

Free Software

The Joy of Open Source and low cost software

By

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Why are we here today?

- Access to technology is expensive. As more and more of our world is dominated by technology, those that have been economically and culturally shut out will need access to these resources to compete. Recent advances in computer technology have impacted society and leveled the playing field to a degree.
- This session will discuss how individuals can locate and make use of legal software.
- We will investigate open source software, freeware, and educational software alternatives in order to close the digital divide.
- This session will be valuable for any educator or student that is concerned about the rising cost of software needed for undergraduate studies.

Software: What are the options

- High priced commercial packages
 - Most software suites costs as much if not more than most entry-level computers
- Software piracy
 - Peer-to-Peer networks like Limewire and Bittorrent
 - Illegal and morally dubious
 - It can lead to fines and other troubles if you are caught

The Alternatives

- Open Source software
 - Free software developed for the masses
 - Open license allows users to modify the source code
 - Sometimes called FOSS (Free/Open-Source Software)
- Freeware
 - Free Software developed for the masses
 - Access to the source code is not allowed
- Shareware or Donationware
 - A small fee is charged or requested for the use of the software
- Commercial Learning editions
 - Scaled down versions of commercial packages
 - Many features disabled to entice users to buy the full commercial versions
- Educational software
 - Full versions of software that is discounted for students and educators
 - Use of software is limited to non-commercial projects

The Software

Web editors
Office suites
Video editors
2D animation
Photo editors
Music creation
System utilities
Publishing software
Illustration software
Screenwriting software
3D modeling & animation

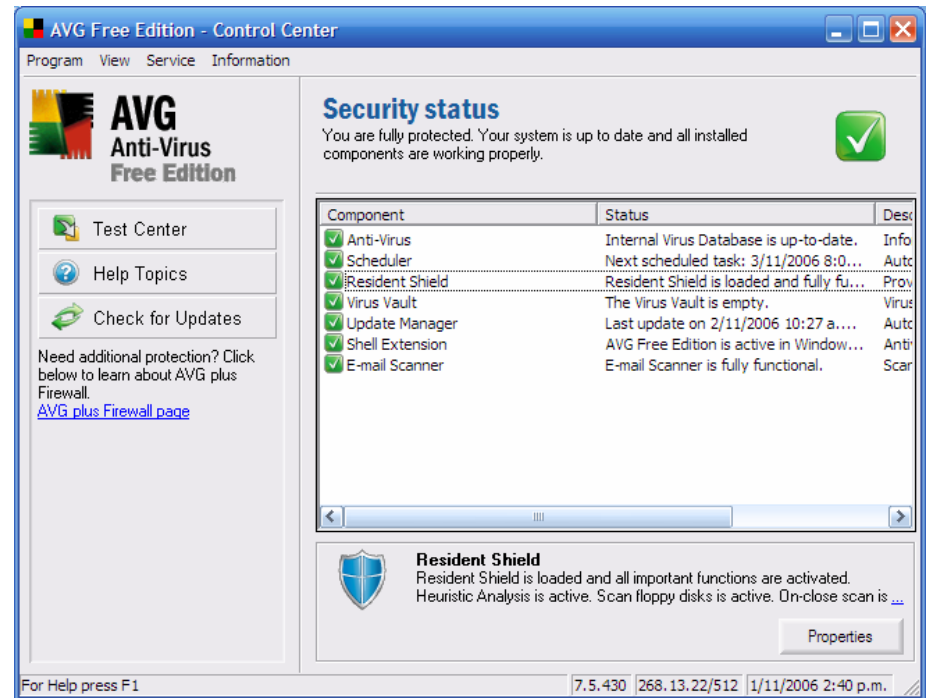
AVG



AVG Free Edition, a freeware program which allows home users unlimited use and unlimited updates.

- Anti virus protection
- Anti Spyware protection
- The free version is for personal/home use only
- Available for Windows and Linux

<http://free.avg.com/>



iAntiVirus



A freeware antivirus program for the mac that offers the following features.

- Real time Antivirus protection
- Free virus updates
- Memory and resource efficient
- Easy to use

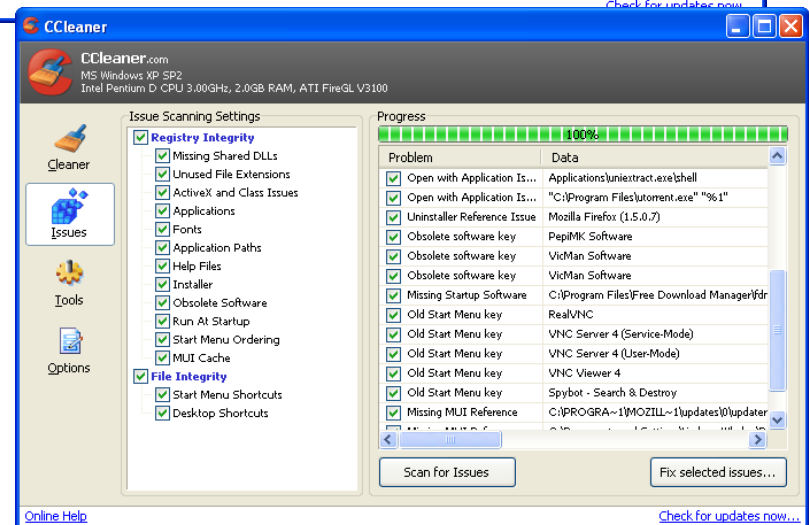
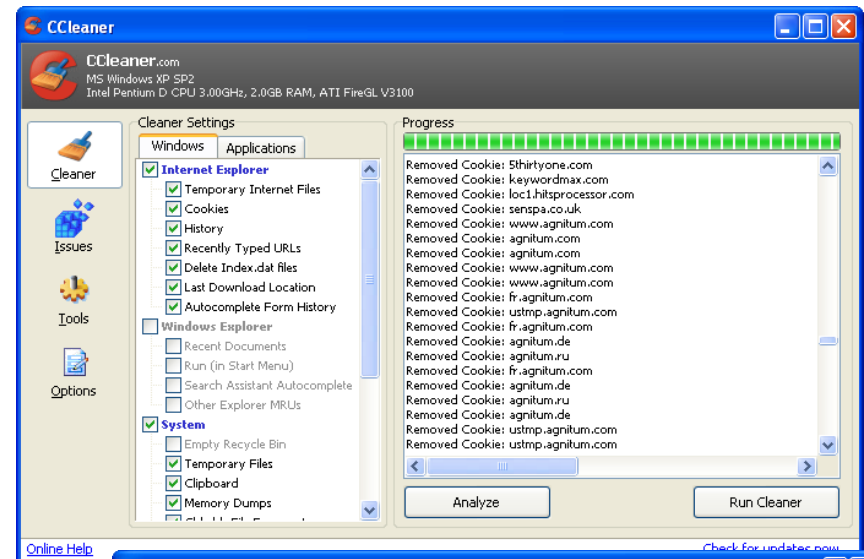
<http://www.iantivirus.com>

CCleaner

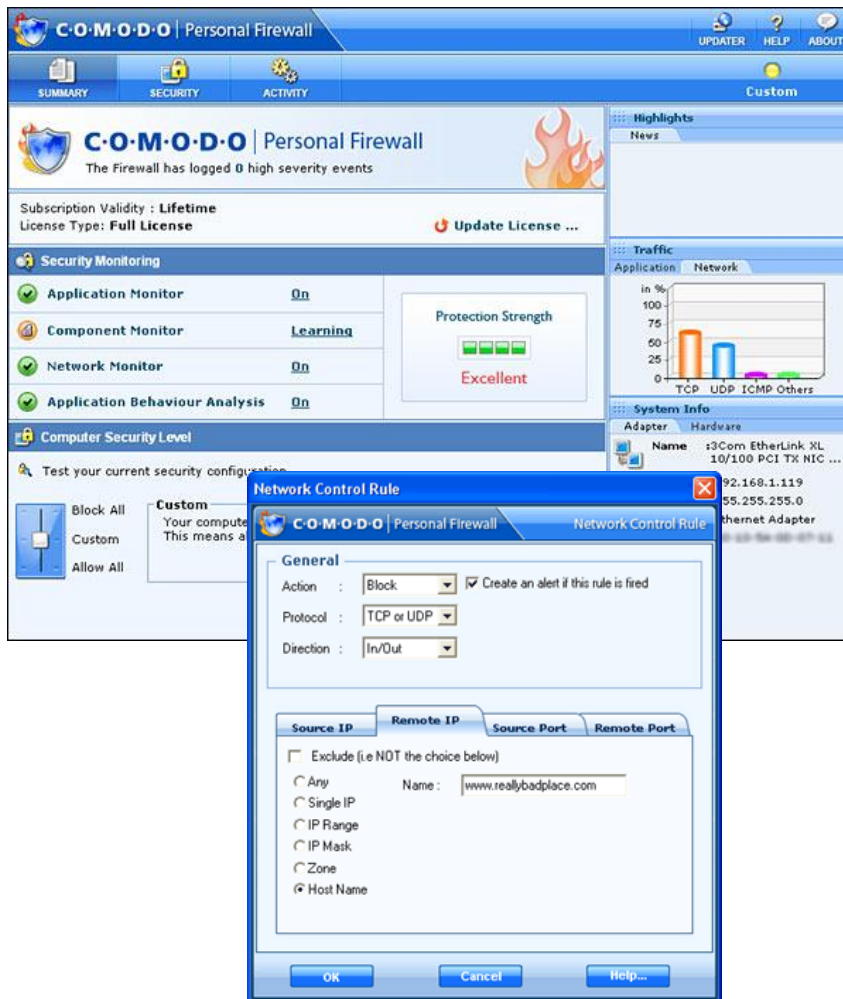


- CCleaner is a freeware system optimization and privacy tool.
 - It removes unused files from your system
 - Allows Windows to run faster
 - Frees up valuable hard disk space
 - It cleans traces of your Internet activities such as your Internet history.

<http://www.ccleaner.com/>



Comodo Firewall



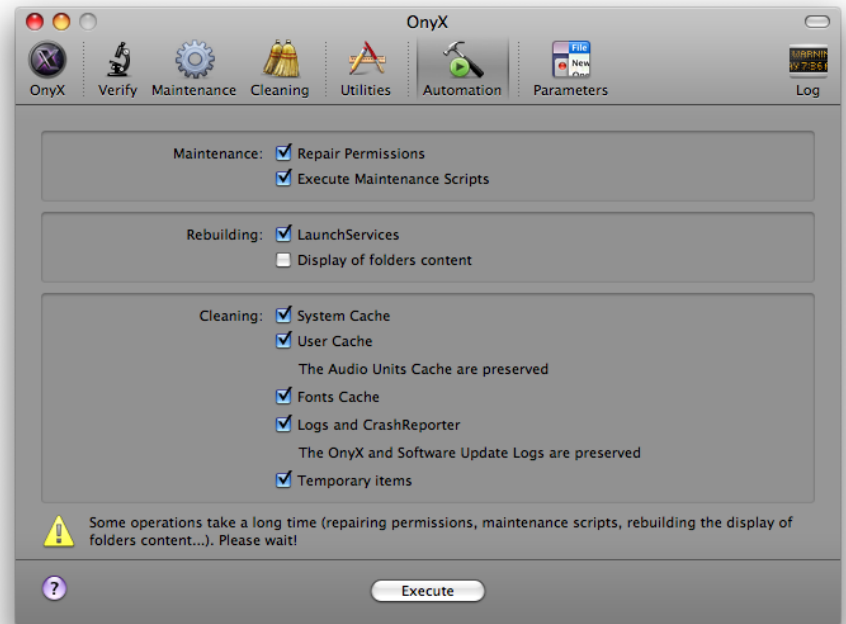
- Top notch freeware firewall that works as well as the best commercial firewalls
- Windows only

<http://www.comodo.com/>

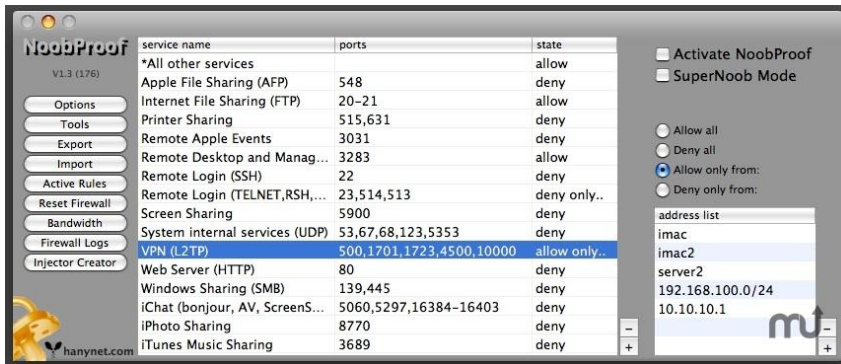


- Onyx is a maintenance, optimization, and personalization utility that can remove files and folders that are no longer needed.
 - It removes unused files from your system
 - allows Mac to run faster
 - frees up valuable hard disk space
 - It cleans traces of your online activities such as your Internet history.

<http://www.titanium.free.fr/>



NoobProof Firewall



- Top notch firewall configuration tool for Mac OS X. Noobproof uses Mac OS X built-in firewall and gives it a simplified interface that makes it easy for non-techs to protect their systems.
- Works with Mac OS X Tiger 10.4 thru Mac OS X Snow Leopard 10.6.

<http://www.hanynet.com/noobproof/>

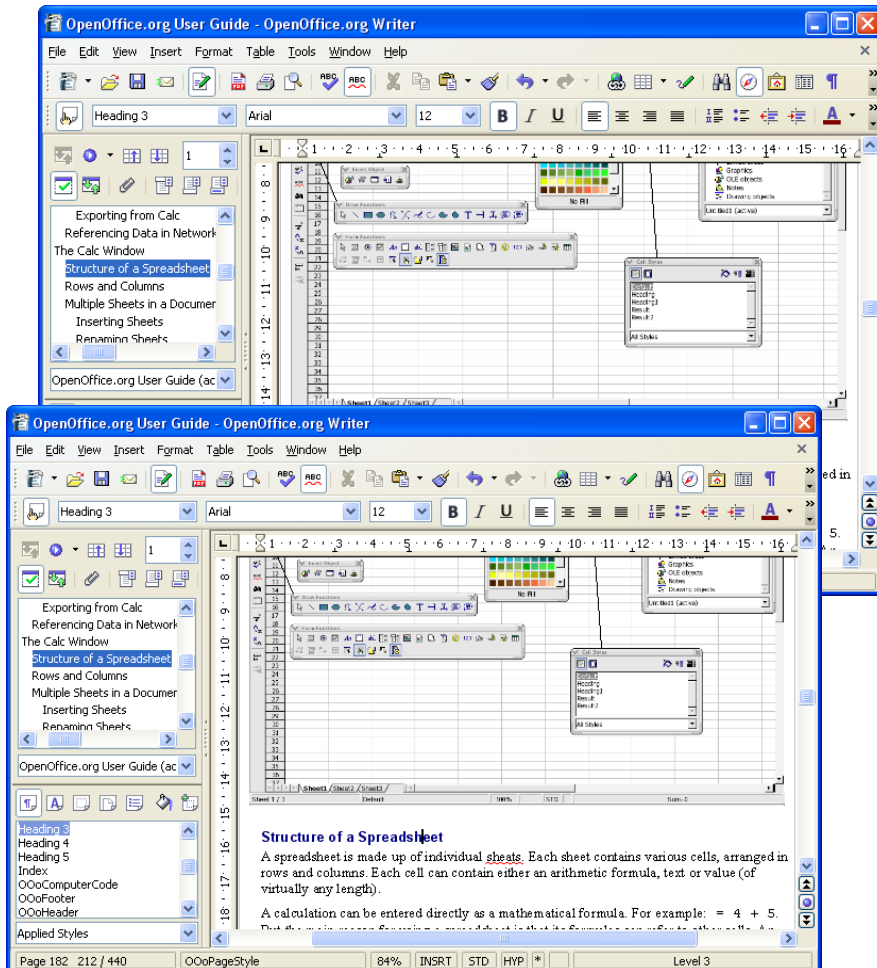
WaterRoof Firewall

- Top notch firewall configuration tool for Mac OS X. WaterRoof uses Mac OS X built-in firewall and gives it a simplified interface that makes it easy for non-techs to protect their systems.
- Works with Mac OS X Leopard 10.5 thru Mac OS X Lion 10.7.

<http://www.hanynet.com/waterroof/>



OpenOffice



- The open source world's answer to Microsoft Office.
- Fully functional suite of office "like" apps
 - Writer - Word processor
 - Base - Database application
 - Calc - Spreadsheet application
 - Impress - Presentation software
 - Draw - Vector Drawing application
 - Math - Powerful GUI based math equations editor
- Available in multiple languages.
- Updates for the project were delayed when the apps were transfer to the Apache Foundation for ongoing maintenance. As a result, some other product suites are currently better supported.

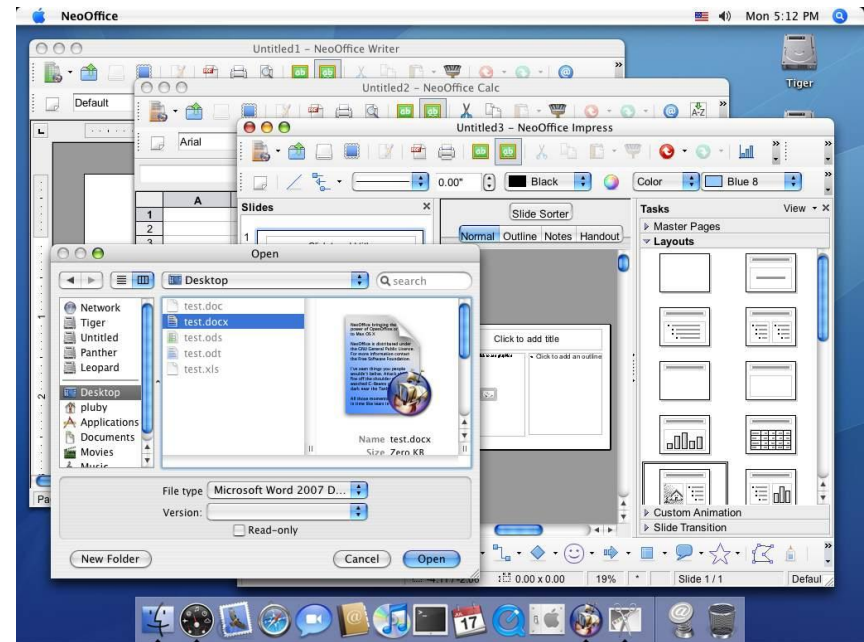
<http://www.openoffice.org/>

LibreOffice



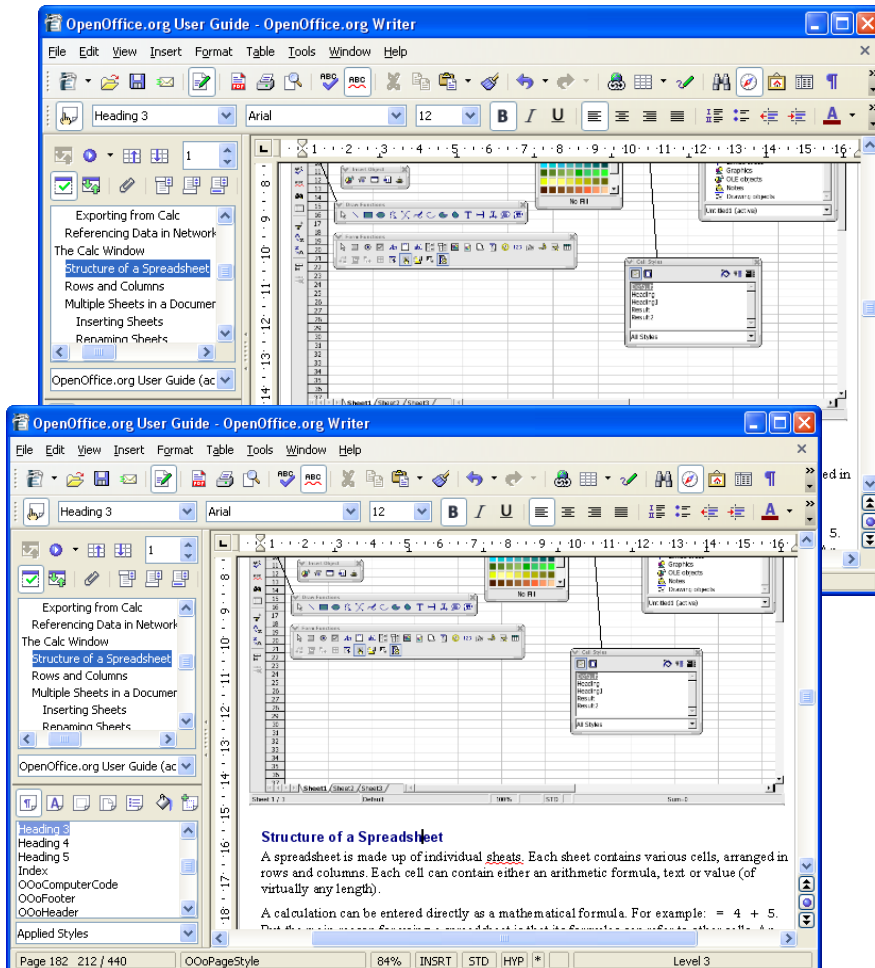
- The open source world's answer to Microsoft Office for the Mac.
- Based on the OpenOffice engine.
- Runs on Windows, Mac OSX, and Linux.
- Fully functional suite of office"like" apps
 - Writer - Word processor
 - Base - Database application
 - Calc - Spreadsheet application
 - Impress - Presentation software
 - Draw - Vector Drawing application
 - Math - Powerful GUI based math equations editor
- Available in multiple languages

<http://www.libreoffice.org/>



OPEN WORKBENCH

Open-Source Project Scheduling for Windows



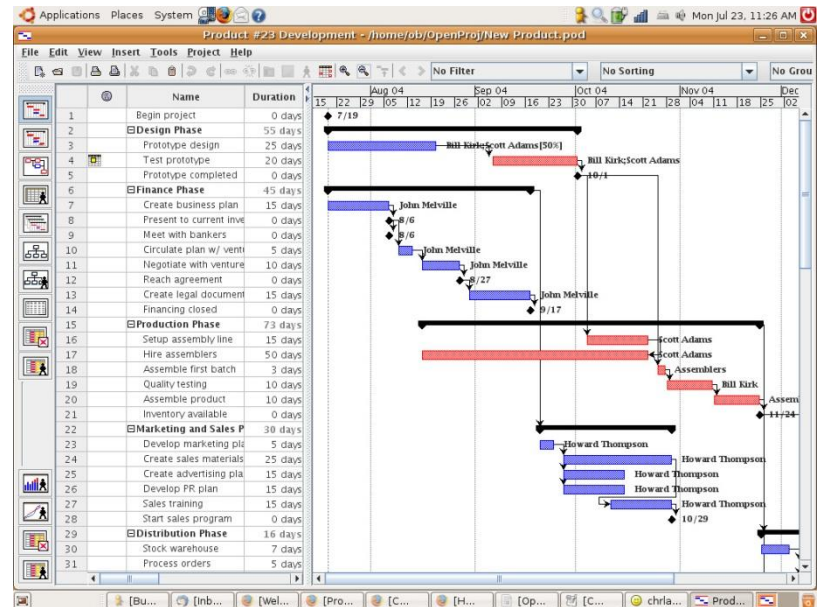
- The open source world's answer to Microsoft Project.
- Fully functional Project Management and scheduling software. Features include:
 - Project Scheduling
 - Project Planning
 - Resource Management
 - Project review
- Currently only for PC based systems..

<http://www.openworkbench.org/>

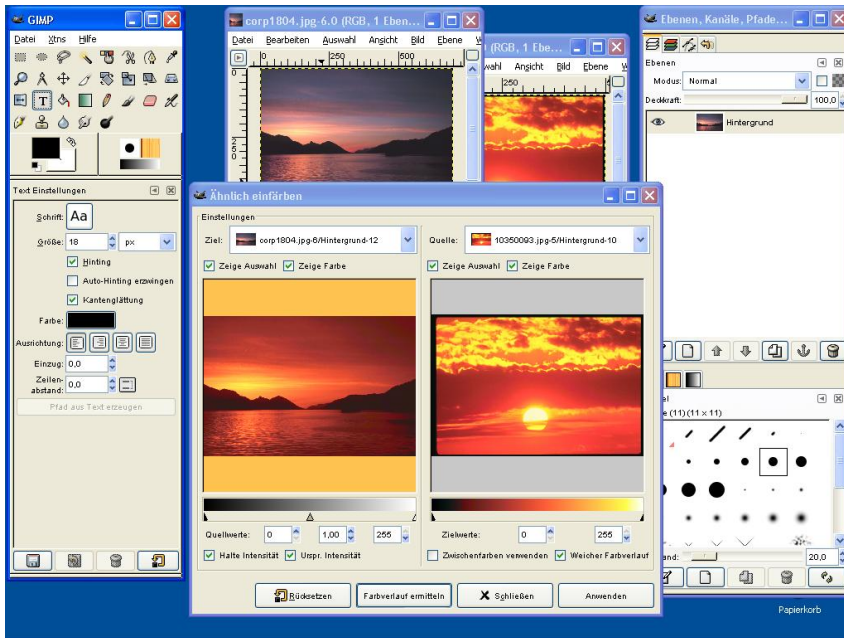


- OpenProj is a free, open source desktop alternative to Microsoft Project.
- Fully functional Project Management and scheduling software. Features include:
 - Project Scheduling
 - Project Planning
 - Resource Management
 - Project review
- Available for PC, Mac, Linux, and Unix based systems.
- There is also a hosted network option available for companies.

<http://www.openproj.org/>



GIMP



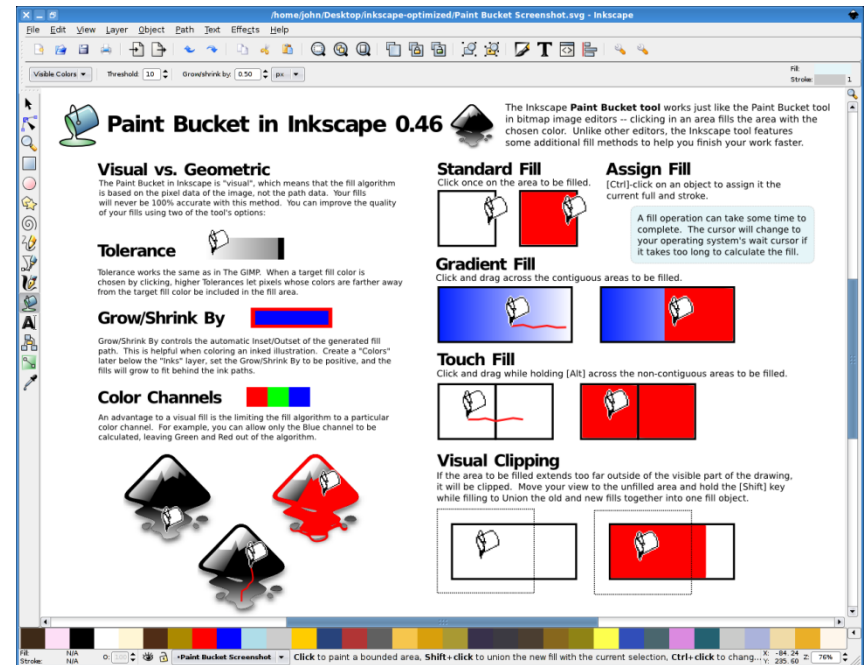
- Image and graphical editing software.
- The open source world's answer to Adobe Photoshop.
- Available in multiple languages.
- Available for the Windows, Mac and UNIX/Linux.

<http://www.gimp.org/>

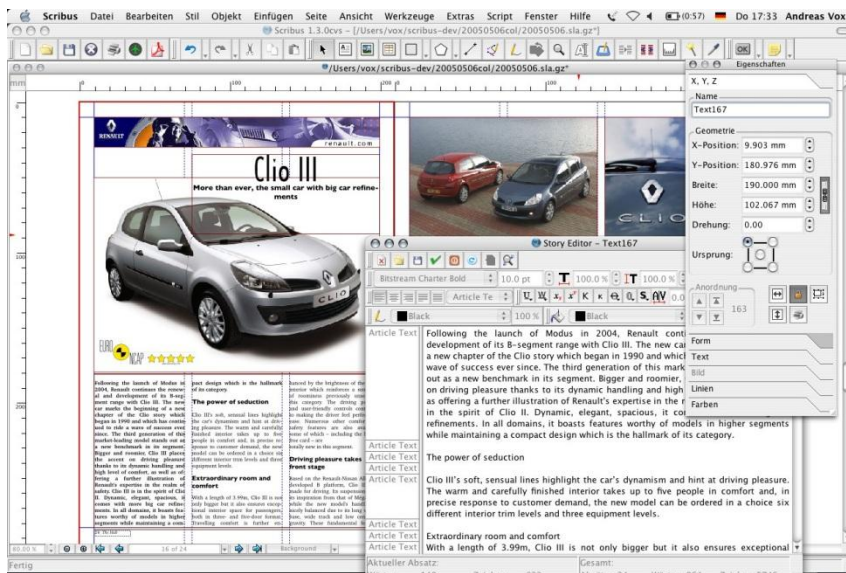
Inkscape

- Vector-based drawing and graphical design program
- The open source world's answer to Adobe Illustrator
- Available in multiple languages
- Available for the Windows, Mac and UNIX/Linux

<http://www.inkscape.org/>



Scribus



- Desktop Publishing software
- The open source world's answer to Quark and InDesign
- Available in multiple languages
- Available for the Windows, Mac and UNIX/Linux

<http://www.scribus.net/>

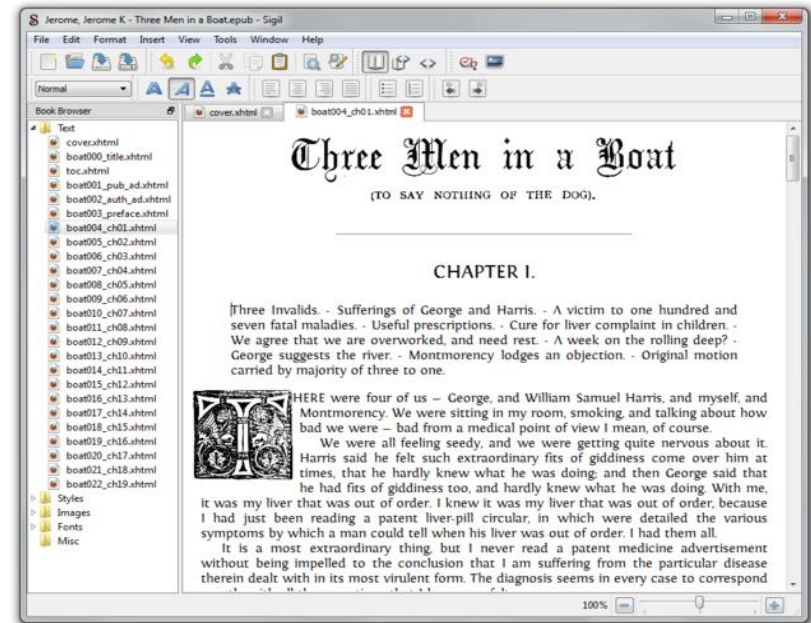
SIGIL

sigil
A WYSIWYG ebook editor.

Sigil is a multi-platform EPUB ebook editor and builder developed by Google.

- Create ebooks for many popular e-readers such as the iPad and iPhone.
- Available in multiple languages
- Available for the Windows, Mac and UNIX/Linux

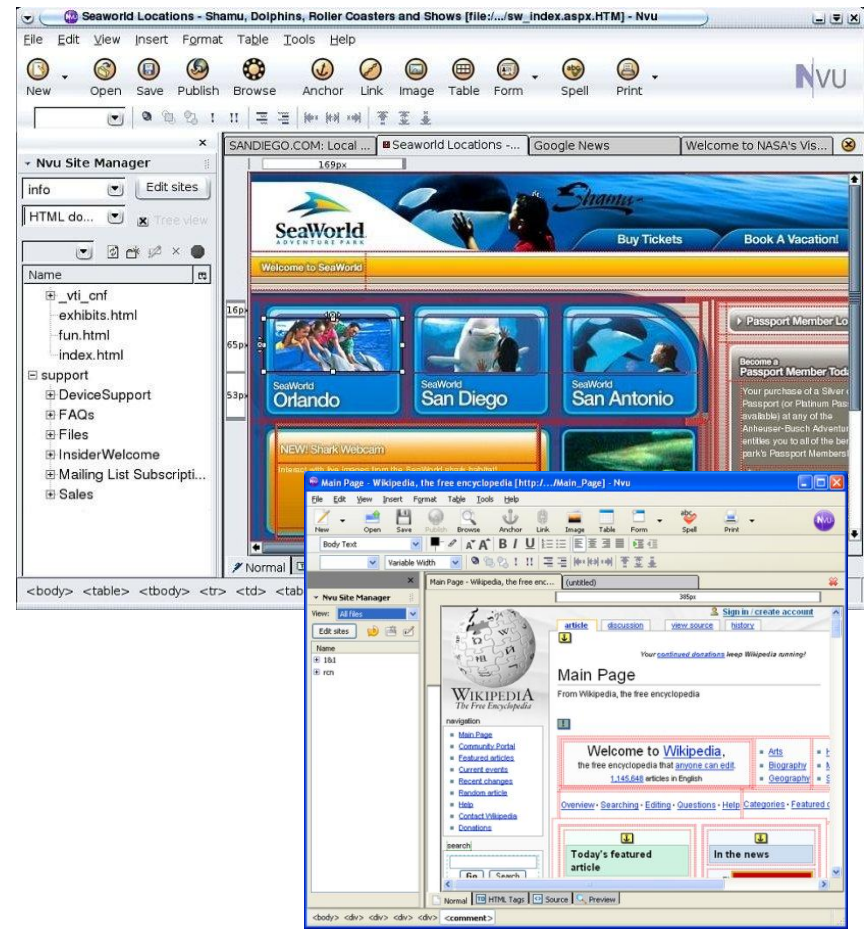
<http://code.google.com/p/sigil/>





- Web Authoring Software based on the Mozilla engine
- An older open source answer to Adobe Dreamweaver or Microsoft Frontpage
- Basic HTML, CSS, XML, and Javascript support is included
- Available in multiple languages
- Available for the Windows, Mac and UNIX/Linux

<http://www.nvu.com/>



KompoZer



- Simplified Web Authoring Software based on the NVU engine
- An older open source answer to Adobe Dreamweaver or Microsoft Frontpage
- Basic HTML, CSS, XML, and Javascript support is included
- Available in multiple languages
- Available for the Windows, Mac and UNIX/Linux

<http://www.kompozer.net/>

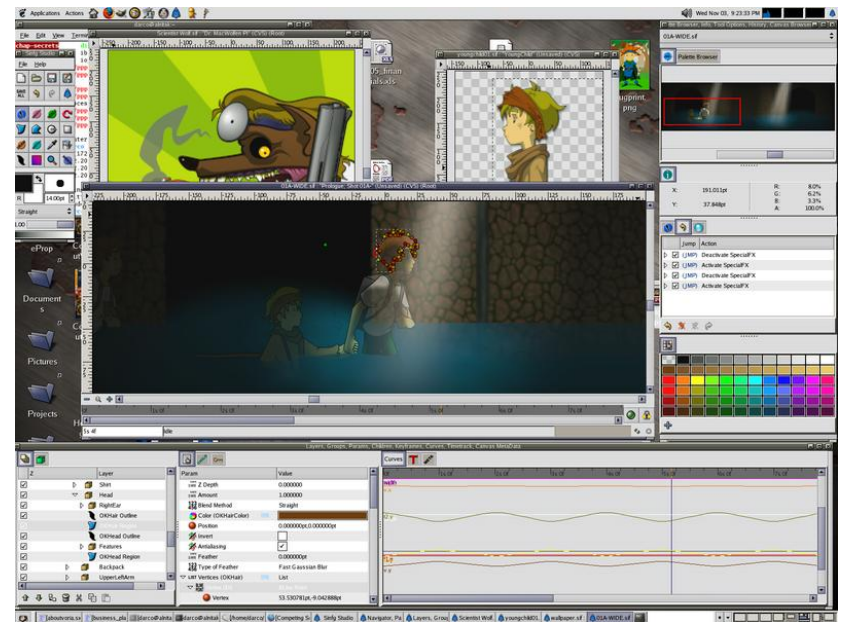
Synfig Studio

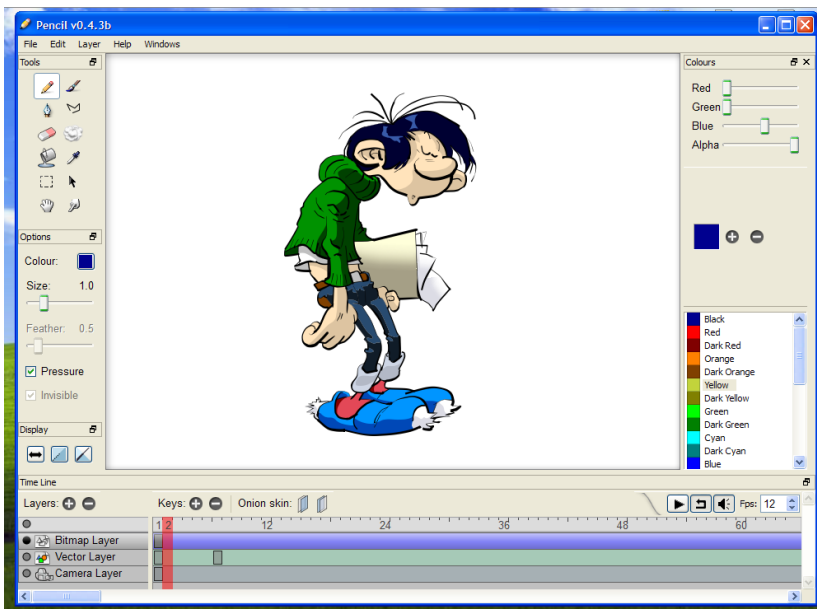


Synfig Studio (also known as **Synfig**) is a free and open source 2D vector graphics and timeline-based computer animation program similar to Flash and Toonboom.

- It is primarily an animation tool
- Available in multiple languages
- Available for the Windows, Mac and UNIX/Linux

<http://www.synfig.org/>





Pencil is an animation/drawing application for Mac, Windows, and Linux. It lets you create traditional hand-drawn cartoons using both bitmap and vector graphics. Pencil is free and open source, and similar to Flash and Toonboom in functionality.

- It is primarily an animation tool
- Easy to use
- Available in multiple languages
- Available for the Windows, Mac and UNIX/Linux

<http://www.pencil-animation.org/>

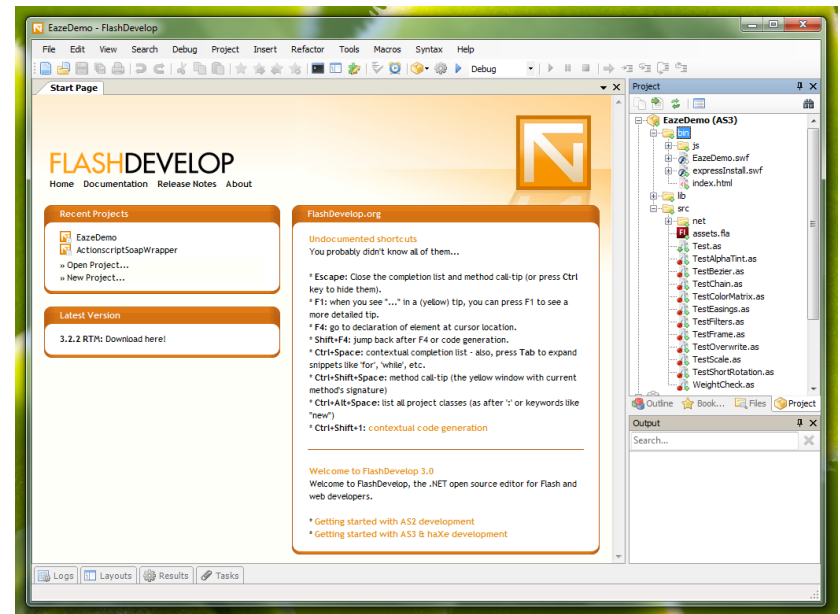
FlashDevelop



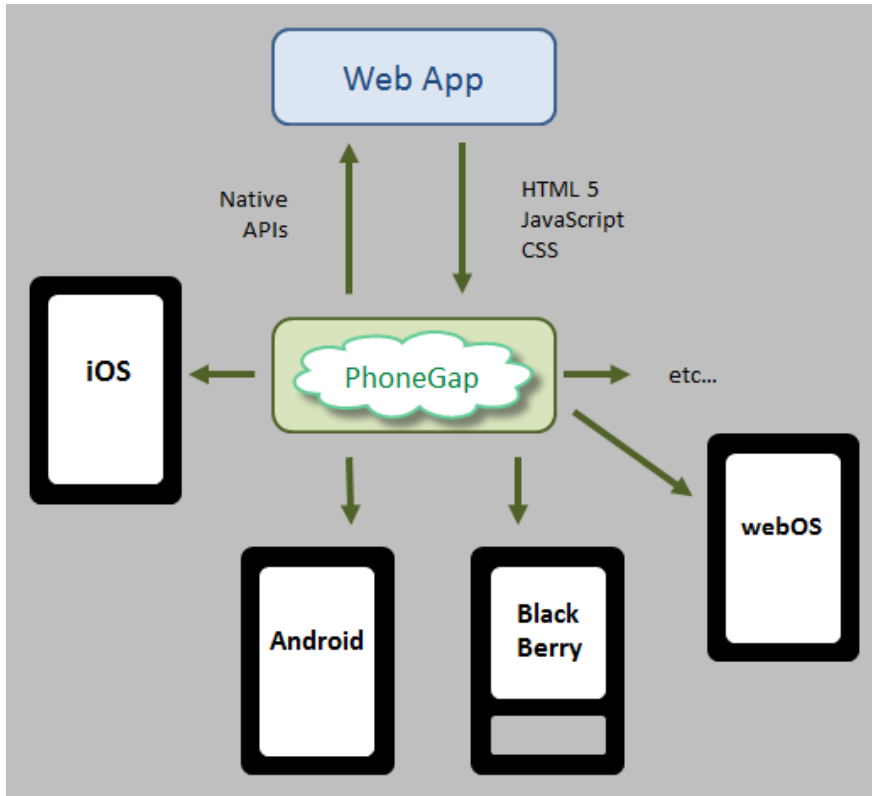
FlashDevelop is free open source integrated development environment (IDE) for rich media application design. The program is similar to Adobe FlashBuilder/Flex.

- It is primarily an application development tool. When combined with Adobe's Integrated Runtime (AIR) environment, you can create mobile application for Android/iOS devices as well as for traditional desktops.
- Available in multiple languages
- Available only for Windows

<http://www.flashdevelop.org/>



PhoneGap



PhoneGap an open-source mobile development framework developed by Adobe Systems to enable programmers to build applications for mobile devices using JavaScript, HTML5 and CSS3, instead of often less-known languages such as Objective-C.

- It is both a standalone framework and included in Dreamweaver 5.5 and later.
- Capable of exporting applications for Apple, Android, Blackberry, Nokia, Windows, and HP tablets and phones. Available in multiple languages
- Available for the Windows, Mac and UNIX/Linux

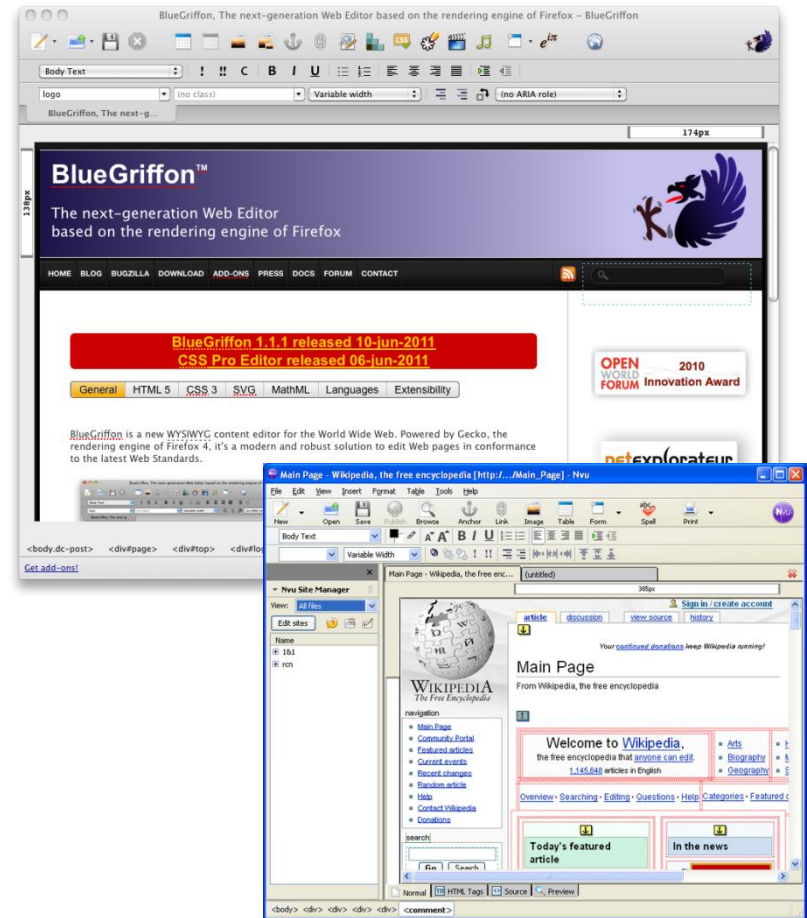
<http://www.phonegap.com>

BlueGriffon™



- Blue Griffon is a new HTML5 and CSS3 visual editor currently in beta and powered by Firefox's Gecko rendering engine.
- The open source world's answer to Adobe Dreamweaver and it is available for Windows, Mac OS X, and Linux.
- This application will allow users to edit Web pages in conformance to the latest standards. HTML5 CSS3, XML, and Javascript support is included.

<http://www.bluegriffon.org/>



Wordpress



- Wordpress is a state-of-the-art personal publishing system with a focus on aesthetics, web standards, and usability
- Free and popular blogging software
- Very customizable via themes and templates

<http://www.wordpress.org/>

The screenshot shows the homepage of the WordPress 1.5 Themes Competition Blog. At the top, there is a navigation bar with links for Home, About, Archives, Links, and Contact. Below this is a large banner image of a tunnel with green walls and lights, with the text "WordPress 1.5 Themes The WordPress 1.5 Themes Competition Blog" overlaid. The main content area features a post titled "The Winners" dated Thursday, March 31, 2005, posted by Alex King. The post text announces the prize winners of the year's WordPress Theme Competition and lists the winners under three categories: "The Poobahs!", "Most Creative Design", and "Honorable Mentions". The "The Poobahs!" category lists three winners: Grand Poobah - Connections, Plain Ol' Poobah - Rin, and Mini Poobah - Red Train. The "Most Creative Design" category lists one winner: Head (in a very close race). The "Honorable Mentions" category lists three winners: Wuhan, Orange Sky, and Green Marinee. On the right side of the page, there are three sidebar sections: "About the Site:" which identifies the blog as "The WordPress 1.5 Themes Competition Blog"; "Links:" which lists the names of the blog's authors: Alex, Carthik, Donncha, Dougal, Matt, Michel, Mike, and Ryan; and "Pages:" which lists "About", "Download Themes", and "Submitting a Theme". At the bottom of the sidebar, there is a "Categories:" section which is currently empty.

Drupal



- Free modular content management system and blogging engine which was originally written as a bulletin board system.
- It is used by many high-traffic websites, including The Onion, Spread Firefox. It is particularly popular for building online communities.
- Drupal is written in PHP.
- Large developer and user community
- Available in multiple languages
- Available for Windows, Mac, and Unix/Linux systems.

<http://www.drupal.org/>

Drupal - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Google

Drupal

User login

Username: *

Password: *

Log in

Create new account

Request new password

Welcome to your new Drupal website!

Please follow these steps to set up and start using your website:

- 1. Create your administrator account**
To begin, create the **first** account. This account will have full administration rights and will allow you to configure your website.
- 2. Configure your website**
Once logged in, visit the **administration** section, where you can **customize and configure** all aspects of your website.
- 3. Enable additional functionality**
Next, visit the **module list** and enable features which suit your specific needs. You can find additional modules in the **Drupal modules download** section.
- 4. Customize your website design**
To change the "look and feel" of your website, visit the **themes** section. You may choose from one of the included themes or download additional themes from the **Drupal themes download** section.
- 5. Start posting content**
Finally, you post to the

For more information, visit the **Drupal forum**, or visit the **Drupal documentation**.

Download, 0.1.1 for Windows English (8.6MB)

Songbird is a Web player built from Firefox's browser engine. Songbird is open source, will run on Windows, Mac OS X and Linux and supports user contributed, cross-platform extensions. Learn more.

Play music. Play the Web.
Read the blog. See the source.

Songbird

Features Community Development Extensions Support Blog About

0.2 Update

Submitted by mag on Thu, 04/29/2008 - 8:27pm.

Yes, we're overdue for a discussion about where we stand with a 0.2, so I'm back to give you the quick and skinny.

Our wonderful new hire Ben is working with the Mozilla folks to land bug #476182. This bug essentially takes the app out within a few seconds after startup, so it pretty much blocks us from proceeding further (we can see the UI come up in linux and osx, but that's about it).

Once this issue is behind us, we'll be able to take another look at what remains to make an "alpha" for 0.2 and once there we'll post information on how to get our source and try to build it on whatever platform all you folks happen to have. Then the genie will truly be out of the bottle and you'll all hate us for every API change we make after that.

Download, 0.1.1B for Windows English (8.6MB)

Get a Songbird Job
Get a Songbird T-Shirt

Blog: Rob, Meg, Aun, Krishi, Nui

Songbird Screensast
Songbird News
Songbird FAQ

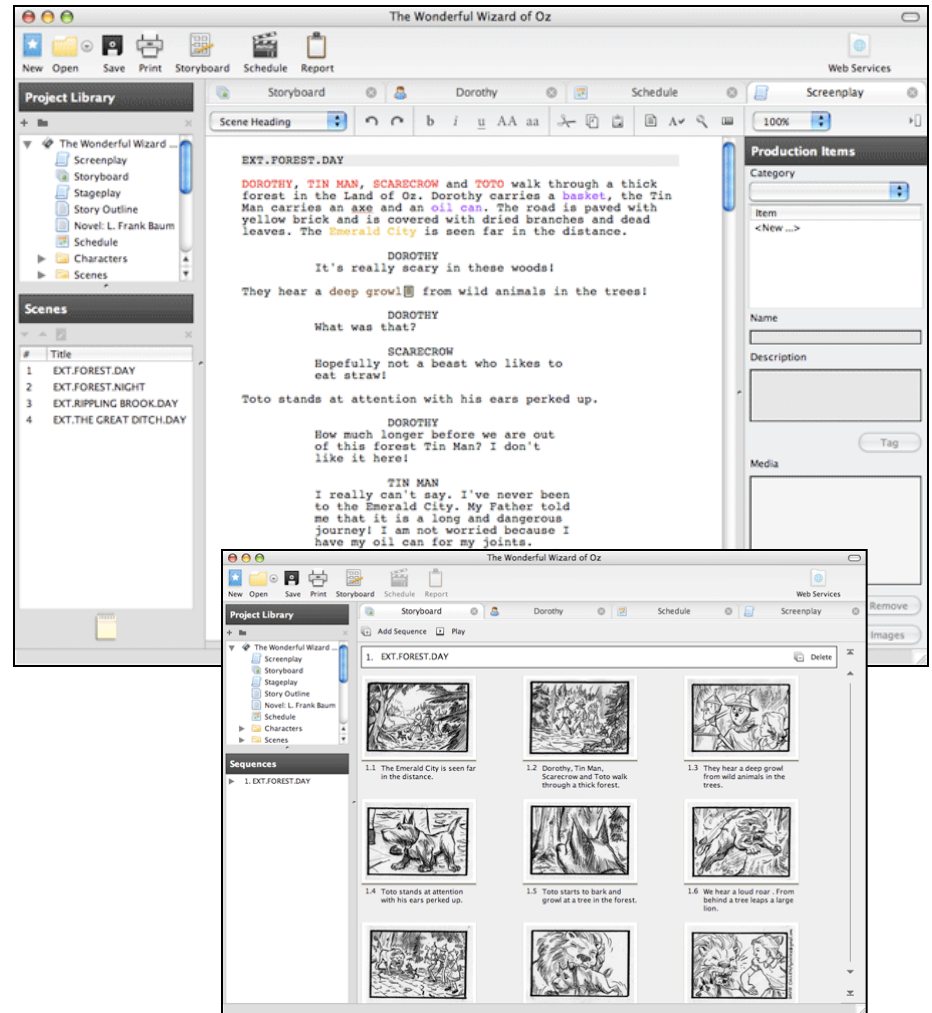
Recent blog posts

- 0.2 Update
- High, 300k and yep!
- Thanks for dropping by...
- MOZILLA + SONGBIRD = PROGRESS!
- What's Coming to Songbird.com?
- Songbird Nathan on a



- Pre-production and scheduling application for movie, TV, and theater
 - Screenplay writing
 - Storyboarding
 - Shot Scheduling
 - Plot outline and treatment development
 - Character development and motivation
 - Huge forum community for feedback and collaboration
- The open source world's answer to Final Draft
- Available in multiple languages
- Available for the Windows, Mac and UNIX/Linux

<http://www.celtx.com/>





- The open source video editing and effects software
- The open source world's answer to Final Cut Pro and Adobe Premiere.
- Currently available only for Windows. However, Mac and Linux versions are under development and expected before the end of 2012.

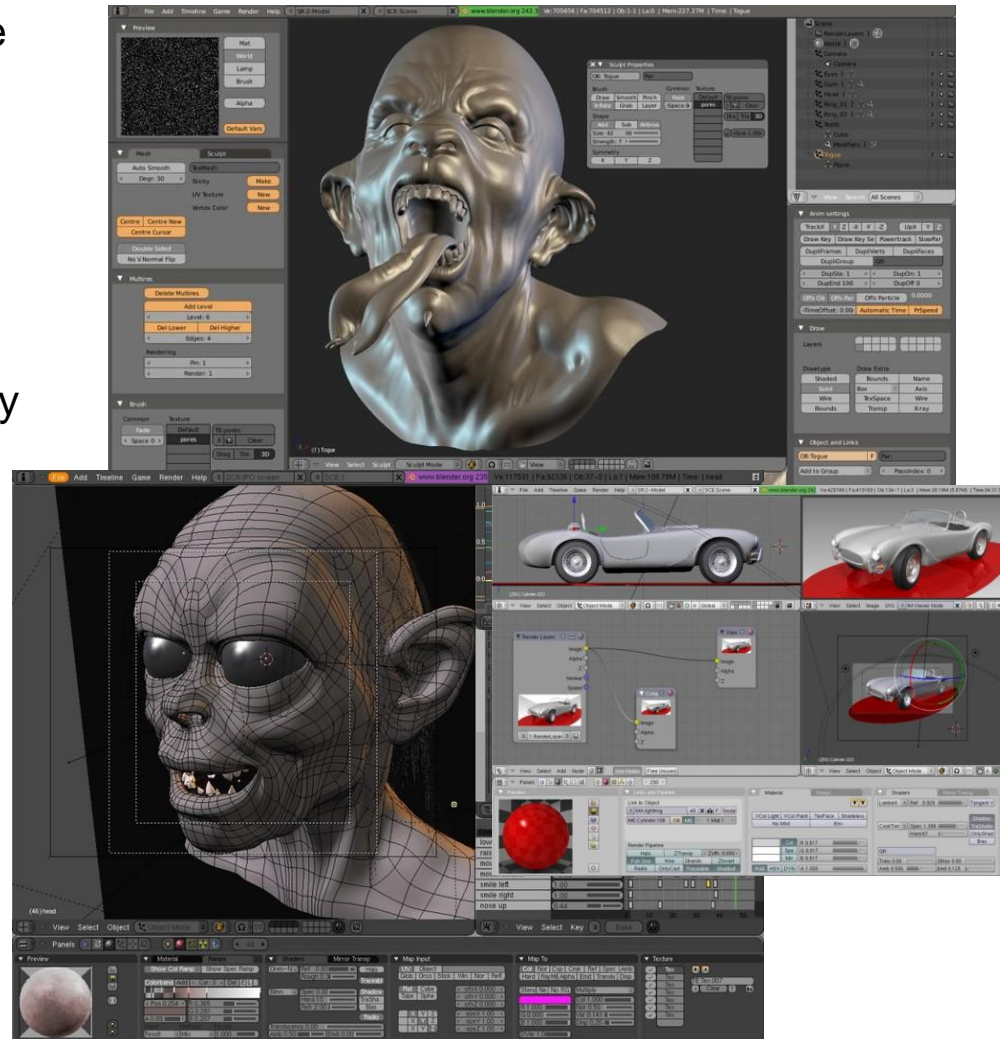
<http://www.lightworksbeta.com/>

Blender

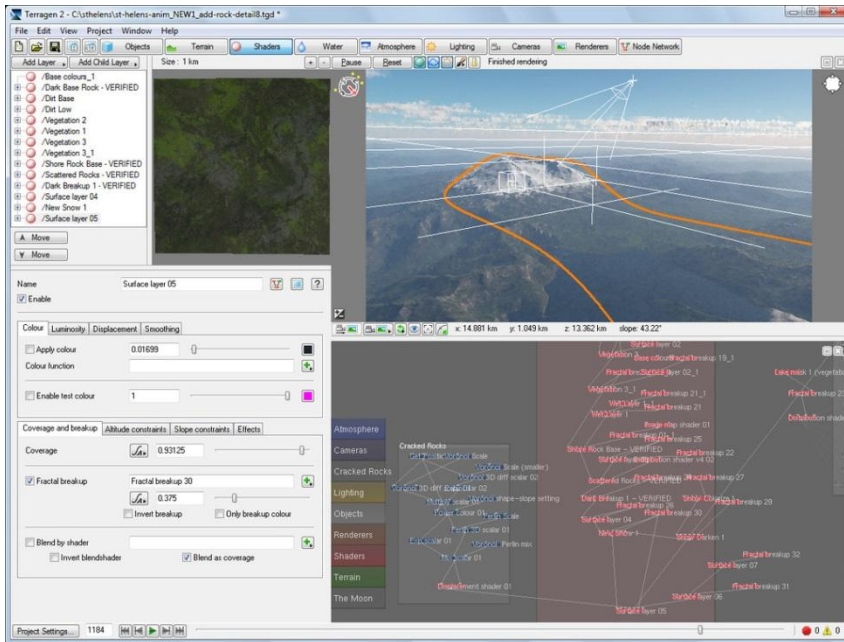


- 3D modeling and animation software
- Imports and exports most 3D file formats
- The open source world's answer to Maya and Lightwave
- Large developer and user community
- Available in multiple languages
- Available for Windows, Mac, and Unix/Linux systems

<http://www.blender.org/>



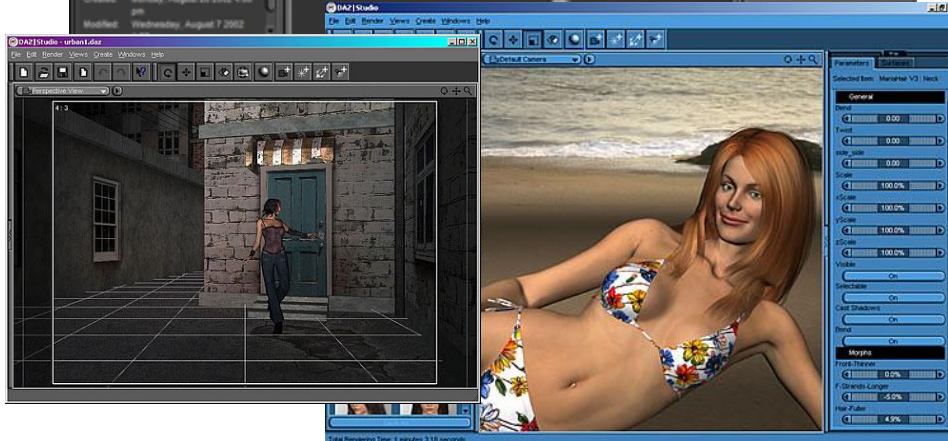
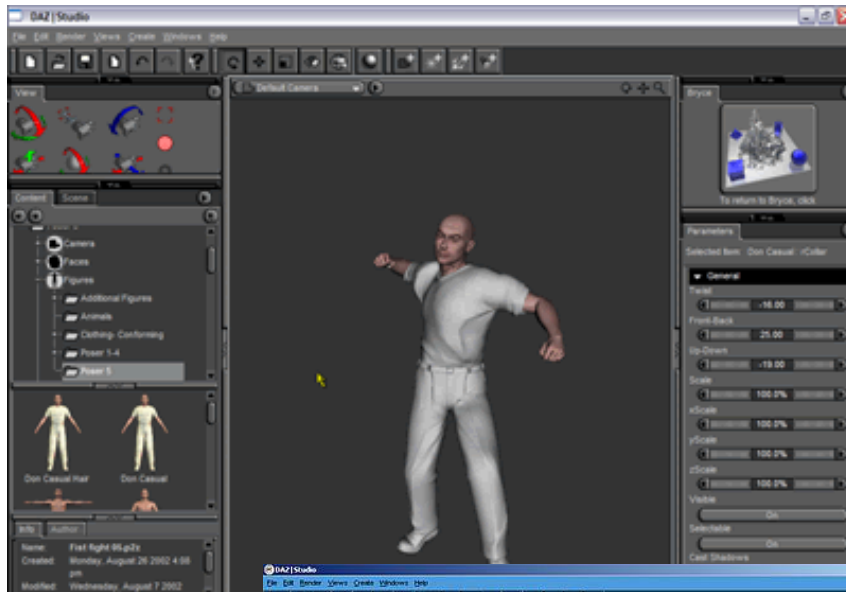
Terragen



- 3D landscape and terrain modeler
- Generate still images or animations
- Similar in function to Bryce 3d
- There is free version for non commercial use and a full commercial release.
- Available for Windows and Macs
- Medium sized developer and user community

<http://www.planetside.co.uk>

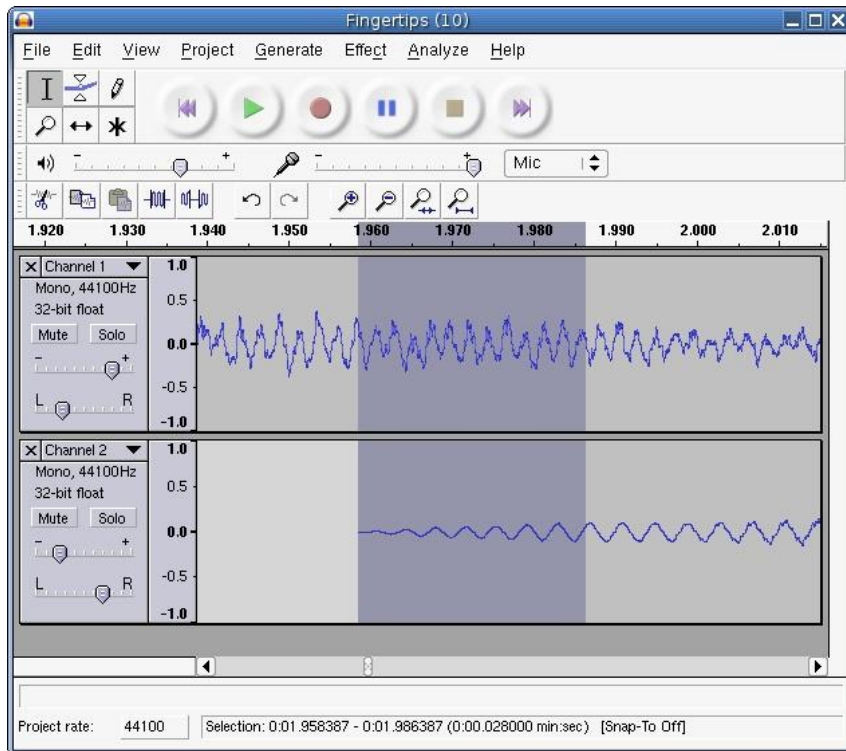
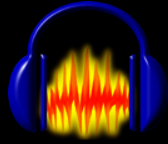
Daz3D Studio



- DAZ's free application for posing, rendering, and animating articulated 3D figures. It can generate still images or animations and is available for Windows and Mac systems.
- Designed to allow users to manipulate "ready to use" models and figures. It is aimed at users who are interested in posing human and non-human figures for illustrations and animation, but who do not wish to incur the expense of, or who may be daunted by higher-end 3D and CAD software. The program similar to in functionality the commercial Poser application.
- While free 3D models available, you can purchase other high-end models.
- Large developer and user community

http://www.daz3d.com/i/products/daz_studio

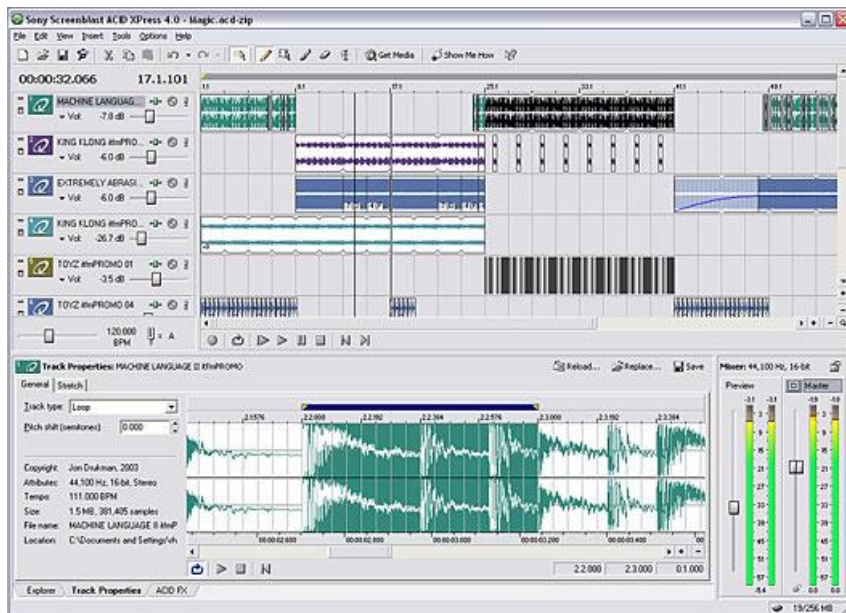
Audacity



- Open source audio editor
- Excellent for podcasting
- Imports and exports most audio file formats (wav, aif, mp3, vorbis, etc.)
- Available in multiple languages
- Available for the Windows, Mac and UNIX/Linux

<http://audacity.sourceforge.net/>

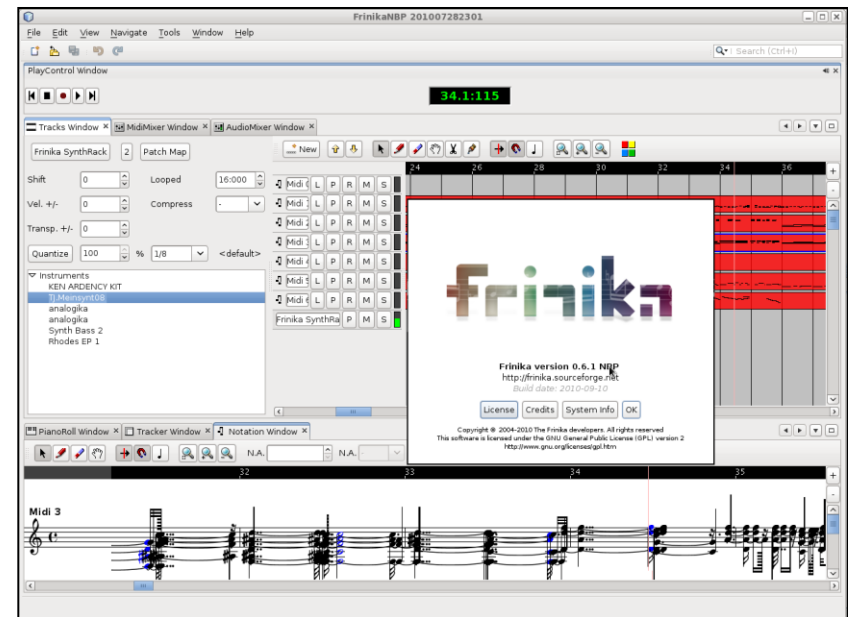
Sony Acid Xpress



- Freeware version of Sony's loop based music creation software offering 10-tracks for music recording, editing and mixing. It's easy to use and similar in functionality to Apple's Garageband
- The commercial version starts under \$80 with an educational discount
- Windows only
- <http://www.acidplanet.com/downloads/xpress/>

Frinika Music Workstation

- Frinika is a free open source music workstation developed to be a complete platform for making music on a computer. able to run on several operating systems, and being open source to be able to embrace the best technology being available at any time.
- Contains sequencers, midi support, soft synthesizers, audio recorders, piano roll/tracker/notation editing and more.
- Runs on Windows, Mac and Linux.
- <http://frinika.appspot.com/>



Thanks for listening

Visit my website:

<http://www.jamesrichardson.net>

Feel free to contact me at:

james@jamesrichardson.net

For information on LaGuardia's New Media Technology Program:

<http://laguardia.edu/mediatech>