

SHORT LIST OF FREE/OPEN-SOURCE SOFTWARE AND RELATED SOLUTIONS

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Backup Solutions

AMANDA http://www.amanda.org	Advanced Maryland Automatic Network Disk Archiver
Arkeia http://www.arkeia.com	Enterprise-class network backup for Linux and Unix networks.
Bacula http://www.bacula.org	Multi-platform, client/server based backup. Supports Linux server, Windows, Mac, and Linux clients.
CDTARhive or CDTAR http://cdtar.sourceforge.net	Graphical Backup program for Linux
Crash Recovery Kit for Linux http://crashrecovery.org	A crash recovery kit for Linux
DAR - Disk Archive http://dar.linux.free.fr	Full and differential backup over several disks, compression, and other features

Content Management

Alfresco http://www.alfresco.com	Alfresco is the Open Source Alternative for Enterprise Content Management (ECM), providing Document Management, Collaboration, Records Management, Knowledge Management, Web Content Management and Imaging.
Drupal http://drupal.org http://www.drupaled.org	Drupal is an advanced portal with collaborative book, search engines, URLs, online help, roles, full content search, site watching, threaded comments, version control, blogging, and news aggregator. A special group, "Drupaled," focuses on educational applications.
Joomla! http://www.joomla.org	Joomla is an award-winning content management system (CMS), which enables you to build Web sites and powerful online applications. Many aspects, including its ease-of-use and extensibility, have made Joomla the most popular Web site software available. Best of all, Joomla is an open source solution that is freely available to everyone.
Mamboserver http://mamboserver.com	Mamboserver is a content management system that features inline WYSIWYG content editors, news feeds, syndicated news, banners, mailing users, links manager, statistics, content archiving, date bamodules and components.
Wordpress http://wordpress.org	WordPress is a personal publishing tool with focus on aesthetics. It features a cross-blog tool, password protected posts, importing, typographical aids, multiple authors, and bookmarklets.

Database

MySQL http://www.mysql.com	MySQL is an attractive alternative to higher-cost, more complex database technology.
MySQL Control Center http://www.mysql.com/products/mysqlcc/index.html	Database administration tool for MySQL server.
OpenOffice.org 2.0 http://www.openoffice.org	Provides Access-like database front end for a variety of database servers and files.
PostgreSQL http://www.postgresql.org	PostgreSQL is an enhancement of the POSTGRES database management system, a next-generation DBMS research prototype.

Desktop Publishing

Lyx - Advanced Document Processor http://www.lyx.org	LyX is an advanced open source document processor that encourages an approach to writing based on the structure of your documents, not their appearance. LyX lets you concentrate on writing, leaving details of visual layout to the software.
Scribus - Desktop Publishing Suite http://www.scribus.org.uk	Scribus is an open source DTP application for Linux and other flavors of Unix and Unix-like systems, including Mac OS X and soon Windows.

E-Learning

.LRN http://dotlrn.org	LRN is an enterprise class open source software for supporting learning and research communities in higher education, K-12, and executive education.
Atutor http://www.atutor.ca	ATutor is an open source Web-based learning content management system (LCMS) designed with accessibility and adaptability in mind.
Dokeos http://www.dokeos.com	Dokeos is an open source e-learning and course management web application translated in 34 languages. It is used by more than 1000 organizations worldwide to manage learning and collaboration activities.
Moodle http://www.moodle.org	Moodle is a PHP based course management system - a software package designed to help educators create quality online courses.

Edutainment/Games

<p>Battle for Wesnoth - Real Time Strategy Team Game http://www.wesnoth.org</p>	<p>The Battle for Wesnoth is a free, turn-based strategy game with a fantasy theme. Fight to regain the throne of Wesnoth, of which you are the legitimate heir, or use your dread power over the Undead to dominate the land of mortals, or lead your glorious Orcish tribe to victory against the humans who dared despoil your lands ... Wesnoth has many different sagas waiting to be played out. You can create your own custom units, and write your own scenarios - or even full-blown campaigns.</p>
<p>BZFlag - 3D Team Battle Tank Strategy Game http://bzflag.org</p>	<p>BZFlag is a 3D, multiplayer, tank battle zone, capture the flag game that pits players against each other in a networked environment.</p>
<p>Core Wars - Machine Code Warriors http://www.corewars.org</p>	<p>Core Wars is a programming game wherein players write Warriors that fight it out to the death in a virtual 'ring'. These warriors are written in a special assembly language called Redcode and played in a simulated environment known as MARS</p>
<p>Flightgear - High Quality Open Flight Sim http://www.flightgear.org</p>	<p>The Flight Gear Flight Simulator project is a free, open-source, multi- platform, cooperative flight sim development project. Source code for the entire project is available and licensed under the GPL. The Flight Gear project is working to create a sophisticated flight simulator framework for the development and pursuit of interesting flight simulator ideas.</p>
<p>FreeCiv - Competitive Resource Planning Game http://www.freeciv.org</p>	<p>Freeciv is a multiuser reimplementaion Civilization. Multiuser gameplay is real-time: in each turn, all human players move concurrently. The game is designed to remain fairly playable even on poor network connections. Freeciv can also be played on standalone machines, and its AI players are a good challenge for beginners.</p>
<p>GalaxyHack - Programmable Starship Battles http://galaxyhack.sourceforge.net</p>	<p>GalaxyHack allows you to design a fleet of spaceships which can then be tested in AI script based battles against fleets designed by other players. Though battles take place in real time, the strategy comes beforehand, both in writing short AI scripts in an easy-to-use proprietary scripting language, and also in the set up and selection of your forces.</p>
<p>GCompris - An Educational Software Suite http://gcompris.net/-en-</p>	<p>GCompris is an educational software which propose different activities to kids from 2 to 10. Some activities are game oriented, but always educational. All in all, gcompris proposes more than 60 activities and it continues to evolves. Includes software for computer discovery: keyboard, mouse, different mouse gesture, algebra: table memory, enumeration, double entry table, mirror image, science: the canal lock, the water cycle, the submarine, geography: place the country on the map games: chess, memory, reading: reading practice: learn to tell time, puzzle of famous paintings, vector drawing.</p>
<p>GL-117 - 3D Fighter Simulation http://www.heptargon.de/gl-117/gl-117.html</p>	<p>GL-117 is an action flight simulator for Linux/Unix and MSWindows. Enter the Eagle Squadron and succeed in several challenging missions leading though different landscapes. Five predefined levels of video quality and an amount of viewing ranges let you perfectly adjust the game to the performance of your system. Joystick, mouse, sound effects, music.</p>
<p>Gravit - Gravity Simulator http://gravit.slowchop.com</p>	<p>Gravit is a gravity simulator. It uses Newtonian physics using the Barnes- Hut N-body algorithm. Although the main goal of Gravit is to be as accurate as possible, it also creates beautiful looking gravity patterns. It records the history of each particle so that it can animate and display a path of its travels. At any stage you can rotate your view in 3D and zoom in and out.</p>
<p>LinCity NG - Build and Run Your Own City http://lincity-ng.berlios.de</p>	<p>LinCity-NG is a city simulation game. It is a polished and improved version of the classic LinCity game. In the game, you are required to build and maintain a city. You can win the game either by building a sustainable economy or by evacuating all citizens with spaceships.</p>
<p>Mars Simulation Project - Human Settlement Simulation http://mars-sim.sourceforge.net</p>	<p>The Mars Simulation Project is a free software Java project to create a simulation of future human settlement of Mars. The simulation is a multi-agent artificial society virtual world.</p>
<p>NASA World Wind - Earth Discover Tool http://worldwind.arc.nasa.gov</p>	<p>World Wind lets you zoom from satellite altitude into any place on Earth. Leveraging Landsat satellite imagery and Shuttle Radar Topography Mission data, World Wind lets you experience Earth terrain in visually rich 3D, just as if you were really there. Virtually visit any place in the world. Look across the Andes, into the Grand Canyon, over the Alps, or along the African Sahara.</p>
<p>ORSA - Celestial Mechanics Simulation http://orsa.sourceforge.net</p>	<p>ORSA is an interactive tool for scientific grade Celestial Mechanics computations. Asteroids, comets, artificial satellites, Solar, and extra- Solar planetary systems can be accurately reproduced, simulated, and analyzed.</p>
<p>Pysycache - Application for teaching to move the mouse http://www.icewalkers.com/Linux/Software/524930/pysycache.htm</p>	<p>PySyCache is an educational application for young children (4-6 years old) with a target to teach them to manipulate the mouse to uncover a picture. Pictures (more than 130) are available by theme (ABC's, animals, food, plants, sports, world).</p>

RealTimeBattle - Fun Software Development http://realtimebattle.sourceforge.net	RealTimeBattle is a programming game, in which robots controlled by programs are fighting each other. The goal is to destroy the enemies, using the radar to examine the environment and the cannon to shoot. Robots can be constructed in almost any programming language. Any number of robots can compete simultaneously if allowed by your operating system. A simple messaging language is used for communication, which makes it easy to start constructing robots.
Thunder&Lightning - Futuristic Combat Simulator http://tnlgame.net	Thunder&Lightning is a futuristic action flight simulator game that lets you fly around in your airplane and fight against tanks and other aircraft in a 3D environment.
Tux Typing - A fun typing program http://tuxtype.sourceforge.net	The player guides Tux to eat fish, which are falling from the top of the screen. Each fish has a letter or a word written on it. When the player presses the corresponding key, or types the appropriate word, Tux will position himself to eat the fish. The game is intended for children who are learning to type and spell, but it does have higher difficulty levels that even experienced typists may find challenging.
TuxMath - An educational "Missile Command" style game http://www.newbreedsoftware.com/tuxmath	Tux, of Math Command (TuxMath, for short) is an educational arcade game starring Tux, the Linux mascot! Based on the classic arcade game Missile Command, Tux must defend his cities. In this case, though, he must do it by solving math problems.
TuxPaint - Fun Paint Program for Kids http://www.newbreedsoftware.com/tuxpaint	Tux Paint is a free drawing program designed for young children (kids ages 3 and up). It has a simple, easy- to-use interface, fun sound effects, and an encouraging cartoon mascot who helps guide children as they use the program. It provides a blank canvas and a variety of drawing tools to help your child be creative.
Vega Strike - A 3D Action Space Simulator http://vegastrike.sourceforge.net	Vega Strike is a Linux action space simulator designed to bring 3D space combat to a whole new level of graphics, gameplay, and customizability.
XiStrat - Geometric Recreation http://xistrat.sourceforge.net	XiStrat (aka 'Extended Strategy') is in particular about turn-based, networked multiplayer, non- cooperative, zero-sum, abstract strategy board games (e.g., Chess, Go, Reversi variants, etc.) on 3D- visualized polyhedra and contains a server, client GUI, autoplayer engine, utilities, and documentation. Related recreational modern mathematics (single agent, cellular automata, graph/group/complexity/knot theory, discrete geometry, algebra, combinatorics, and mathematical physics) is also dealt with.
XshipWars - Space Combat & Trading Game http://wolfpack.twu.net/ShipWars/XShipWars	XShipWars is a highly customizable multiplayer space gaming system designed for play over the Internet.

Email and Messaging

Evolution http://www.novell.com/linux/ximian.html	Email and groupware client that supports native connections to MS Exchange & compatible servers
GAIM http://gaim.sourceforge.net	Gaim is a multi-protocol instant messaging (IM) client for Linux, BSD, MacOS X, and Windows. It is compatible with AIM and ICQ, MSN, Yahoo!, IRC, Jabber, Gadu-Gadu, SILC, GroupWise Messenger, and Zephyr networks.
Postfix http://www.postfix.org	Popular open-source mail server. Claim to fame is that it is easier to configure than Sendmail.
Sendmail http://www.sendmail.org	The most well known open-source email server.
Spam Assassin http://spamassassin.apache.org	Sophisticated spam control. Works with many email servers.
Thunderbird http://www.mozilla.org	Popular email client software
Zimbra http://www.zimbra.com	Email and collaboration system. An excellent Exchange/ Groupwise replacement

File and Print Sharing

Common Unix Print System (CUPS) http://www.cups.org	High performance print server. Supports printer farms and web based administration.
Netatalk http://netatalk.sourceforge.net	Macintosh file and print server supporting both Appletalk and AFP protocols
OpenAFS http://openafs.org	AFS is a distributed filesystem product, which offers a client-server architecture for file sharing, providing location independence, scalability and transparent migration capabilities for data.
Samba http://www.samba.org	Microsoft file and print server. Supports PDC/BDC functionality, directory services, etc.

Graphics

Blender 3D - Powerful Design & Rendering System http://blender.org	Blender is a fully integrated 3D graphics creation suite allowing modeling, animation, rendering, post-production, real-time interactive 3D, and game creation and playback with cross-platform compatibility. Blender is a powerful, professional- grade system which has to be seen to be believed.
Dia http://www.gnome.org/projects/dia	Object based diagramming tool
FracPlanet - Make Your Own Planet! http://www.bottlenose.demon.co.uk	Fracplanet is an interactive application to generate and view random fractal planets and terrain with oceans, mountains, icecaps, and rivers, then save them in POV-Ray format. It uses Qt and OpenGL.
GIMP - Photo Manipulation Program http://www.gimp.org	GIMP is a powerful, fully-featured graphics program which can perform all the actions images you could ever want. GIMP is an acronym for GNU Image Manipulation Program. It has many capabilities. It can be used as a simple paint program, an expert quality photo retouching program, an online batch processing system, a mass production image renderer, an image format converter, etc.
Inkscape - Scalable Vector Graphics http://www.inkscape.org	Inkscape is a vector graphics editor, with capabilities similar to Illustrator, Freehand, CorelDraw, or Xara X using the W3C standard Scalable Vector Graphics (SVG) file format. Supported SVG features include shapes, paths, text, markers, clones, alpha blending, transforms, gradients, patterns, and grouping. Inkscape also supports Creative Commons meta-data, node editing, layers, complex path operations, bitmap tracing, text-on-path, flowed text, direct XML editing, and more.
OpenOffice.org Draw - The Ultimate Graphics Bundle http://www.openoffice.org	From a quick sketch to a complex plan, Draw provides you with the tools to communicate with graphics and diagrams.
POV Ray - Ray Tracer Program http://www.povray.org	The Persistence of Vision Ray- Tracer creates three-dimensional, photo-realistic images using a rendering technique called ray- tracing. It reads in a text file containing information describing the objects and lighting in a scene and generates an image of that scene from the view point of a camera also described in the text file.
QCAD - 2D Computer Aided Design and Drafting http://www.ribbonsoft.com/qcad.html	QCad is an application for computer aided drafting in two dimensions. With QCad you can create technical drawings such as plans for buildings, interiors or mechanical parts. QCad works under Linux, Unix Systems, Mac OS X and Windows.
Xara Xtreme - Fast & Versatile Vector Graphics http://xaraxtreme.org	Xara X is the world's fastest and we believe the most versatile graphics software. It's primarily a vector graphics (drawing and illustration) program but is one of the new generation of cross-over products that handles photos and drawings with equal ease. Xara X is also renowned for its slick, easy-to-use and easy-to-learn approach.

Human Languages

Pythonol -- A program to help learn Spanish http://www.phrozenSmoke.com/projects/pythonol/pythonol.php	Pythonol is an all-in-one program that helps English speakers learn Spanish. It features pronunciation, verb conjugation, a dictionary with over 70,000 words, a thesaurus, quizzes, full-text translation, idioms, a verb browser, and a large reference section.
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Mathematics

Kalamaris - Mathematics Framework http://developer.kde.org/~larrosa/kalamaris.html	Kalamaris is the next generation on scientific applications. While similar to Mathematica [®] in some aspects, it offers a new approach to solve mathematical problems in an easy and intuitive way.
KMathsTest - Random Mathematical Equation Generator http://www.corfizz.plus.com/Home42/KMT.tar.gz	KMathsTest is a program who randomly generates maths questions for you to answer. This program randomly generates maths questions for you to answer. It keeps a basic log of your scores and allows you to change the minimum and maximum values for the numbers. Explanations are also provided on how to solve individual linear equations.
Maxima - Computer Algebra System http://maxima.sourceforge.net	Maxima is a system for the manipulation of symbolic and numerical expressions, including differentiation, integration, Taylor series, Laplace transforms, ordinary differential equations, systems of linear equations, and vectors, matrices, and tensors. Maxima produces high precision results by using exact fractions and arbitrarily long floating point representations, and can plot functions and data in two and three dimensions.
Octave - Numerical Computations http://www.octave.org	Octave is a high-level language, primarily intended for numerical computations. It provides a convenient command line interface for solving linear and nonlinear problems numerically, and for performing other numerical experiments. It may also be used as a batch-oriented language.
Shodor - 60+ Maths Applets http://www.shodor.org/interactivate/activities/tools.html	This is a collection of over 60 Java applets for all levels of math, with student activities. These tools are designed such that they can be used as stand-alone applications in analyzing or organizing numbers and data.

XPlot - Gorgeous Maths Plotting Tool http://mathdev.sourceforge.net	XPlot is a Mathematics function plotting program based on OpenGL. It can be used to plot functions in 2 and 3 dimension. Graphs plotted are interactive. Users can change the point of view, zoom in and zoom out, adjust the plot range, and colorize the graph. It should accommodate many of the needs of high school students for graphic data representation.
YACAS - Computer Algebra System http://yacass.sourceforge.net	YACAS is an easy to use, general purpose Computer Algebra System, a program for symbolic manipulation of mathematical expressions. It uses its own programming language designed for symbolic as well as arbitrary-precision numerical computations. The system has a library of scripts that implement many of the symbolic algebra operations; new algorithms can be easily added to the library.

Monitoring Tools

Big Brother http://quest.com/bigbrother	Highly efficient network monitor.
BixData http://www.bixdata.com	BixData is a system monitoring application for Unix, Linux, Mac X, and Windows. Offers both agent based and agentless functionality, virtualization monitoring and management, and advanced reporting. Offers some policy driven actions as well.
Checkservice http://www.linvision.com/checkservice	A service checker for multiple (remote) hosts.
Ethereal http://www.ethereal.com	GUI network protocol analyzer.
Event Monitor Project http://www.jmcresearch.com/projects/eventmonitor	Monitoring tool for heterogeneous networks and systems based on message passing.
MIDAS-NMS http://midas-nms.sourceforge.net	A Network Monitoring and intrusion detection server.
Mrtg http://people.ee.ethz.ch/~oetiker/webtools/mrtg	Multi Router Traffic Grapher.
Nagios http://www.nagios.org	Nagios is an open source host, service and network monitoring program. Ties together many other open-source monitoring projects into a cohesive, manageable, web based interface.
Ntop http://www.ntop.org	ntop is a network traffic tools that shows network usage in a real time. One of the good things about this tool is that you can use a web browser to manage and navigate through ntop traffic information to better understand network status.
OpenNMS http://www.opennms.org	OpenNMS is an award winning, enterprise grade network management platform that consists of a community supported open-source project as well as a commercial services, training and support organization.
Sysmon http://www.sysmon.org	High performance network monitoring tool.
Zabbix http://www.zabbix.com	ZABBIX is software for monitoring of your applications, network and servers. ZABBIX supports both polling and trapping techniques to collect data from monitored hosts.

Multimedia

Audacity - The Free, Cross-Platform Sound Editor http://audacity.sourceforge.net	A fast multi-track audio editor and recorder for Linux, BSD, Mac OS, and Windows. Supports WAV, AIFF, Ogg, and MP3 formats. Features include envelope editing, mixing, built-in effects and plug-ins, all with unlimited undo.
CinePaint - Movie Image Processing http://cinpaint.movieeditor.com	CinePaint is a collection of free open source software tools for deep paint manipulation and image processing. CinePaint is a collaborative project that spans the film industry, universities, and the open source community.
Jahshaka - Realtime Editing and Effects System http://www.jahshaka.org	Edit with flexibility and speed Create Effects in real time. Animate with unlimited features. Paint and design on moving video. Create music with all the tools the pros use. Work in any format at any resolution
Mixxx - Digital DJ System http://mixxx.sourceforge.net	Mixxx is a digital DJ system, where wave, Ogg, and MP3 files can be mixed on a computer for use in live performances. Filters, a crossfader, and speed controls are provided. It is controlled by mouse and/or MIDI events.
MPlayer - Versatile Media Player http://www.mplayerhq.hu	MPlayer is a movie player which runs on many systems. It plays most MPEG/VOB, AVI, Ogg/OGM, VIVO, ASF/WMA/WMV, QT/MOV/MP4, RealMedia, Matroska, NUT, NuppelVideo, FLI, YUV4MPEG, FILM, RoQ, PVA files, supported by many native, XAnim, and Win32 DLL codecs. You can watch VideoCD, SVCD, DVD, 3ivx, DivX 3/4/5 and even WMV movies.
MythTV - Versatile Media Center http://www.mythtv.org	Home or School media center solution which provides the ability to pause, fast-forward and rewind live television, DVDs, images, music and capture analog capture card, MPEG-2, MJPEG, DVB or HDTV.
Note Editor - Score Editor http://noteedit.berlios.de	Note Editor is an editor for music notation that supports an unlimited number of staves and up to 9 voices per staff. The import formats are MIDI files, recorded from MIDI keyboards and TSE3. The export formats are MIDI, MusiXTeX, LilyPond, PMX, MUP, and TSE3.

Rosegarden - MIDI Sequencer http://www.rosegardenmusic.com	Rosegarden is an audio and MIDI sequencer, score editor, and general- purpose music composition and editing environment. It is an easy-to- learn, attractive application that runs on Linux. It is ideal for composers, musicians, music students, and small studio or home recording environments.
VLC - Networked Media Player http://www.videolan.org/vlc	VLC (initially VideoLAN Client) is a highly portable multimedia player for various audio and video formats (MPEG-1, MPEG-2, MPEG-4, DivX, mp3, ogg etc.) as well as DVDs, VCDs, and various streaming protocols. It can also be used as a server to stream in unicast or multicast in IPv4 or IPv6 on a high- bandwidth network.

Office Productivity Applications

Abiword - Fast, Light, Simple & Usable Word Processor http://www.abiword.org	AbiWord is a free word processing program similar to Microsoft Word. It is suitable for a wide variety of word processing tasks. AbiWord is rapidly becoming a state of the art Word Processor, with lots of features useful for your daily work, personal needs, or for just some good old typing fun. AbiWord is able to read and write all industry standard document types, such as OpenOffice.org documents, Microsoft Word documents, WordPerfect documents, Rich Text Format documents, HTML web pages and many more.
Alexandria - Manages your Book Collection. http://alexandria.rubyforge.org	Retrieves and displays book information (sometimes with cover pictures) from several online libraries, such as Amazon, Proxis, Barnes and Noble, the Spanish Ministry of Culture, Amadeus Buch, Internet Bookshop Italia, the US Library of Congress and the British Library
NeoOffice J (OpenOffice for Mac OSX) http://www.neooffice.org	Mac OSX Specific version of OpenOffice, that integrates with Mac specific features and offers Mac look and feel.
OpenOffice.org - The Future of Office Suites http://www.openoffice.org	OpenOffice.org mostly works and looks like Microsoft Office. With OpenOffice.org, you are able to create, read and write Word, Excel and Powerpoint files, as well as create complex vector drawings. OpenOffice.org also allows you to directly save your documents into industry-standard XML and PDF. OpenOffice.org is available in over a dozen languages.
StarOffice http://www.sun.com/software/star/staroffice	Commercial version of OpenOffice.org. Contains more templates and clip art than OpenOffice, and is free for education users.
Tux Print - Used to print a number of different documents http://www.newbreedsoftware.com/tuxprint	Tux Print is a 'publishing' program oriented towards children. It will let them easily compose and print a number of kinds of documents, such as Card, Banners, Posters and Newsletters.

Programming

DrPython - For Developing Python Programs http://drpython.sourceforge.net	DrPython is a highly customizable, simple, and clean editing environment for developing Python programs. It is intended primarily for use in schools, and is a tribute to DrScheme.
Eclipse - Java Integrated Development Environment http://www.eclipse.org	Eclipse is an open source community whose projects are focused on providing an extensible development platform and application frameworks for building software. Eclipse provides extensible tools and frameworks that span the software development lifecycle, including support for modeling, language development environments for Java, C/C++ and others, testing and performance, business intelligence, rich client applications and embedded development.
PhpMyAdmin - To Handle the Administration of MySQL http://www.phpmyadmin.net	phpMyAdmin is a tool written in PHP intended to handle the administration of MySQL over the Web. It can create, rename, and drop databases, create/drop/alter tables, delete/edit/add fields, execute any SQL statement, manage keys on fields, create dumps of tables and databases, export/import CSV data and administrate one single database and multiple MySQL servers.
Squeak - An Object-oriented Programming Environment http://www.squeak.org	Squeak is an open source and super- portable implementation of a multi- media capable Smalltalk-80 based object-oriented programming environment. It is written entirely in Smalltalk and has a high- performance VM, created by compiling the Smalltalk VM code into efficient and portable C code. It now uses the Self language's Morphic User Interface but still provides the original MVC GUI as well.
StarLogo - Modelling Complex Systems http://education.mit.edu/starlogo	StarLogo is a program used to control turtles on the screen, much like Logo. However, unlike Logo, StarLogo enables you to program hundreds or even thousands of turtles and program the patches underneath the turtles too! StarLogo is used primarily for modeling systems that have no leaders. Some examples of these leaderless systems in our everyday world are bird flocks, traffic jams, and termite and ant colonies.

Project Management

dotProject http://www.dotproject.net	dotProject is a web-based, multi user project management application, designed to provide project layout and control functions. It is used in a huge range of applications and environments, from small offices, single people trying to manage their own workload, companies, government departments, not for profit organisations, schools and so on.
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Imendio Planner http://www.imendio.com	Planner is a tool for planning, scheduling and tracking projects.
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Scientific Applications

Celestia - A True Space Simulator http://celestia.sourceforge.net	Celestia doesn't confine you to the surface of the Earth. You can travel throughout the solar system, to any of over 100,000 stars, or even beyond the galaxy. Celestia comes with a large catalog of stars, planets, moons, asteroids, comets, and spacecraft. If that's not enough, you can download dozens of easy to install add-ons with more objects.
EduKator - Physics & Maths http://users.pandora.be/muylkens/edu	EduKator is a KDE-based education program for learning about physics and mathematics in a way that it is fun. The program explains the theory being taught, and provides exercises for practicing the concepts. It includes programs for teaching the basic rules of optics, representing dubblerates graphically, teaching the basics of Archimedes' principles, and teaching about extrema problems (finding the minimum and maximum values of mathematical functions).
MayaVi - Scientific Data Visualiser http://mayavi.sourceforge.net	MayaVi is a scientific data visualiser which is written in Python and uses the Visualisation Toolkit (VTK) for the visualization. An easy to use GUI using Tkinter is provided.
MOLO - Molecular Workbench http://molo.concord.org	The goal of the Molecular Logic project is to improve the ability of all students to understand fundamental biological phenomena in terms of the interactions of atoms and molecules. The Molecular Logic project aims to do this by enhancing biology courses with guided explorations of powerful atomic and molecular computational models. These models are embedded in an easily implemented database linked to both typical textbooks and standards.
Quantum GIS - Geographic Information System http://www.qgis.org	Support for spatially enabled PostGIS tables Support for shapefiles, ArcInfo coverages, Mapinfo, and other formats supported by OGR Raster support for a large number of formats Identify features Display attribute tables Select features GRASS Digitizing Feature labeling
Resistor - For Converting Resistor Color Codes to Values http://resistor.sourceforge.net	Use this for converting resistor color codes to values and vice-versa. Enter the color bands on a resistor and it will tell you the value; enter a value you're looking for and it will tell you the color bands.
SciCraft - Data Analysis Tool http://www.scicraft.org	SciCraft is a data analysis software which allows the user to access advanced methods in statistics, chemometrics and artificial intelligence through an easy-to-use graphical user interface (GUI)
Scilab - Scientific Software Package http://www.scilab.org	Scilab is a scientific software package for numerical computations providing a powerful open computing environment for engineering and scientific applications.
Stellarium - A Planetarium for the Classroom http://stellarium.sourceforge.net	Stellarium is free GPL software which renders realistic skies in real time with OpenGL. It is available for Linux/Unix, Windows and MacOSX. With Stellarium, you really see what you can see with your eyes, binoculars or a small telescope. Stellarium is also used in planetariums
The R Project - Statistics Package http://www.r-project.org	R is a language and environment for statistical computing and graphics. R provides a wide variety of statistical (linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, clustering, ...) and graphical techniques, and is highly extensible.
Tkgate - A Digital Circuit Simulator http://www.tkgate.org	This is an event-driven digital circuit simulator with a TCL/TK-based graphical editor. It supports a range of primitive circuit elements and user-defined modules for hierarchical design. The program comes with a number of tutorial and example circuits. The example circuits include a simple CPU, programmed to run the Animals game.
Virtual Terrain Project - 3D Real World Simulations http://vterrain.org	The goal of VTP is to foster the creation of tools for easily constructing any part of the real world in interactive, 3D digital form.

Systems Management

KiXtart http://www.kixtart.org	The KiXtart free-format scripting language has rich built-in functionality for easy scripting. It also supports COM (providing access to ADSI, ADO, WMI, etc) and thus is easily extensible.
OpenQRM http://www.openqrm.org	Open source systems management platform, specifically targeting the data center. Provides policy driven high-availability and provisioning of applications and servers. Integrates with a variety of virtualization tools as well.
Unattended http://unattended.sourceforge.net	This is a system for fully automating the installation of Windows 2000 Professional and Server, Windows XP, and Windows Server 2003. Does not require a Windows server.

User Management

Directory Administrator http://diradmin.open-it.org	Directory administrator is a smart LDAP directory management tool.
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Jxplorer http://pegacat.com/jxplorer	JXplorer is an open source ldap browser originally developed by Computer Associates' eTrust Directory development lab.
OpenLDAP http://www.openldap.org	OpenLDAP is an Open Source suite of directory software developed by the Internet community.
SMB-LDAP Tools http://www.idealx.org/prj/samba/index.en.html	SMBLDAP-TOOLS is a package containing some useful scripts to manage LDAP users/groups for use with Samba.
Webmin Usermonitor http://www.gehrigal.net/projects/webmin_usermonitor	An interface that provides an overview of all users on the system.

Web Server/Proxy

Apache http://www.apache.org	The quintessential web server. You name it, it does it.
Dans Guardian http://dansguardian.org	DansGuardian is an award winning web content filtering proxy
Squid http://www.squid-cache.org	Full-featured Web proxy cache
SquidGuard http://www.squidguard.org	SquidGuard is a combined filter, redirector and access controller plugin for Squid. It is free, very flexible, extremely fast, easily installed, portable

Web Site Tools

Bluefish http://bluefish.openoffice.nl	A high quality, highly functional, HTML editor.
NVU - A Web content editor http://www.nvu.com	A complete Web Authoring System for Linux Desktop users as well as Microsoft Windows and Macintosh users to rival programs like FrontPage and Dreamweaver. Nvu makes managing a web site a snap. Now anyone can create web pages and manage a website with no technical expertise or knowledge of HTML.

Windows Compatibility/Virtualization

VMWare http://www.vmware.com	VMware lets you virtualize your IT infrastructure by virtualizing computing, storage and networking -- and managing it centrally.
WINE http://www.winehq.com	Wine is an Open Source implementation of the Windows API on top of X and Unix. Think of Wine as a compatibility layer for running Windows programs.
Xen http://www.xensource.com/xen	Xen is a virtual machine monitor for x86 that supports execution of multiple guest operating systems with unprecedented levels of performance and resource isolation.