
- [NewGenLib](#)
- [PMB](#)

Mathematics

Computer simulation

- [SimPy](#); queue-theoretic event-based simulator written in [Python](#)
- [Blender](#); 3D modeling software written in [Python](#) and [C++](#) that can make animations and games

Science

Geographic Information Systems

Plotting

Microscope image processing

- [CellProfiler](#)
- [ImageJ](#)
- [FIJI \(software\)](#)
- [Endrov](#)

Molecule viewer

- [Jmol](#)
- [Molekel](#)
- [MeshLab](#), able to import PDB dataset and build up surfaces from them
- [PyMOL](#)
- [QuteMol](#)
- [RasMol](#)

Molecular dynamics

- [Ascalaph Designer](#)
- [GROMACS](#)
- [MDynaMix](#)
- [TINKER](#)
- [NAMD](#)

Bioinformatics

- [Bioclipse](#)
- [BioRails](#)
- [UGENE](#)
- [GENtle](#)

Cheminformatics

- [Chemistry Development Kit](#)

- [JOELib](#)
- [OpenBabel](#)

Grid Computing

- [P-GRADE Portal](#) — Grid portal software enabling the creation, execution and monitoring of workflows through high-level Web interfaces

Statistics

Artificial Intelligence

- Computer Vision
 - [OpenCV](#) Open Source Computer Vision Library
- Robotics
 - [ROS](#) Robot Operating System
- Planning
 - [TRES](#) Reactive planning
- Machine Learning
 - See [Data Mining](#) below
 - See [R programming language](#) -- packages of statistical learning and analysis tools

Speech (Speech Synthesis, Speech Recognition)

- [CMU Sphinx](#) — Speech recognition software from [Carnegie Mellon University](#)
- [Emacspeak](#) — Audio desktop
- [Festival Speech Synthesis System](#)
- [Modular Audio Recognition Framework](#) — voice, audio, speech, NLP processing
- [NonVisual Desktop Access](#) (NVDA) Screen reader for Windows
- [Text2Speech](#) — Lightweight and easy to use Text To Speech (TTS) Software
- [ESpeak](#) - compact open source software speech synthesizer for English and other languages

Other Assistive Technology

- [Dasher](#) — Unique text input software
- [Gnopernicus](#) — AT suite for GNOME 2
- [Virtual Magnifying Glass](#) - a free, open source, multiplatform, screen magnification tool.

DATA STORAGE AND MANAGEMENT

Backup software

File archivers

File Systems

- [OpenAFS](#) -- a [Distributed File System](#) supporting a very wide variety of operating systems

Database management systems (including administration)

A	G CONT.	M CONT.
<ul style="list-style-type: none">• Apache Derby	<ul style="list-style-type: none">• GT.M• Gadfly (database)• Gizzard (scala framework)• Gladius DB	<ul style="list-style-type: none">• MongoDB• MySQL
<ul style="list-style-type: none">• Berkeley DB• BlackRay	<ul style="list-style-type: none">• H2 (DBMS)• HBase• Habanero.NET• HSQLDB• Hypertable	<ul style="list-style-type: none">• Neo (object-relational toolset)• Neo4j• NeoDatis ODB
<ul style="list-style-type: none">• C-Store• CSQL Cache• Apache Cassandra• Cdb (software)• CouchDB• CSQL• CUBRID	<ul style="list-style-type: none">• Infobright• User:Ingenth/draft on membase• Ingres (database)	<ul style="list-style-type: none">• ObjectMapper .NET• OpenQM• OpenOffice.org Base
<ul style="list-style-type: none">• Database Management Library• Dataphor• Db4o• Dbm• Drizzle (database server)	<ul style="list-style-type: none">• JGnash	<ul style="list-style-type: none">• User:Pebau/Rasdaman• Percona Server• Perst• PostgreSQL
<ul style="list-style-type: none">• Kexi		<ul style="list-style-type: none">• Redis (data store)• Rel (DBMS)

		• Keyspace (data store)	S
	• EXist		
	• EnterpriseDB	L	• Sedna (database)
F		• LucidDB	• SmallSQL
			• SQLite
	• Firebird (database server)	M	T
	• FlockDB		
	• Fyracle		
G		• MSQL-JDBC	• Tdbengine
		• MariaDB	• TxtSQL
		• Membase	
		• MemcacheDB	V
	• GCfilms	• Metakit	
	• GCstar	• Mnesia	• Virtuoso Universal Server
	• GNOME-DB	• MonetDB	• VoltDB
			Z
			• Zope Object Database

Data Visualization Components

- [FusionCharts Free](#)
- [ParaView](#) plotting and visualization functions developed by Sandia National Laboratory, capable of massively parallel flow visualization utilizing multiple computer processors

Data mining

- [Orange \(software\)](#) — Open source data visualization and data mining for novice and experts, through visual programming or Python scripting. Extensions for bioinformatics and text mining.
- [RapidMiner](#) — data mining software written in Java, fully integrating Weka, featuring 350+ operators for preprocessing, machine learning, visualization, etc.
- [Scriptella ETL](#) — [ETL \(Extract-Transform-Load\)](#) and script execution tool. Supports integration with J2EE and Spring. Provides connectors to CSV, LDAP, XML, JDBC/ODBC and other data sources.
- [Weka](#) — data mining software written in Java featuring machine learning operators for classification, regression, and clustering.
- [jHepWork](#) — Java-based data analysis framework
- [Konstanz Information Miner \(KNIME\)](#)

- [Environment for DeveLoping KDD-Applications Supported by Index-Structures \(ELKI\)](#)
- data mining software framework written in Java with a focus on clustering and outlier detection methods.

Enterprise search engines

- [Jumper 2.0](#)
- [Lucene](#)
- [Solr](#)
- [Xapian](#)

ETLs (Extract Transform Load)

- [CloverETL](#)
- [Talend](#)
- [Pentaho](#)
- [SpagoBI](#)
- [Konstanz Information Miner \(KNIME\)](#)

E-mail

Instant messaging

IRC Clients

RSS/Atom readers/aggregators

- [RSS Bandit](#) - Windows - .NET
- [RSSOwl](#) - Windows, Mac OS X, Solaris, Linux - Java SWT Eclipse
- [Agregator](#) - Platforms running KDE
- [Sage \(Mozilla Firefox extension\)](#)
- [Liferea](#) - Platforms running GNOME

Communication-related

- [Asterisk](#) — Telephony and [VoIP](#) server
- [Ekiga](#) — Video conferencing application for [GNOME](#) and Microsoft Windows
- [FreePBX](#) — Front-end and advanced PBX configuration for [Asterisk](#)
- [FreeSWITCH](#) — Open Source telephony platform
- [QuteCom](#) — Free Voice, Video and IM client application
- [SIP Communicator](#) — Java VoIP and Instant Messaging client
- [sipX](#) — SIP Communications Server
- [Slrn](#) — a [newsreader](#)
- [Twinkle](#) — VOIP softphone

File transfer

Peer-to-peer file sharing

Remote access and management

- [FreeNX](#)
- [OpenVPN](#)
- [Purgos](#)
- [rdesktop](#)
- [Synergy](#)
- [VNC](#) ([RealVNC](#), [TightVNC](#), [UltraVNC](#))

Routing software

Web browsers

Webcam

- [Cheese](#)

Webgrabber

- [cURL](#)
- [HTTrack](#)
- [Wget](#)

Web-related

- [Apache Cocoon](#) — a web application framework
- [Apache](#) — the most popular web server
- [AWStats](#) — a log file parser and analyzer
- [BookmarkSync](#) — a tool for browsers
- [CougarXML](#) — A Javascript framework for parsing and manipulating XML code, based on W3C DOM Level-3 specifications.
- [curl-loader](#) - a powerful HTTP/HTTPS/FTP/FTPS loading and testing open-source tool
- [HTTP File Server](#) — a user friendly file server software with a drag and drop interface
- [Distributed ICDL Crawler](#) — an open source web crawler based on [Website Parse Template](#)
- [lighttpd](#) — Resource sparing but also fast and full featured HTTP Server
- [nginx](#) — lightweight, high performance web server/reverse proxy and e-mail (IMAP/POP3) proxy
- [NetKernel](#) — an internet application server
- [Qcodo](#) — Open Source PHP 5 Framework
- [Roxen Webserver](#) — Open Source web server
- [Squid cache](#) — web proxy cache
- [Web-Developer Server Suite](#) — a package of web applications including Apache, MySQL, and PHP
- [XAMPP](#) — a package of web applications including Apache and MySQL
- [Zope](#) — a web application server

Portal Server

- [Liferay](#)
- [Sun Java System Portal Server](#)
- [uPortal](#)

Middleware

- [Apache Axis2](#) - Web service framework (implementations are available in both Java & C)

- [Apache Geronimo](#)
- [GlassFish Application Server](#)
- [JacORB](#) — Java implementation of the OMG's CORBA standard
- [Jakarta Tomcat](#) — a servlet container and standalone webserver
- [JBoss Application Server](#) an application server
- [ObjectWebJOnAS](#) — Java Open Application Server, a J2EE application server
- [OpenSplice DDS](#) — implementation of the OMG's Data Distribution Service for Real-time Systems (DDS) standard
- [SmartVariables](#) — a generic network-shared object application server
- [TAO \(software\)](#) — C++ implementation of the OMG's CORBA standard

Other networking programs

- [OpenLDAP](#) — an open source [LDAP](#) server
- [JXplorer](#) — an open source [LDAP](#) client
- [openVXI](#) — an open source [VoiceXML](#) interpreter
- [YaCy](#) — P2P-based search engine

Educational suites

- [eFront](#) - an icon-based learning management system
- [GCompris](#)
- [IUP Portfolio](#)
- [Moodle](#)
- [Sakai Project](#) - a web-based learning management system
- [Tux Paint](#) - a paint application for 3–12 years old.

Learning support

Main category: [Free learning support software](#)

Language

- [Kiten](#)
- [KVerbos](#)

Typing

- [KTouch](#)
- [Tux Typing](#)

Geography

- [KGeography](#)

Other educational programs

- [KEduca](#)
- [JClie](#)

FILE MANAGERS

Bible Study Tools

- [BibleDesktop](#) — For [Cross-platform](#)
- [BibleTime](#) — For [Linux](#) using [KDE](#)
- [Xiphos](#)[The_SWORD_Project](#) — For [Linux](#) using [GNOME](#)
- [Go Bible](#) — For [Java](#) Mobile Phones
- [jSword](#) — For [Java](#)
- [MacSword](#) — For [Mac OS X](#)
- [SwordBible](#) — For [Windows](#)
- [The SWORD Project for Windows](#) — For [Windows](#)
- [Marcion](#) — For [Linux](#) and [Windows](#), using [Qt](#) UI Framework and embedded [MySQL](#) server
- [Online Bible](#) — For [Windows](#) and [Mac OS X](#)

GAMES

Title	First Release	Last Update	Genre	Engine License	Content License	Additional Information
O.A.D.	2010	2010	RTS	GPLv2	CC-BY-SA	Historical, cross-platform RTS, using an original engine named Pyrogenesis. Game source code released July 10, 2009. ^[1]
Abuse	1995	2008	Shoot 'em up	Public domain	Public domain and Proprietary*	Game source code was released as public domain along with the shareware-released media files. ^[2] *Only shareware data, excluding the sound effects, is in the public domain; the rest is proprietary.
Adventure	1976		Text adventure	Public domain ^[3]	Public domain	The original text adventure game by Crowther / Woods.
Aleph One	2000	2010	FPS	GPL	Proprietary	Based on the source code for Marathon 2: Durandal .
Allegiance	2000	2009	Space Sim	MSR-SSLA	Proprietary	Game source code was released under a shared source license in 2002. ^[4]

Angband	1990	2009	RPG	Other ^[5]		A roguelikedungeon crawl game.
Aquaria	2010	2010	Action-adventure	GPL	Proprietary	Open sourced with Humble Indie Bundle . ^[6]
Armagetron Advanced	2001	2009	Racing	GPL	GPL	A multiplayer, 3D Tron lightcycle racing game.
AssaultCube	2006	2009	FPS	GPL	Proprietary	Based on the Cube engine.
<i>Battle City</i>	2005	2009	RTS	GPLv3	GPLv3	A fast paced real time strategy multiplayer online game.
Battle for Wesnoth	2005	2010	TBS	GPL	GPL	Turn based strategy game with RPG elements. Includes single-player campaign and skirmish modes as well as multiplayer.
Beyond the Titanic	1986		Text adventure	GPL	GPL	Game source released on March 20, 2009.
Black Shades	2002	2010	FPS	Other	Other	A first-person shooter in which you protect your VIP from attackers roaming the city.
Blob Wars: Metal Blob Solid	2003	2009	Platformer	GPL	Proprietary	

Blob Wars: Blob And Conquer	2008	2009	Action-Adv.	GPLv2	Proprietary	3D sequel to Blob Wars: Metal Blob Solid.
Blood II: The Chosen	1998	1999	FPS	other	Proprietary	uses Littech 1.0 engine
Bos Wars	2004	2010	RTS	GPL	GPL	2D RTS running on a modified version of the Stratagus engine.
BZFlag	1997	2010	Tank FPS	LGPL	LGPL	
Call to Power II	2000	2010	TBS , 4X	?	Proprietary	Currently updated by CtP2 Source Code Project at Apolyton.net.
C-evo	1999	2008	TBS , 4X	Public domain	Proprietary	Inspired by Sid Meier's Civilization .
Chromium B.S.U.	2000	2010	Arcade	Artistic	Artistic ^[7]	A fast paced, arcade-style, top-scrolling space shooter
CodeRED: Alien Arena	2004	2009	FPS	GPL	Proprietary ^[8]	
Crossfire	?	2008	MMORPG	GPL	GPL	
Cube 2: Sauerbraten	2004	2009	FPS	zlib	Proprietary	
Darwinbots	2003	2008	ALiveSim	?	?	

Dink Smallwood	1997	2008	Action RPG	?	?	
Doom	1993		FPS	GPL	Proprietary	Game source released on 1997, placed under GPL on 1999.
Duke Nukem 3D	1996		FPS	GPL	Proprietary	Game source released on April 1, 2003.
Eqoboo	2001	2009	Action RPG	GPLv2	GPLv2	
Enemy Nations	1997	1997	RTS	other	other	Complete game: source code, sound, music and high resolution graphics.
Enigma	2003	2007	Puzzle	GPL	GPL	
Fish Fillets NG	2004	2010	Puzzle	GPL	GPL	Released commercially as Fish Fillets in 1998. Source released in 2002 under the GPL.
FlightGear	1997	2010	Flight Sim	GPL	GPL	
Freeciv	1996	2010	TBS	GPL	GPL	Civilization II clone.
FreeCol	2003	2010	TBS	GPL	GPL	Sid Meier's Colonization clone.
FreeDoom	?	2009	FPS	Other ^[9]	?	Doom clone.
FreeSpace 2	1999	1999	Space Sim	Other ^[10]	Proprietary	Source code released in 2002

Frets on Fire	2006	2008	Music	GPL	GPL	Guitar Hero clone.
Frets on Fire X	2008	2009	Music	GPLv2	GPLv2	Frets on Fire fork.
Frogatto& Friends	2010	2010	Platformer	GPL	Proprietary	Initially for Windows, Linux, and Mac; hold and toss enemies, swim, talk; scripting language included.
Frozen Bubble	2002	2008	Puzzle	GPLv2	GPLv2	Puzzle Bobble clone.
Gang Garrison 2	2008	2010	Shooter	GPL	GPL	A retro "demake" of Team Fortress 2 .
Gish	2010	2010	Action game	GPL	Proprietary	Open sourced with Humble Indie Bundle . ^[11]
Glest	2004	2009	RTS	GPL	GPL	
Globulation 2	2008	2009	RTS	GPLv3	GPLv3	Currently in open beta .
GLtron	2003	2003	Racing	GPL	GPL	
GNOME Games	1998	2010	Various	GPL	GPL	A collection of games accompanying the rest of the GNOME desktop environment.
GNU Chess	1984	2003	Puzzle	GPL	GPL	
GNU Go	1999	2009	Puzzle	GPL	GPL	

Gunroar			FPS	?	?	A futuristic vertical shooter.
Gusanos	2004	2005	Shoot 'em up	GPL	GPL	Clone of Liero .
Hedgewars	2007	2010	TBS	GPLv2	GPLv2	Worms clone.
Heretic	1994		FPS	GPLv2	Proprietary	Game source released on 1999, put under GPL on September 4, 2008.
Hexen	1996		FPS	GPLv2	Proprietary	Game source released on 1999, put under GPL on September 4, 2008.
Hexen II	1997		FPS	GPL	Proprietary	Game source released 2000.
Jagged Alliance 2	1999	2008	TBS/RPG	Other ^[12]	Proprietary	Source code was released circa 2004, and is actively being developed under the title, "1.13 Mod".
Kiki the nano bot	2003	2007	Puzzle	Public domain	Public domain	Mixture of Sokoban and Kula World .
Kroz	1987		Maze	GPL	GPL	Game source released on March 20, 2009.
KDEGames	—	2009	Various*	GPLv2	GPLv2	*Collection of games provided with the official release of KDE .

Lincity	1999	2004	Business Sim	GPL	GPL	
LinCity-NG	2005	2009	Business Sim	GPL	GPL	Lincityfork .
Linley's Dungeon Crawl	1997	2010	Roguelike	LGPL	LGPL	The current version of Dungeon Crawl, Linley's Dungeon Crawl , is one of the most popular roguelikes being played today.
Liquid War	1995	2008	Maze games	GPL	GPL	
Luqaru	2005	2010	Action-adventure game	GPLv2	Proprietary	Open sourced with Humble Indie Bundle .
MechCommander 2	2001	2006	RTS	Other ^{[13][14]}		
MegaMek	2005	2009	TBS	GPL	GPL	Simulates the Classic BattleTech board game.
Micropolis	?	2008	Business Sim	GPLv3	GPLv3	
Microwar	2000	2009	Arcade	BSD	BSD	A 'Space Invaders' style arcade game, in the cruel world of micro-computer industry.
Moria	1983	1999	RPG/Roguelike	Other ^[15]		

NetHack	1987	2003	RPG/Roguelike	Other		
Netrek	1988	2009	Shoot 'em up	Other		
Neverball	2005(?)	2009	Platformer	GPL	GPL	Also includes additional game Neverputt.
Nexuiz	2005	2009	FPS	GPL	GPL	Forked into Xonotic following a commercial licensing agreement by a minority of the development team.
No One Lives Forever 2: A Spy in H.A.R.M.'s Way	2002	2003	FPS, stealth	other	Proprietary	uses Lithtech Jupiter engine
Oolite	2006	2006	Space Sim	GPLv2	GPLv2	Elite Clone
OpenArena	2005	2010	FPS	GPLv2	GPLv2	Quake III Clone
OpenCity	2003	2008	Business Sim	GPL	GPL	
OpenTTD	2005	2010	Business Sim	GPLv2	GPLv2	An open-source 'Transport Tycoon Deluxe' clone
OpenTyrian	2007	2009	Scrolling shooter	GPLv2		The OpenTyrian team ported the closed-source Pascal code of Tyrian to C with permission of Jason Emery.

Penumbra: Overture	2007	2009	Survival horror with FPS aspects	GPL	Proprietary	Developed by Swedish ^[16] developer Frictional Games , the game blends the genres of survival horror, first-person shooter, and adventure. Open sourced with Humble Indie Bundle .
Pingus	1998	2007	Puzzle	GPL	GPL	Inspired by Lemmings .
Planeshift	2001	2010	MMORPG	GPL	Proprietary	Free to play MMORPG
PokerTH	2006	2009	Card	GPL	GPL	
Project: Starfighter	2001	2008	Shoot 'em up	GPL	Proprietary	
Pushover	1992	2008	Puzzle	GPLv3	GPLv3	
Quake	1996		FPS	GPL	Proprietary	Game source released on 1999.
Quake II	1997		FPS	GPL	Proprietary	Game source released on December 21, 2001.
Quake III Arena	1999		FPS	GPL	Proprietary	Game source released on August 19, 2005.
Rise of the Triad	1995	1995	FPS	GPL	Proprietary	Game source released on December 20, 2002.
Rigs of Rods	2007	2009	Vehicle Sim	GPLv3	GPLv3	

Rocks'n'Diamonds			Puzzle	GPLv2	GPLv2	
Ryzom	2004	2010	MMORPG	AGPL	CC-BY-SA	All textures and effects, 3D models, animations, characters and clothing (no music or sounds) are under CC-BY-SA.
Scorched 3D	2001	2009	TBS	GPL	GPL	
Secret Maryo Chronicles	2003	2009	Platformer	GPLv3	GPLv3	
Seven Kingdoms	1996	2009	RTS	GPL	GPL	Source code released in November, 2008.
Shadow Warrior	1997		FPS	GPL	Proprietary	Game source released on April 1, 2005.
Shogo: Mobile Armor Division	1998	1999	FPS	other	Proprietary	uses Lithtech 1.0 engine
Simutrans Transport Simulator	1997	2010	Business sim	Artistic		Similar to Transport Tycoon and its open source clone, OpenTTD . The player must build a profitable transportation system.
Smash Battle	2008	2009	Platformer	GPLv3	CC	Retro 8-bit style platform shooter
Smokin' Guns	2009	2010	FPS	GPLv2	CC-BY-SA	Western-themed first-person shooter using

						the ioquake3 engine.
Solarwolf			Arcade	LGPL	LGPL	Similar to Pacman . A 2-D action game where the player must collect the blocks on every level while avoiding various obstacles.
Sopwith	1984		Shoot 'em up	GPL	GPL	
Spring	2005(?)	2010	RTS	GPL	GPL	Spring is a 3D engine for many RTS games.
Return to Castle Wolfenstein	2003(?)		First person shooter	GPL	GPL	
StepMania	2005(?)		Rhythm game	MIT		A DDR clone, the player must hit buttons or keys in time with the music.
Supernova	1987		Text adventure	GPL	GPL	Game source released on March 20, 2009.
SuperTux	2003	2007	Platformer	GPL	GPL	2D platformer inspired by the Super Mario series.
SuperTuxKart	2006	2009	Racing	GPL	GPL	Arcade racing game similar to Mario Kart .
Teeworlds	2007	2009	Platformer	zlib	zlib	2D side-scrollingshooter .

Tenés Empanadas Graciela	1996		TBS	GPLv2	GPLv2	
<i>The Mana World</i>	?	2010	MMORPG	Other	GPL	themanaworld.org
The Operative: No One Lives Forever	2001	2001	FPS, stealth	other	Proprietary	uses Lithtech 2.0 engine
Thousand Parsec	2002	2009	TBS	GPL, LGPL		Framework for turn based space empire building games.
Tile World	2002	2006	Puzzle	GPL	GPL	Clone of Chip's Challenge
TORCS			Racing	GPL		
Torus Trooper	2004	2004	Scroller	BSD	BSD	
Tremulous	2006		FPS	GPL	CC-BY-SA^[17]	Alien VS human base building, defending, and attacking opposite team.
Tux, of Math Command	2001	2010	Educational game	GPL	GPL	
Tux Racer	2000	2009	Racing	GPL	GPL	
UFO: Alien Invasion	2006	2010	TBS	GPL	GPL	Inspired by the old XCOM-Series, but with 3D-combats on surface of earth

UltraStar Deluxe	2007	2009	Music game	GPL	GPL, CC	SingStar clone.
Unknown Horizons	2008	2009	city-building game	GPL	GPL, CC, OFL	Genre-mix of city-building game and real-time strategy game inspired by the <i>Anno</i> series.
Urban Terror	2000	2007	FPS	GPL	Proprietary	Multiplayer tactical shooter based on the id tech 3 engine.
Ur-Quan Masters, The	2002	2007	sci-fiAction RPG	GPL		Open Source port of Star Control II based on the GPL-released 3DO source code.
Vdrift			Racing	GPL		
Vega Strike	2008	2008	Space Sim	GPL	GPL	Elite clone.
Warsow	2005	2009	FPS	GPL	Proprietary	
Warzone 2100	1999	2010	RTS	GPLv2	GPLv2, CC	3D real-time strategy game with a unit design system
Widelands	2002	2009	RTS	GPL	GPL	Widelands is a RTS similar to The Settlers II.
Wolfenstein 3D	1992		FPS	Other	Proprietary	Game source released on July 21, 1995.

Word Whiz	1988		Educational game	GPL	GPL	Game source released on March 20, 2009.
World of Padman	2007	2008	FPS	GPL	Proprietary	Originally a Quake 3 modification. Became stand-alone in 2007, now runs on ioquake3.
WorldForge	1998	2009	MMORPG	GPL	GPL	An open source framework for massively multiplayer online role-playing games .
Wormux	2002	2010	TBS	GPL	GPL	Worms clone.
Xbattle	1991	1996	RTS	Other ^[18]		
Xcong	1987	2005	TBS	GPL	GPL	4X strategy game engine .
XEvil	1994	2003	Platformer	GPL		Fast paced side-scrolling action game.
Xonotic			FPS	GPL	GPL	A fork of the Game Nexuiz
XPilot	1992		Arcade	GPL	GPL	A multiplayer Asteroids -like game.
X-Moto	2005	2010	Platformer	GPL	GPL	
Yo Frankie!	2008		Action-Adv.	GPL/LGPL	Creative Commons	

GENEALOGY

Main category: [Free genealogy software](#)

GRAPHICAL USER INTERFACE

FREE DESKTOP ENVIRONMENTS (4 C, 18 P)

A	L	S CONT.
<u>AMBIENT (DESKTOP ENVIRONMENT)</u>	<u>LCARS 24</u>	<u>SUGAR (DESKTOP ENVIRONMENT)</u>
E	M	T
<u>EDE</u>	<u>MEZZO (DESKTOP ENVIRONMENT)</u>	<u>TANGO DESKTOP PROJECT</u>
<u>ENLIGHTENMENT (WINDOW MANAGER)</u>	P	U
<u>ÉTOILÉ</u>	<u>PROJECT LOOKING GLASS</u>	<u>UDE</u>
F	R	X
<u>FVWM-CRYSTAL</u>	<u>ROX DESKTOP</u>	<u>XFAST</u>
G	S	<u>XFCE</u>
<u>GNUSTEP</u>	<u>SAKURA HYPERMEDIA DESKTOP</u>	<u>XITO</u>
	<u>SCALOS</u>	

FREE X WINDOW MANAGERS (38 P)

9	F CONT.	P CONT.
<u>9WM</u>	<u>FVWM95</u>	<u>PWM (WINDOW MANAGER)</u>
A	H	R
<u>AFTERSTEP</u>	<u>HACKEDBOX</u>	<u>RATPOISON</u>

[AWESOME \(WINDOW
MANAGER\)](#)

B

[BERYL \(WINDOW MANAGER\)](#)

[BLACKBOX](#)

C

[CTWM](#)

[CLFSWM](#)

[COMPIZ](#)

D

[DWM](#)

E

[ENLIGHTENMENT \(WINDOW
MANAGER\)](#)

F

[FLUXBOX](#)

[FLWM](#)

[FVWM](#)

[X WINDOW SYSTEM](#) (9 C, 58 P)

[HAZE](#)

I

[ICEWM](#)

J

[JWM](#)

K

[KWIN](#)

L

[LARSWM](#)

[LIGHTWEIGHT WINDOW MANAGER](#)

M

[MACINTOSH-LIKE VIRTUAL
WINDOW MANAGER](#)

[MATCHBOX \(WINDOW MANAGER\)](#)

[METACITY](#)

O

[OPENBOX](#)

P

[PLWM](#)

S

[SAWFISH \(WINDOW
MANAGER\)](#)

[SCWM](#)

[SWM](#)

T

[TVTWM](#)

[TWM](#)

V

[VTWM](#)

W

[WINDOW MAKER](#)

[WINDOWLAB](#)

[WM2](#)

[WMII](#)

X

[XMONAD](#)

*

M CONT.

X CONT.

[X WINDOW SYSTEM](#)

[X WINDOW SYSTEM PROTOCOLS AND ARCHITECTURE](#)

[X WINDOW SYSTEM CORE PROTOCOL](#)

A

[PROJECT ATHENA](#)

C

[COMMON OPEN SOFTWARE ENVIRONMENT](#)

D

[DIRECT SAVE PROTOCOL](#)

E

[EXTENDED WINDOW MANAGER HINTS](#)

F

[FGLRX](#)

[FIXED \(TYPEFACE\)](#)

[FREEDESKTOP.ORG](#)

G

[GNOME](#)

[GNUSTEP](#)

[GPE](#)

H

[MULTISEAT CONFIGURATION](#)

O

[OPEN LOOK](#)

[THE OPEN GROUP](#)

[OPEN SOFTWARE FOUNDATION](#)

P

[PORTLAND PROJECT](#)

[PSEUDO-TRANSPARENCY](#)

Q

[QGTKSTYLE](#)

R

[ROOT WINDOW](#)

T

[TRANSIENT \(COMPUTER PROGRAMMING\)](#)

W

[WMCTRL](#)

X

[X BITMAP](#)

[X FONT SERVER](#)

[X PIXMAP](#)

[X WINDOW MANAGER](#)

[X.ORG FOUNDATION](#)

[X.DESKTOP](#)

[X11 COLOR NAMES](#)

[XEMBED](#)

[XFREE86 MODELINE](#)

[XWIN](#)

[XAW](#)

[XDMX](#)

[XFCE](#)

[XIMAGE](#)

[XINERAMA](#)

[XINIT](#)

[XLOAD](#)

[XNEE](#)

[XORG.CONF](#)

[XPRINT](#)

[XRDB](#)

[HAZE](#)

[X WINDOW AUTHORIZATION](#)

I

[X WINDOW SELECTION](#)

[INTER-CLIENT COMMUNICATION
CONVENTIONS MANUAL](#)

[X DISPLAY MANAGER
\(PROGRAM TYPE\)](#)

L

[X LOGICAL FONT DESCRIPTION](#)

[LINUX TERMINAL SERVER PROJECT](#)

[X RESOURCES](#)

[LOW BANDWIDTH X](#)

[X SESSION MANAGER](#)

M

[X TERMINAL](#)

[MASLOWWM](#)

[MICROWINDOWS](#)

[MIT LICENSE](#)

"FREE WINDOWING SYSTEMS"

E

S

X CONT.

[EGL \(OPENGL\)](#)

[SEAL GUI](#)

[XAAES](#)

F

T

[XFREE86](#)

[FREEGEM](#)

[TWIN \(WINDOWING SYSTEM\)](#)

[XYNTH](#)

[FRESCO \(WINDOWING SYSTEM\)](#)

V

Y

M

[VIRTUALGL](#)

[Y WINDOW SYSTEM](#)

[METISSE](#)

W

R

[WAYLAND \(DISPLAY SERVER\)](#)

[RIO \(WINDOWING SYSTEM\)](#)

X

X WINDOW SYSTEM

GROUPWARE

Content management systems

Wiki software

HEALTHCARE SOFTWARE

MEDIA

Multimedia codecs / containers / splitters

A	L CONT.	Q
<ul style="list-style-type: none">• AC3Filter• Audio Video Standard	<ul style="list-style-type: none">• Libsndfile• List of open source codecs	<ul style="list-style-type: none">• QuickTime Alternative
C	M	S
<ul style="list-style-type: none">• CELT	<ul style="list-style-type: none">• MPEG Audio Decoder• Matroska• Mp3splt• Musepack	<ul style="list-style-type: none">• Speex
D	N	T
<ul style="list-style-type: none">• Demultiplexer (media file)• Dirac (video compression format)	<ul style="list-style-type: none">• NDs-mPeG	<ul style="list-style-type: none">• TTA (codec)• Theora• TooLAME
F	O	V
<ul style="list-style-type: none">• Ffdshow• FFmpeg• FFV1• Free Lossless Audio Codec	<ul style="list-style-type: none">• OMS Video• Ogg• Ogg Squish• OpenAVS	<ul style="list-style-type: none">• VP8• Vorbis
L		W
<ul style="list-style-type: none">• LAME• Libavcodec		<ul style="list-style-type: none">• WavPack• WebM
		X
		<ul style="list-style-type: none">• X264• Xvid

Audio editors / audio management

AUDIO ANALYSIS

See also: [Spectrum analyzer](#)

Name	Creator	Linux?	Mac OS X?	Unix?	Windows?	Note	Licence
Praat	Paul Boersma and David Weenink of the University of Amsterdam	Yes	Yes		Yes	A program for the analysis of speech in phonetics.	GPL
CLAM	Universitat Pompeu Fabra (site)	Yes	Yes		Yes	Framework for research and application development. Spectral modelling synthesis	GPL
WaveSurfer		Yes	Yes		Yes		Permissive free software
BRP-PACU	(site)	Yes	Yes			Dual channel FFT tool for equalization of sound systems using the transfer function.	GPL
Japa (spectrum analyzer)	(site)	Yes				for equalization of sound systems and other similar uses	

<u>Sonic Visualiser</u>	Centre for Digital Music at <u>Queen Mary, University of London</u> (<u>site</u>)	Yes	Yes		Yes	<u>GPL</u>
<u>Tartini</u>	<u>University of Otago</u> (<u>site</u>)	Yes	Yes		Yes	<u>GPL</u>
<u>SPEAR</u>	Michael Klingbeil	No	Yes	No	Yes	Spectral analysis and editing

CONVERTERS

See also: [List of audio conversion software](#)

Name	Creator	<u>Linux?</u>	<u>Mac OS X?</u>	<u>Unix?</u>	<u>Windows?</u>	Note	License
<u>Max</u>	Stephen Booth	No	Yes	No	No	Not to be confused with Max/MSP	<u>GPL</u>
<u>FFmpeg</u>						Audio & video.	<u>GPL</u>
<u>Free M4a to MP3 Converter</u>	ManiacTools	No	No	No	Yes	Audio.	<u>GPL</u>
<u>MPlayer</u>		Yes	Yes	Yes	Yes	Audio & video.	<u>GPL</u>
<u>WinLAME</u>	Michael Fink	No	No	No	Yes	Easy interface.	<u>GNU</u>
<u>BonkEnc</u>	Robert Kausch	No	No	No	Yes		<u>GPL</u>

MODULAR SYSTEMS

Name	Creator	<u>Linux?</u>	<u>Mac OS X?</u>	<u>Unix?</u>	<u>Windows?</u>	Note	License
------	---------	-------------------------------	----------------------------------	------------------------------	---------------------------------	------	---------

iMax		Yes				no longer supported	LGPL
SynFactory		No	No	No	Yes		GPL
VisualAp		Yes	Yes		Yes		GPL
aRts		Yes	Yes	Yes	Yes		GPL
FxEngine Framework	SMPProcess	Yes			Yes		LGPL

PLATFORMS

Various projects have formed to integrate the existing free software audio packages.

Name	Creator	Description	Note	License
Ubuntu Studio		Linux distribution		various
dyne:bolic		Linux distribution		various
AGNULA		Linux distribution		
Musix		Linux distribution		various
64 Studio		Linux distribution		
Planet CCRMA		set of packages (in RPM format)		
Jacklab Audio Distribution		Linux distribution		

PROGRAMMING LANGUAGES

Many [computer music programming languages](#) are implemented in free software. See also the [comparison of audio synthesis environments](#).

Name	Creator	Linux?	Mac OS X?	Unix?	Windows?	Note	License
Csound	Csound community, Barry Vercoe	Yes	Yes	No?	Yes		LGPL
SuperCollider	SuperCollider community, James McCartney	Yes	Yes	Yes?	Yes		GPL
Chuck							GPL
Nyquist	Computer Music Project at Carnegie Mellon University, Roger B. Dannenberg	Yes	Yes	Yes	Yes		
Pure Data	Pd Community, Miller Puckette	Yes	Yes	Yes	Yes		BSD-like ^[1]
Usine	Olivier Sens	No	No	No	Yes		

RADIO BROADCASTING

Name	Creator	Linux?	Mac OS X?	Unix?	Windows?	Note
ARAS		Yes	No		No	
SomaPlayer		Yes	No		Yes	radio broadcasting scheduler automation
Camcaster		Yes	No		No	

RECORDING AND EDITING

The following packages are [digital audio editors](#).

Name	Creator	Linux?	Mac OS X?	Unix?	Windows?	Note
Ardour	Paul Davis	Yes	Yes	Yes	No	multi-track audio recorder
Audacity	Dominic Mazzoni	Yes	Yes	Yes	Yes	multi-track audio recorder
Audiobook Cutter Free Edition		No	No	No	Yes	MP3 audiobook splitter
Ecasound		Yes	Yes		No	audio recorder
Jokosher	Jokosher community	Yes	No		Yes	multi-track audio editor
LMMS	Tobias Doerffel	Yes	Yes as of 0.4.0 with Qt4		Yes as of 0.4.0 with Qt4	Intended as a replacement for Cubase -like software (DAW)
Mp3splt		Yes	Yes		Yes	splits MP3 and Vorbis files without decoding
MusE		Yes	No		No	MIDI sequencer
Qtractor		Yes	No		No	A non-destructive multi-track audio and MIDI Workstation (DAW)
ReZound	Davy Durham	Yes	No	No	No	Graphical audio file editor
RiffWorks T4	Sonoma Wire	No	Yes	No	Yes	multi-track audio

	Works					recorder
Rosegarden		Yes	No		No	MIDI sequencer and multi-track recorder
SoX		Yes	Yes	Yes	Yes	command-line multi-track audio editor/processor
Sweep	Conrad Parker	Yes	No	Yes	No	
Traverso	RemonSijrier	Yes	Yes		Yes	multi-track audio recorder and editor
Wave Editor	Abyssmedia	No	No	No	Yes	Free Audio editor
WaveSurfer	Centre for Speech Technology at KTH	Yes	Yes	Yes	Yes	
Wavosaur	Wavosaur Team	No	No	No	Yes	Audio editor with VST effects support

SOFTSYNTHS

Name	Creator	Linux?	Mac OS X?	Unix?	Windows?	Note
FluidSynth		Yes	Yes	Yes	Yes	SoundFont player / renderer
ZynAddSubFX		Yes	Yes		Yes	Mac OS X version is limited

STREAMING

These programs are for use with [streaming audio](#).

Name	Creator	Linux?	Mac OS X?	Unix?	Windows?	Note
Icecast		Yes		Yes	Yes	a broadcast server, serves audio signals to clients over the HTTP protocol
PeerCast		Yes	Yes		Yes	a peercasting tool
Firefly Media Server		Yes	Yes		Yes	streams music to DAAP clients like iTunes and Rhythmbox
VideoLAN		Yes	Yes	Yes	Yes	media and server programs for video and audio streaming

TECHNOLOGIES

Name	Creator	Linux?	Mac OS X?	Unix?	Windows?	Note
Advanced Linux Sound Architecture (ALSA)		Yes				a sound card management system in the Linux kernel
DSSI		Yes				a plugin architecture for software synthesizers
GStreamer		Yes	Yes	Yes	Yes	a graph-based multimedia framework
JACK Audio Connection Kit (JACK)	JACK Team, Paul	Yes	Yes (JACK)		Yes (jackdmp)	a sound server

	Davis		OS X)			
Linux Audio Developers Simple Plugin API (LADSPA)		Yes				a plugin architecture for digital signal processing
Open Sound System		Yes		Yes		a standard interface for making and capturing sound in Unixoperating systems
PulseAudio		Yes		Yes(Solaris, FreeBSD, NetBSD)	Yes	a sound server

TRACKERS

Name	Creator	Linux?	Mac OS X?	Unix?	Windows?	Note
Buzztard		Yes	Unknown	Yes	Unknown	Buzz clone
CheeseTracker		Yes	Yes		No	Impulse Tracker clone
MilkyTracker		Yes	Yes	Yes	Yes	Also runs on various other platforms including but not limited to Windows Mobile , PlayStation and AmigaOS 4 .
ModPlug Tracker		No	No	No	Yes	released as free software in 2004
Psycle		No	No	No	Yes	a tracker combined with modular capabilities

SoundTracker		Yes	Yes	Yes	No	Fast Tracker clone
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OTHER

Name	Creator	Linux?	Mac OS X?	Unix?	Windows?	Note
abc notation						
Gnural		Yes	Yes	Yes	Yes	Binaural beat and pink noise generator
Hydrogen		Yes	Yes	Partial	Partial	an advanced drum machine
orDrumbox		Yes	Yes	Yes	Yes	a Java based drum machine
libsndfile		Yes	Yes	Yes	Yes	library for reading and writing many sound formats

Graphics

2

- [2Geom](#)

A

- [Alchemy \(software\)](#)
- [Apophysis \(software\)](#)
- [User:ArTorP/MyPaint](#)
- [Asymptote \(vector graphics language\)](#)
- [AutoREALM](#)

G CONT.

- [GIMP](#)
- [GPhoto](#)
- [Graphics Layout Engine](#)
- [GraphicsMagick](#)
- [Gwyddion \(image data analysis program\)](#)

H

- [Hugin \(software\)](#)

N CONT.

- [NodeBox](#)

O

- [OpenEXR](#)
- [OptiPNG](#)
- [OsiriX](#)

P

	<ul style="list-style-type: none"> • Ayam (software) 	I		
B		<ul style="list-style-type: none"> • ImageMagick • Inkscape • Interactive Digital Photomontage 		<ul style="list-style-type: none"> • Panorama Tools • Phatch • BlueMarine • Pinta (software) • Pngcrush
C		K		S
	<ul style="list-style-type: none"> • CellProfiler • CombineZM • Create Project 	<ul style="list-style-type: none"> • KChart 		<ul style="list-style-type: none"> • Seashore (software) • Skencil • Sunflow
D		L		T
	<ul style="list-style-type: none"> • DrQueue 	<ul style="list-style-type: none"> • LittleCMS • Lphoto 		<ul style="list-style-type: none"> • Toxiclibs
E		M		U
	<ul style="list-style-type: none"> • EGL (OpenGL) • Enlightenment Foundation Libraries 	<ul style="list-style-type: none"> • ManyCam • MeshLab • MicroDicom • Mongo (graphics program) 		<ul style="list-style-type: none"> • Utah GLX
F		N		W
	<ul style="list-style-type: none"> • FITS Liberator • Fusionviewer 	<ul style="list-style-type: none"> • Netpbm 		<ul style="list-style-type: none"> • Wayland (display server)
G				X
	<ul style="list-style-type: none"> • GOCR 			<ul style="list-style-type: none"> • X Image Extension • X Window System

3D Graphic Software

3		J		Q
	<ul style="list-style-type: none"> • 3DSlicer • 3D Rad 	<ul style="list-style-type: none"> • JMonkey Engine • JrMan 		<ul style="list-style-type: none"> • Quake Army Knife • QuteMol
A		K		S
	<ul style="list-style-type: none"> • Aqsis • Ardor3D • Art of Illusion 	<ul style="list-style-type: none"> • K-3D 		<ul style="list-style-type: none"> • Seamless3d • Soya3D
		L		

- | | | | |
|---|--|---|--|
| | <ul style="list-style-type: none"> • AutoQ3D Community • Avimator • Ayam (software) | <ul style="list-style-type: none"> • LuxRender • Luxinia | <ul style="list-style-type: none"> • Sunflow |
| B | | | T |
| | <ul style="list-style-type: none"> • Blender (software) • Breve (software) | <ul style="list-style-type: none"> • MakeHuman • MeshLab • Misfit Model 3d | <ul style="list-style-type: none"> • TopMod • Toxiclibs |
| F | | | U |
| | <ul style="list-style-type: none"> • Freestyle (software) | | <ul style="list-style-type: none"> • Ultimate 3D |
| G | | | V |
| | <ul style="list-style-type: none"> • Geist3D • Gnuplot • GtkRadiant | <ul style="list-style-type: none"> • O3D • OGRE • OpenVRML • OpenFX | <ul style="list-style-type: none"> • VSXu • Visualization Library • Voreen • VTK |
| I | | P | W |
| | <ul style="list-style-type: none"> • ILNumerics.Net • Irrlicht Engine | <ul style="list-style-type: none"> • Panda3D • Picogen • Pixie (renderer) • Python-Ogre | <ul style="list-style-type: none"> • WilmaScope • Wings 3D |
| | | | Y |
| | | | <ul style="list-style-type: none"> • YafaRay |
| | | | Z |
| | | | <ul style="list-style-type: none"> • Zmodeler |

Free 2D Graphics Software

- | | | | |
|---|---|--|--|
| F | | K | Q |
| | <ul style="list-style-type: none"> • Flash for Linux • Flash SWF editor | <ul style="list-style-type: none"> • KToon | <ul style="list-style-type: none"> • Qflash |
| G | | L | S |
| | <ul style="list-style-type: none"> • Gnash | <ul style="list-style-type: none"> • LiveSwif | <ul style="list-style-type: none"> • Synfig |
| | | P | |

- [Pencil \(software\)](#)

Free computer-aided design software

A	C CONT.	O CONT.
<ul style="list-style-type: none"> • AFGROW • Archimedes (CAD) • Art of Illusion • AutoQ3D Community • AutoREALM • Ayam (software) 	<ul style="list-style-type: none"> • Comparison of CAD editors for architecture, engineering and construction (AEC) 	<ul style="list-style-type: none"> • Open CASCADE • OpenSCAD
	E	P
	<ul style="list-style-type: none"> • Electric (software) • Elmer FEM solver 	<ul style="list-style-type: none"> • PowerEsim
B	F	Q
<ul style="list-style-type: none"> • Blender (software) • BRL-CAD 	<ul style="list-style-type: none"> • FreeCAD (Aik-SiongKoh) • FreeCAD (JuergenRiegel) 	<ul style="list-style-type: none"> • QCAD
		S
C	I	<ul style="list-style-type: none"> • SALOME • Sunflow
<ul style="list-style-type: none"> • Calculix • Code Aster 	<ul style="list-style-type: none"> • Impact Finite Element Program 	
	M	T
	<ul style="list-style-type: none"> • Magic (software) • MeshLab • Misfit Model 3d 	<ul style="list-style-type: none"> • Toxiclibs
		W
	O	<ul style="list-style-type: none"> • Wings 3D
	<ul style="list-style-type: none"> • OOFEM 	X
		<ul style="list-style-type: none"> • XFOIL
		Z
		<ul style="list-style-type: none"> • Z88 FEM software

Free vector graphics editors

A

- [Alchemy \(software\)](#)

B

- [Batik \(software\)](#)

D

- [Dia \(software\)](#)

F

- [FontForge](#)

I

- [Inkscape](#)
- [Ipe \(program\)](#)

J

- [JPicEdt](#)

K

- [Karbon14](#)

O

- [OpenOffice.org Draw](#)

S

- [SK1 \(program\)](#)
- [SVG-edit](#)
- [Skencil](#)

S CONT.

- [Sodipodi](#)
- [Synfig](#)

T

- [Tgif \(program\)](#)

V

- [VRR \(program\)](#)

X

- [Xara Xtreme](#)
- [Xfig](#)

Image galleries

Image viewers

- [Eye of GNOME](#)
- [F-spot](#)
- [Gqview](#)
- [Gthumb](#)
- [imgSeek](#)
- [Kphotoalbum](#)

Radio

- [Dream DRM Receiver](#)

Television

2D animation

- [KToon](#)
- [Synfig](#)
- [Pencil](#)
- [NodeBox](#)

3D animation

- [Blender](#)
- [Art of Illusion](#)
- [Geist3D](#)
- [K-3D](#)
- [OpenFX](#)
- [Seamless3d](#)

Flash animation

- [Pencil Animation](#) (for animations)
- [SWFTools](#) (for scripting)

Video editing

- [Avidemux](#)
- [AviSynth](#)
- [Blender](#)
- [Cinelerra](#)
- [DScaler](#)
- [DVD Flick](#)
- [DVDx](#)
- [GNU VCDImager](#)
- [Jahshaka](#)
- [Kaltura](#)
- [Kino](#)
- [Kdenlive](#)
- [LiVES](#)
- [OpenShot Video Editor](#)
- [PiTiVi](#)
- [VirtualDub](#)
- [VirtualDubMod](#)

Video players

CD-writing software

Other Media packages

- [Gnome Subtitles](#)
- [Celtx](#) - Media Pre-production Software

OPERATING SYSTEMS

Be advised that available distributions of these systems can contain, or offer to build and install, added software that is neither free software nor open source.

PASSWORD MANAGEMENT

- [KeePass](#)
- [Password Safe](#)

PERSONAL INFORMATION MANAGERS

- [Chandler](#) — In development by [Mitch Kapor](#) and the [OSAF](#).
- [KAddressBook](#)
- [KonsoleKalendar](#)
- [Kontakt](#)
- [KOrganizer](#)
- [Mozilla Calendar](#) — A [Mozilla](#)-based, multiplatform calendar program.
- [Novell Evolution](#)
- [OpenSync \(software\)](#)
- [RachotaTimetracker](#) — portable timetracking for projects. Open source. Windows, Linux, Solaris and Mac.

PROGRAMMING LANGUAGE SUPPORT

- [ABCL](#) — an implementation of Common Lisp for the JVM
- [ArgoUML](#) — ArgoUML is a modelling tool that helps you design using UML diagrams
- [CLISP](#) — a [Common Lisp](#) interpreter and bytecode-compiler
- [Clojure](#) — a Lisp (not Scheme nor Common Lisp) targeting the JVM
- [DJGPP](#) — a 32-bit DOS port of GCC and other [GNU](#) utilities
- [Dragonfly](#) — newLISP based web development framework
- [Eiffel](#)
- [ECL](#) — an Common Lisp implementation designed for integration with C
- [Erlang](#) - a general-purpose concurrent programming language and runtime system
- [Experix](#) — command line and stack system for data acquisition and analysis and graphics
- [Forth](#)
- [Free Pascal](#) A [Pascal](#) compiler and cornerstone of the [Lazarus](#) RAD
- [FreeBASIC](#) A [BASIC](#) compiler
- [GCC](#) — a set of compilers for multiple [programming languages](#) and platforms, including
 - [C](#)
 - [C++](#)
 - [Objective-C](#)
 - [Ada](#)
 - [Java](#)
 - [Pascal](#)
 - [Fortran](#)
- [GT.M](#) is an open source [MUMPS](#) (a.k.a. M) compiler for Linux
- [Harbour](#) — compiler for the xBase superset language often referred to as Clipper
- [Jikes](#) — Java compiler
- [LLVM](#) — Optimizing compiler toolkit
 - [Clang](#) — NSCA licensed LLVM compiler frontend for C/C++ and Objective-C
- [Logo](#) — Derivative of Lisp without parenthesis, for kids, with Turtle Graphics
- [Lua](#) - a lightweight, reflective, imperative and procedural language, designed as a scripting language with extensible semantics as a primary goal.
- [MinGW](#) — Windows port of +GCC
- [Mono development platform](#) — Multi-platform .NET implementation (C#) based on the ECMA/ISO standards
- [MMIXware](#) — simulator for MMIXAL language and MMIX processor
- [Objective CAML](#) — a practical and fast functional OO language
- [OpenCOBOL](#) — an open source implementation of the [COBOL](#) programming language
- [OpenJDK](#) — [Sun's Java Development Kit](#) based completely on free and open source code
- [Parser](#) — a language for dynamic website creation
- [Perl](#) — a programming language strong on text processing
- [PHP](#) — a scripting language designed for web site applications
- [PCC](#) — a BSD licensed C compiler
- [Prolog](#) — Logic programming

- [Python](#) — a high-level scripting language
- [Refal](#) - a functional programming language
- [Rexx](#) - an interpreted programming language
- [Rhino](#) — a JVM-based JavaScript engine
- [Ruby](#) — a high-level scripting language
- [Ruby on Rails](#) — Ruby-based web development framework
- [SBCL](#) — a high-performance Common Lisp implementation
- [Spidermonkey](#) — C/C++ JavaScript engine of the Mozilla project
- [StarUML](#) — a software modeling tool
- [Tcl/Tk](#) — a high-level scripting language with a graphical toolkit
- [Wavemaker](#) - a visual, drag and drop web development platform based on Java and Spring/Hibernate

Bug Trackers

- [Bugzilla](#)
- [Mantis](#)
- [Mindquarry](#)
- [Trac](#)
- [SharpForge](#)
- [Redmine](#)

Code generators

- [Bison](#)
- [CodeSynthesis XSD](#) — [XML Data Binding](#) compiler for [C++](#)
- [CodeSynthesis XSD/e](#) — Validating XML parser/serializer and [C++XML Data Binding](#) generator for mobile and embedded systems
- [xmlbeansxx](#) — [XML Data Binding](#) code generator for [C++](#)
- [Flex lexical analyser](#)
- [Kodos](#)
- [phpCodeGenie](#)
- [^txt2regex\\$](#)
- [SableCC](#) — parser generator for Java and .Net
- [SWIG](#) — Simplified Wrapper and Interface Generator for several languages

Configuration Software

- [Autoconf](#)
- [Automake](#)

Debuggers (for testing and trouble-shooting)

- [GNU Debugger](#) - "works for many [programming languages](#) [...]"

Integrated development environments

Main category: [Open source integrated development environments](#)

Version control systems

Main category: [Free revision control software](#)

TYPESETTING

Main category: [Free typesetting software](#)

SCREENSAVERS

- [Electric Sheep](#)
- [Flurry](#)
- [XScreenSaver](#)
- [Boinc](#)

Anti-virus

- [ClamAV](#)
- [ClamWin](#)
- [Gateway Anti-Virus](#)

Anti-spyware

- [Winpooch](#)

Encryption

- [GnuPG](#)
- [KGPG](#)
- [Seahorse](#)
- [GnuTLS](#)
- [OpenSSL](#)

Disk encryption

- [CrossCrypt](#)
- [FreeOTFE](#) and [FreeOTFE Explorer](#)

Firewall

- [Iptables](#)
- [Coyote Linux](#)
- [eBox Platform](#)
- [fdgw](#)
- [Firestarter](#)
- [IPFilter](#)
- [ipfw](#)
- [IPCop](#)
- [MOn0wall](#)
- [PeerGuardian](#)
- [PF](#)
- [pfSense](#)
- [Rope](#)
- [SmoothWall](#)
- [Shorewall](#)
- [Untangle](#)

- [Vyatta](#)

Network/Security Monitoring

Main category: [Open source network management software](#)

Secure Shell (ssh)

- [Lsh](#) - server and client (supporting [SRP](#) and [Kerberos](#) authentication)
- [OpenSSH](#) — client/server
- [PuTTY](#) — client only
- [Cyberduck](#) — [Mac OS X](#) client only

Other security programs

Main category: [Free security software](#)

Other

- [Active Agenda](#) — A PHP application for risk management and PHP generator to convert specifications written in XML to a functioning browser application atop a MySQL database.
- [Active Calendar](#) — A PHP class that generates calendars as HTML tables
- [Bochs](#) — PC emulator
- [Bots](#) — EDI software (communication and translation)
- [Cygwin](#) — open source Unix environment for Win32
- [Dolibarr ERP/CRM](#) — Open source [ERP/CRM](#) software
- [Ebase](#) — Open source constituent relationship management developed especially for non-profit organizations
- [Eucalyptus](#) — Open source cloud computing software
- [Gnural](#) — Brainwave entrainment software
- [gtkpod](#) — iPod software
- [Jitterbit Integration Server](#) — Commercial Open Source Data and Application Integration Platform
- [JSystem](#) - Test Automation Framework
- [Memtest86](#) — stress-tests [RAM](#) on [x86](#) machines
- [Open Scene Graph](#)
- [openlp.org](#) — [Worship presentation software](#) for churches to display songs, bibles, movies etc.
- [OpenSCDP](#) - Open Smart Card Development Platform
- [OrangeHRM](#) — Commercial Open Source Human Resource Management
- [Prey](#) — Open Source Anti-Theft System
- [Project.net](#) — Commercial Open Source Project Management
- [QEMU](#) — CPU emulator featuring support for multiple architectures
- [refbase](#)
- [Rockbox](#) — Alternate firmware for many portable media players, such as iPods.
- [Serna Free](#) — Free Open Source WYSIWYG XML editor with cross-platform support.
- [SugarCRM](#) — Commercial Open Source Customer Relationship Management
- [Sun Grid Engine](#) — distributed batch job scheduling system
- [SuperKaramba](#) Desktop widget integration in KDE
- [WINE](#) — Windows executable support on Linux/BSD
- [WinMerge](#) — highlights differences between textual files
- [XUI](#) — Java and XML Rich Internet Application framework
- [Xnee](#), a program that can be used to record and replay test.
- [ReOS](#) a open source web based real estate listing management application.