

**Consortium for studying, evaluating, and supporting the introduction of Open Source software and Open Data Standards in the Public Administration**

Project acronym: COSPA



## **Work Package 2**

**Collection of requirements for OS applications and ODS in the PA and creation of a catalogue of appropriate OS/ODS Solutions**

### **Deliverable 2.1**

**Catalogue of available Open Source tools for the PA**

Contract no.: IST-2002-2164



Project funded by the European Community under the  
“SIXTH FRAMEWORK PROGRAMME”

<b>Project Acronym</b>	COSPA
<b>Project full title</b>	A Consortium for studying, evaluating, and supporting the introduction of Open Source software and Open Data Standards in the Public Administration
<b>Contract number</b>	IST-2002-2164
<b>Deliverable</b>	2.1
<b>Due date</b>	28/02/2004
<b>Release date</b>	15/10/2005
<b>Short description</b>	WP2 focuses on understanding the OS tools currently used in PAs, and the ODS compatible with these tools. Deliverable D2.1 contains a Catalogue of available open source tools for the PA, including information about the OS currently in use inside PAs, the administrative and training requirements of the tools.
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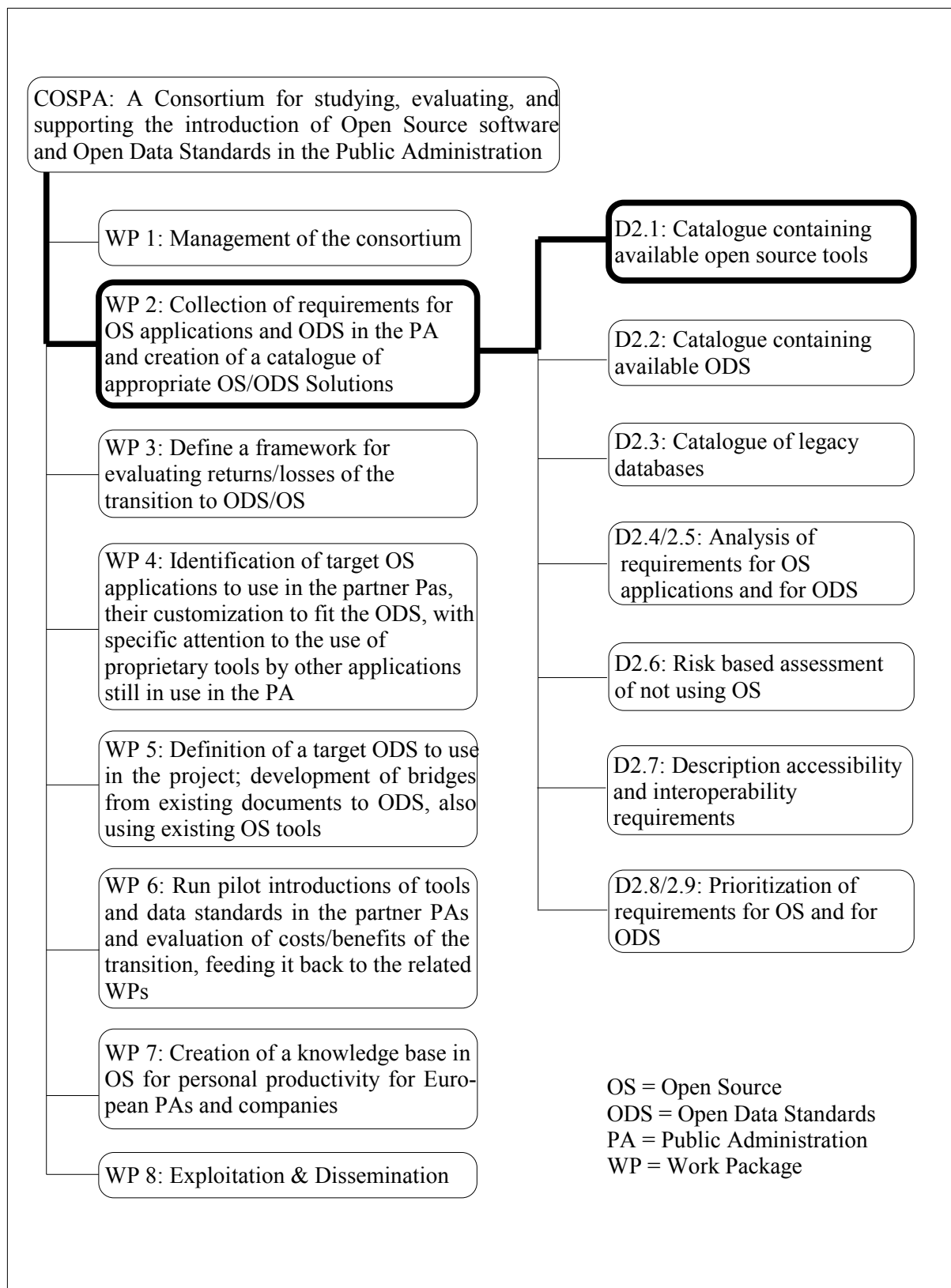
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## Deliverable Navigator



## **Executive Summary**

Any Public Administration (PA) planning to migrate its IT environment to Open Source Software (OSS) needs access to clear, constituency-centric information about available OS applications. In this document, therefore, COSPA surveys the kinds of OS applications actually in use in its partner PAs, categorises these according to the widely-used IDABC (Interoperable Delivery of European eGovernment Services to public Administrations, Businesses and Citizens) taxonomy, and collects a large number (200) of available OS tools that target these PA process categories. The resulting catalogue provides a succinct, searchable description of all relevant application for IT managers in PAs to use when making software recommendations and decisions.

This unique catalogue forms part of the COSPA Workpackage dedicated to collecting and analysing PA software functionality requirements, and providing detailed information resources about available OS software packages tailored to these needs. While other items of the Workpackage deal with the specific issue of legacy database applications from an OS standpoint, this OSS catalogue covers the much broader offering of OS office productivity tools; desktop environments; databases; CAD-CAM and Geographic Information Systems (GIS); encryption, privacy and security; networking; administration and infrastructure tools; and development tools and libraries.

## 1 Introduction


This document may be divided in two parts:

- an analysis and presentation of the results of a survey of the adoption and usage of Open Source Software (OSS) in European Public Administrations;
- a catalogue of relevant OS (open source) applications for personal productivity.

The applications have been searched and selected based on their fitness for use, their stability and reliability, and their training and installation requirements with respect to the target use in Public Administrations.

Tools that don't match these requirements have not been included. For instance, tools such as LaTeX that require extensive training and therefore irrelevant to PA employees' needs.. This does not imply that such tools are “bad”, simply that they are not suitable for our target users.

Since it can be difficult to find useful documentation for OS tools, this information has been added when it is available. To avoid duplication of existing work, we do not include information on OS server-side tools or operating systems. We have, however, added a reference list of server-side open source packages.

We conducted a survey of the seven COSPA's PA partners and eighteen COSPA Observer PAs. The aim was to identify PA adoption of the most common personal productivity OSS included in the catalogue. In Chapter 2 we outline the survey methodology and the questionnaires used. In Chapter 3 we report on the initial results of the survey, and then provide an analysis and discussion of these results in Chapter 4. 

The categorisation of OS tools used in the deliverable follows the IDABC convention:<sup>1</sup> for OSS used in the catalogue.

The questionnaire was structured in line with the following categories:

1. Office productivity tools;
2. Desktop environments;
3. Databases;
4. CAD, CAM and Geographic Information Systems (GIS);
5. Encryption, privacy and security;
6. Networking;
7. Administration and infrastructure tools;
8. Development tools and libraries.

Some categories are further sub-divided, as described in Table 1.

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<sup>1</sup> “The Taxonomy is based on the functionalities relevant to public administrations.” An online version of taxonomy can be found at: <http://europa.eu.int:80/idabc/en/document/3499>

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<b>Category</b>	<b>Sub-categories and description</b>
<b>Office productivity tools</b>	<b>Text processors and publishing tools:</b> word-processors for writing and modifying text documents and desktop publishing tools for preparing professional-looking printed documents.
	<b>Spreadsheets:</b> applications for working with tables of numbers and mathematical formulae. Calculations are automatically updated as input numbers change. Graphical output in the form of bar diagrams, cake diagrams, etc.
	<b>Personal or project assistant:</b> a personal assistant tracks and manages everyday activities, deadlines, tasks, etc. A project assistant helps in managing and running a project in general: breakdown of the activities, tasks allocation, overview of the progress, etc.
	<b>E-mail, groupware and instant messaging client:</b> applications for reading/writing emails, performing collaborative work, and exchanging real-time messages with people over the Internet.
	<b>Printing and faxing:</b> specialised applications for sophisticated printing such as: full colour, kerning, etc. There are also applications for sending/receiving faxes over IP networks, such as the Internet.
	<b>Graphics:</b> tools for free-hand drawing, digital image capture and editing, etc.
	<b>Hypermedia:</b> applications for reading, playing and authoring non-conventional document media such as hypertexts (Internet browsers), digital motion pictures, etc.
<b>Desktop environments</b>	<b>Desktop environment:</b> tools implementing a graphical user interface to the basic functionalities offered by the operating system (e.g. file copy and printing; change of user preferences such as screen size, resolution, etc.)
	<b>Emulators:</b> tools providing a virtual and different hardware/software platform on the top of the current one. This enables programs written for a platform to be run on another machine (useful for running the “old favourites” when migrating to a OSS desktop).
	<b>Utility applications:</b> tools providing handy, though secondary, add-in functionalities to the desktop environment, such as: pop-up's, sticking notes, fonts loading, etc.
<b>Databases</b>	<b>Front-ends and clients:</b> applications for accessing data stored in database servers, via well-established query languages/protocols.
	<b>Knowledge Management:</b> tools for storing and retrieving “knowledge” in the form of text documents, presentations, graphical documents, etc. They usually provide sophisticated options for extracting and indexing knowledge from the input documents.
<b>CAD/CAM and Geographic Information Systems (GIS)</b>	CAD/CAM software supports the design and manufacturing of a broad range of products: from silicon micro-components to houses and jet engines. GIS are hardware/software systems specialised in the processing of huge amount of geographical data. They find application in many fields: weather forecasting, land use planning, sales analysis, etc.
<b>Encryption, privacy and security</b>	Applications for ensuring the privacy and secrecy of computer-manipulated data. Also, software for protecting computer systems from virus attacks.
<b>Networking</b>	Tools for enabling smooth, reliable networking among several computer systems connected to a network. For example, remote access and terminal emulators belong to this category.
<b>Administration and infrastructure tools</b>	Applications for managing hardware/software systems. In particular, tools for performing backups (even over a network), for managing users and user groups, for remote installation and update of software, etc.



<b>Category</b>	<b>Sub-categories and description</b>
<b>Development tools and libraries</b>	Simply, the tools needed for developing, testing and packaging software.

*Table 1: Software categorisation*

After analysing the questionnaires we provide a possible global categorisation of each tool, and collect them in a large repository.

### **A. Administrative Workflow and Workload management**

- A.1 office suites
- A.2 desktop software
- A.3 backup utilities
- A.4. administration systems
- A.5. web tools
- A.6. miscellaneous

### **B. Communication and management of public sector documents**

- B.1 file sharing
- B.2 email and instant messaging
- B.3 conferencing
- B.4 fax
- B.5 phone
- B.6 video
- B.7. network communications

### **C. eDemocracy (e.g. e-voting) and inclusion**

### **D. eGovernment services to citizens**

- D.1 tax declaration
- D.2 job search
- D.3 social security
- D.4 unemployment
- D.5 family allowances
- D.6 medical costs / health related services
- D.7 student grants
- D.8 personal documents
- D.9 car registration
- D.10 application for building / planning / permission
- D.11 declaration to the police
- D.12 public libraries
- D.13 certificates (birth, marriage etc.)
- D.14 enrolment in education
- D.15 announcement of moving (address changes)

### **E. eGovernment services to Enterprises**

#### **E.1 registration**

#### **E.2 tax declaration**

**F. eJustice, Legal transparency and visibility**

**G. eLearning**

**H. Facilities management**

**I. Human resource and career development**

**J. Hospital management and healthcare**

**K. Public e-procurement**

**L. Real estate management**

**M. Security, encryption, PKI and authentication - electronic**

M.1 firewall

M.2 encryption

M.3 other

**N. Security and authentication**

N.1 biometrics

**O. Tourism**

We added further application types in the following categories to match the full range of the software reviewed:

**A. Administrative Workflow and Workload management**

A.7 Text processor and publishing tool

A.8 Translation tools

A.9 Spreadsheet

A.10 personal and project assistant

A.11 Development tools and libraries

**B. Communication and management of public sector documents**

B.6 Hypermedia

B.7 Network communications

B.8 Graphics

**P. Database**

P.2 front-end and clients

P.3 knowledge management

**Q. CAD/CAM and Geographic Information Systems**

**M. Security, encryption, PKI and authentication – electronic**

M1 Firewall & tools

M3 Digital signature



## **Scope of the document**

This document is aimed mainly at IT managers and PA technical staff.

It can also support IT managers or IT consultants involved in choosing OSS solutions for different PA functionality.

This document also acts as a reference for the analysis found in D2.4-D2.5.

## 2Method

In this Chapter we outline the methodology used for collecting the data on adoption and usage of OSS within Public Administrations. The survey was conducted through an email questionnaire containing 181 Open Source tools: partners had to indicate whether they were currently using or they were planning to use. Furthermore, we administered the same questionnaire to eighteen COSPA Observer's PAs.

### The questionnaire

The questionnaire aimed at measuring the current state of adoption of selected OS tools for personal productivity in European PAs. Furthermore, by identifying the most used applications we hope in turn to identify the OSS which is best suited for PAs.

The questionnaire is composed by two parts:

- a list of OS tools divided according to the categorisation set out in Chapter 1. Table 2 provides an excerpt of such list;
- a synoptic view of the OSS present in the above list. For each tool the document provided succinct information on training and administrative requirements, documentation and availability. An excerpt of the document is depicted in Figure 1.

1.2.1 Office Productivity Tools		
1	Koffice	
2	OOviewer	
3	Open Office	
Text processors and publishing tools		
4	Conglomerate	
5	ExtendedPDF	
6	Gjots	
7	Gpdf	
8	Jasperreports	
9	Kugar	
10	Newdocms	
..N	.etc..	

*Table 2 An excerpt of the questionnaire*

For each software in the list responders had to mark the corresponding cell with a:

- “U” if the software was in use; users were also asked to add also the version in use and when it was first adopted;
- “P” if the user planned to use the software, but it was not yet installed;
- “D” if the user had disposed the tool after using it; users were also asked the last version of the software used, when it was first adopted and when it was disposed;
- “X” if the software was never used.

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COSPA (IST-1-002164)							
<b>Synoptic view of Open Source Software</b>							
Package	Description	Development status	Platform	Download location	Requirements for training	Requirements for installation and maintenance	Available documentation
Office Productivity Tools							
Koffice	KOffice is an office suite for KDE, the K Desktop Environment.	Version 1.3.2 Released 08/07/2004	BSD, IRIX, Sun/Solaris	<a href="http://www.koffice.org/">http://www.koffice.org/</a>	While most of the applications resemble the commercial counterparts or similar office suites like OpenOffice.org, there are some notable differences that may increase the training time.	Minimal, as usually is pre-installed with full KDE installation in most distributions.	Help files in the application
OOviewer	A Java based application capable of viewing files created in OpenOffice.org Writer, OpenOffice.org Impress, OpenOffice.org Calc.	No information	OS Independent	<a href="http://os.up.edu.ph/modules.php?name=Downloads&amp;d_op=getit&amp;lid=27">http://os.up.edu.ph/modules.php?name=Downloads&amp;d_op=getit&amp;lid=27</a>	Minimal	Java Jar binary packages are available.	<a href="http://www.engg.upd.edu.ph/%7Eooview/">http://www.engg.upd.edu.ph/%7Eooview/</a>
Open Office	OpenOffice.org is an integrated productivity suite.	Version 1.1.2 01/06/2004	Windows, GNU/Linux ("Linux"), Sun Solaris, MacOS X (Uncer X11 and FreeBSD)	<a href="http://download.openoffice.org/1.1.2/index.html">http://download.openoffice.org/1.1.2/index.html</a>	Similar to those of proprietary office suites.	The package has an easy-to-use installation procedure. Some external contributors (Ximian) have developed alternative packages, including RPM-based installations.	<a href="http://www.cospa-project.org">http://www.cospa-project.org</a>

*Figure 1: An excerpt of the synoptic view*

The questionnaires were distributed and collected during August and September 2004.

### 3Results

In this Chapter we provide the results to our questionnaire. We begin with results from COSPA Public Administration partners, next we give results from several COSPA Observer Public Administration.

#### Partner results

In this section we provide the raw results of the questionnaire administered to COSPA Public Administration partners. Table 3 provides the actual number of replies to the questionnaire. From the very high numbers of “X” replies we gather that OSS is not much widespread in our partners PAs, as far as absolute numbers are concerned. In fact, the questionnaire was not aimed at measuring how much OSS is being used: it only meant to count the different OS tools in use. However, it might well be that the cited OSS is a critical part of the software infrastructure of a PA, and as such it has an important role. Here we have not collected information about criticality, frequency of use, etc.

	<i>Partners</i>						
	PROGE	SWRA	TO	PP	HK	BH	SGV
<i>Number of questions/tools</i>	181	181	181	181	181	181	181
<i>“X” replies</i> - Tools never used	161	176	152	174	171	157	158
<i>“D” replies</i> - Used in the past but not currently in use	0	0	0	0	2	0	0
<i>“P” replies</i> - Not yet installed but planed to use	0	2	29	1	6	5	0
<i>“U” replies</i> - Tools currently in use	20	3	0	6	2	19	23

*Table 3: Questionnaire total results from COSPA partners*

As we may also see from the percentages provided in Table 4, actual adoption of the listed OSS is quite low.

	<i>Partners</i>						
	PROG E	SWRA	TO	PP	HK	BH	SGV
<i>“X” replies</i> - Tools never used	88,95%	97,24 %	83,98 %	96,13 %	94,48 %	86,74 %	87,29 %
<i>“D” replies</i> - Used in the past but not currently in use	0,00%	0,00%	0,00%	0,00%	1,10%	0,00%	0,00%
<i>“P” replies</i> - Not yet installed but planed to use	0,00%	1,10%	16,02 %	0,55%	3,31%	2,76%	0,00%
<i>“U” replies</i> - Tools currently in use	11,05%	1,66%	0,00%	3,31%	1,10%	10,50 %	12,71 %

*Table 4: Percentages of replies*

We now provide the frequency of replies for each category of the listed OSS. In Table 5 we provide the frequencies of “U” replies, thus giving the cumulative rate of use for each

category of software. We focus on the PROGE, BH, and SGV partners, as they provided the highest numbers of “U” replies. We see that they mostly use OSS for desktop applications and databases. The column for our Hungarian partner Törökbálint (TO) is empty, since they are not currently employing any OSS.

<i>Software Category</i>	<i>Partners</i>						
	PROGE	SWRA	TO	PP	HK	BH	SGV
Office Productivity Tools	<b>35,00%</b>	33,33%	N/A	16,67%	50,00%	<b>21,05%</b>	<b>30,43%</b>
Desktop environment and utilities	<b>20,00%</b>	0,00%	N/A	33,33%	0,00%	<b>26,32%</b>	<b>17,39%</b>
Database	<b>10,00%</b>	66,67%	N/A	33,33%	50,00%	<b>21,05%</b>	<b>17,39%</b>
CAD/CAM and Geographic Information Systems	5,00%	0,00%	N/A	0,00%	0,00%	5,26%	0,00%
Encryption, privacy and security	0,00%	0,00%	N/A	0,00%	0,00%	0,00%	0,00%
Networking and remote access tools	25,00%	0,00%	N/A	16,67%	0,00%	10,53%	4,35%
Administration	5,00%	0,00%	N/A	0,00%	0,00%	10,53%	8,70%
Development tools and libraries	0,00%	0,00%	N/A	0,00%	0,00%	5,26%	21,74%

*Table 5: Use of OSS per category (frequency of “U” replies)*

Table 6 gives the frequencies of “P” replies, i.e. whether there is a plan of using that software. From the absolute number of “P” replies of Table 3 we gather that the only significant column of data is that corresponding to Törökbálint, as they provided 29 “P” replies (and their actual adoption of OSS is null). However, it seems that most partners plan to use Open Source either for Office Tools or Desktop Environments.

Finally, we list the most used OSS in partner PAs. In Table 7 we list the ten most used/planned to use OSS. Again, we see that OpenOffice.org, Gnome/KDE and MySQL are the most used applications.



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<b>Software Category</b>	<b>Partners</b>						
	PROGE	SWRA	TO	PP	HK	BH	SGV
Office Productivity Tools	N/A	100,00%	<b>34,48%</b>	0,00%	33,33%	60,00%	N/A
Desktop environment and utilities	N/A	0,00%	<b>17,24%</b>	0,00%	50,00%	40,00%	N/A
Database	N/A	0,00%	<b>17,24%</b>	0,00%	16,67%	0,00%	N/A
CAD/CAM and Geographic Information Systems	N/A	0,00%	<b>6,90%</b>	100,00%	0,00%	0,00%	N/A
Encryption, privacy and security	N/A	0,00%	<b>6,90%</b>	0,00%	0,00%	0,00%	N/A
Networking and remote access tools	N/A	0,00%	<b>3,45%</b>	0,00%	0,00%	0,00%	N/A
Administration	N/A	0,00%	<b>6,90%</b>	0,00%	0,00%	0,00%	N/A
Development tools and libraries	N/A	0,00%	<b>6,90%</b>	0,00%	0,00%	0,00%	N/A

Table 6: Planned use of OSS per category (frequency of “P” replies)

<b>Software</b>	<b>“U” replies (tool is in use)</b>	<b>Software</b>	<b>“P” replies (tool use is planned)</b>
Open Office	6	Firefox	3
Gnome	4	GIMP	2
KDE	4	MySQL	2
MySQL	4	KDE	2
MaxDB	3	Gnome	2
Vnc	3	Clam Antivirus	1
GIMP	3	Nagios	1
Evolution	3	Thunderbird	1
Eclipse	2	Dosemu	1
MySQL Control Center	2	Kopete	1

Table 7: The ten most used/planned to use OSS by the COSPA partners

## Observers' results

In this section we provide the raw results of the questionnaire collected from the COSPA

observers. Tables 8 and 9 provide the actual number of replies to the questionnaire. Also in this case the from the very high numbers of “X” replies we gather that OSS is not much widespread in our partners observers, as far as absolute numbers are concerned. However, there are a few observers which already make much use of OSS (Extremadura, for example).

	<b>Observers ( 1/2 )</b>								
	Extremadura	Comune Feltre	Comune Vedelago	CNIPA	Comune Genova	AN AP RI	Comune Grosseto	Comune Cossato	Comune Biella
<b>Number of questions/tools</b>	181	181	181	181	181	181	181	181	181
<b>“X” replies</b> - Tools never used	149	167	178	176	179	166	154	159	177
<b>“D” replies</b> - Used in the past but not currently in use	5	3	0	1	0	0	0	0	0
<b>“P” replies</b> - Not yet installed but planned to use	1	2	2	0	1	2	19	11	0
<b>“U” replies</b> - Tools currently in use	26	9	1	4	0	13	8	11	4

Table 8: Questionnaire total results from COSPA observers

	<b>Observers (2/2)</b>								
	Provincia Asti	Provincia Bolzano	Provincia Biella	Comune Rijeka	PEUG I	DK K	Comune Riva del Garda	Biblioteca Laives	IST AT
<b>Number of questions/tools</b>	181	181	181	181	181	181	181	181	181
<b>X” replies</b> - Tools never used	170	178	176	179	172	160	168	169	175
<b>“D” replies</b> - Used in the past but not currently in use	0	0	0	0	0	0	0	0	0
<b>“P” replies</b> - Not yet installed but planned to use	2	0	0	1	9	1	0	8	0
<b>“U” replies</b> - Tools currently in use	8	3	5	1	0	19	13	4	6

Table 9: Questionnaire total results from COSPA observers

As we may also see from the percentages provided in Tables 10 and 11, actual adoption of the listed OSS is quite low.

	<i>Observers (1/2)</i>								
	Extremadura	Comune Feltre	Comune Veduggio	CNIPA	Comune Genova	ANAP RI	Comune Grosseto	Comune Cossato	Comune Biella
<b>“X” replies</b> - Tools never used	82,32 %	92,27 %	98,34 %	97,24 %	98,90 %	91,71 %	85,08 %	87,85 %	97,79 %
<b>“D” replies</b> - Used in the past but not currently in use	2,76%	1,66%	0,00%	0,55%	0,00%	0,00%	0,00%	0,00%	0,00%
<b>“P” replies</b> - Not yet installed but planned to use	0,55%	1,10%	1,10%	0,00%	0,55%	1,10%	10,50 %	6,08%	0,00%
<b>“U” replies</b> - Tools currently in use	14,36 %	4,97%	0,55%	2,21%	0,00%	7,18%	4,42%	6,08%	2,21 %

Table 10: Percentages of replies

	<i>Observers (2/2)</i>								
	Provincia Asti	Provincia Bolzano	Provincia Biella	Comune Rijeka	PEUGI	DK K	Comune Riva del Garda	Biblioteca Laives	ISTAT
<b>“X” replies</b> - Tools never used	93,92%	98,34%	97,24%	98,90%	95,03%	88,40 %	92,82%	93,37 %	96,69 %
<b>“D” replies</b> - Used in the past but not currently in use	0,00%	0,00%	0,00%	0,00%	0,00%	0,00 %	0,00%	0,00 %	0,00 %
<b>“P” replies</b> - Not yet installed but planned to use	1,10%	0,00%	0,00%	0,55%	4,97%	0,55 %	0,00%	4,42 %	0,00 %
<b>“U” replies</b> - Tools currently in use	4,42%	1,66%	2,76%	0,55%	0,00%	10,50 %	7,18%	2,21 %	3,31 %

Table 11: Percentages of replies

Table 12 and 13 show the frequencies of “U” replies, thus giving the cumulative rate of use for each category of software. We see that, as for the COSPA partners, Observers mostly use OSS for desktop applications and databases.

<b>Software Category</b>	<b>Observers (1/2)</b>								
	Extremadura	Comune Feltre	Comune Veduggio	CNIPA	Comune Genova	ANAP RI	Comune Grosseto	Comune Cossato	Comune Biella
Office Productivity Tools	38.46 %	11.54 %	0.0%	3.85 %	0.0%	19.23 %	11.54 %	15.38 %	3.85%
Desktop environment and utilities	23.08 %	7.69%	0.0%	0.0%	0.0%	11.54	0.0%	7.69%	3.85%
Database	11.54 %	3.85%	0.0%	7.69%	0.0%	7.69%	3.85%	7.69%	7.69%
CAD/CAM and Geographic Information Systems	3.85%	0.0%	0.0%	0.0%	0.0%	0.0%	3.85%	3.85%	0.0%
Encryption, privacy and security	3.85%	3.85%	0.0%	0.0%	0.0%	0.0%	0.0%	3.85%	0.0%
Networking and remote access tools	3.85%	3.85%	3.85 %	0.0%	0.0%	3.85%	3.85%	3.85%	0.0%
Administration	11.54 %	0.0%	0.0%	3.85%	0.0%	7.69%	3.85%	0.0%	0.0%
Development tools and libraries	3.85%	3.85	0.0%	0.0%	0.0%	0.0%	3.85%	0.0%	0.0%

*Table 12: Use of OSS per category (frequency of “U” replies)*

<b>Software Category</b>	<b>Observers (2/2)</b>								
	Provinc ia Asti	Provin cia Bolzan o	Provinc ia Biella	Comun e Rijeck a	PEU GI	DKK	Comun e Riva del Garda	Bibliot eca Laives	ISTAT
Office Productivity Tools	1538,00 %	385,00 %	1538,0 0%	385,00 %	0,00 %	1923,0 0%	1538,00 %	385,00 %	1154,0 0%
Desktop environment and utilities	769,00 %	385,00 %	0,00%	0,00%	0,00 %	1923,0 0%	1538,00 %	385,00 %	385,00 %
Database	0,00%	0,00%	0,00%	0,00%	0,00 %	1154,0 0%	385,00 %	769,00 %	769,00 %
CAD/CAM and Geographic Information Systems	0,00%	385,00 %	385,00 %	0,00%	0,00 %	0,00%	0,00%	0,00%	0,00%
Encryption, privacy and security	0,00%	0,00%	0,00%	0,00%	0,00 %	0,00%	0,00%	0,00%	0,00%
Networking and remote access tools	0,00%	0,00%	0,00%	0,00%	0,00 %	1154,0 0%	1154,00 %	0,00%	0,00%
Administration	769,00 %	0,00%	0,00%	0,00%	0,00 %	1154,0 0%	385,00 %	0,00%	0,00%
Development tools and libraries	0,00%	0,00%	0,00%	0,00%	0,00 %	0,00%	0,00%	0,00%	0,00%

*Table 13: Use of OSS per category (frequency of “U” replies)*

In Tables 14 and 15 we show the planned use of OSS (frequency of “P” replies). Without much surprise we find that most Observers plan to use OSS for Office Productivity and Desktop Environments.

Table 16 ranks the ten most used/planned to use OSS. OpenOffice.org is by far the most used application, followed by an varied set of other OSS. It is worth to mention the databases field, which features two entries. As far as planned to use OSS is concerned, there is a cumulative win by desktop tools; the only exception is the GRASS tool for GIS applications.

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<b>Software Category</b>	<b>Observers (1/2)</b>								
	Extrema dura	Comu ne Feltre	Comu ne Vedel ago	CNI PA	Comu ne Genov a	ANAP RI	Comun e Grosset o	Comun e Cossato	Comune Biella
Office Productivity Tools	100.00%	0.0%	0.0%	0.0%	0.0%	0.0%	47.37%	0.0%	0.0%
Desktop environment and utilities	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.79%	9.09%	0.0%
Database	0.0%	0.0%	50.0%	0.0%	0.0%	100.0%	5.26%	9.09%	0.0%
CAD/CAM and Geographic Information Systems	0,00%	500,00%	0,00%	0,00%	100,00%	0,00%	526,00%	909,00%	0,00%
Encryption, privacy and security	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	1053,00%	1818,00%	0,00%
Networking and remote access tools	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	1053,00%	1818,00%	0,00%
Administration	0,00%	500,00%	500,00%	0,00%	0,00%	0,00%	526,00%	3636,00%	0,00%
Development tools and libraries	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%

Table 14: Use of OSS per category (frequency of "P" replies)

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<b>Software Category</b>	<b>Observers (2/2)</b>								
	Provincia Asti	Provincia Bolzano	Provincia Biella	Comune Rijecka	PEUGI	DKK	Comune Riva del Garda	Biblioteca Laives	ISTAT
Office Productivity Tools	1000,00 %	0,00 %	0,00 %	1000,00 %	5556,00 %	1000,00 %	0,00 %	750,00 %	0,00 %
Desktop environment and utilities	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %
Database	0,00 %	0,00 %	0,00 %	0,00 %	2222	0,00 %	0,00 %	0,00 %	0,00 %
CAD/CAM and Geographic Information Systems	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	1250,00 %	0,00 %
Encryption, privacy and security	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	0,00 %	1250,00 %	0,00 %
Networking and remote access tools	0,00 %	0,00 %	0,00 %	0,00 %	1111	0,00 %	0,00 %	0,00 %	0,00 %
Administration	0,00 %	0,00 %	0,00 %	0,00 %	1111	0,00 %	0,00 %	0,00 %	0,00 %
Development tools and libraries	0,00 %	0,00 %	0,00 %	0,00 %	0	0,00 %	0,00 %	0,00 %	0,00 %

*Table 15: Use of OSS per category (frequency of “P” replies)*

<i>Software</i>	<i>“U” replies (tool is in use)</i>	<i>Software</i>	<i>“P” replies (tool use is planned)</i>
Open Office	13	GRASS	4
KDE	8	Amanda	3
Gimp	7	Gnumeric	3
MySQL	7	Firefox	2
Vnc	7	Gimp	2
PostgresSQL	6	Opensign	2
Wine	5	Opensignature	2
Firefox	5	Partition Image	2
Gnome	5	MySQL Control Center	2
Thunderbird	4	Gnome	2

*Table 16: The ten most used/planned to use OSS for observers*



## 4Detailed catalogue of Open Source tools

In this section we present the tools available, organized according to the categorisation presented in Chapter 1. For each tool, we supply seven entries, intended to provide interested readers with all the details needed to understand whether the tool could be of relevance for them, to determine whether to install the tool, and then, to gather information to become operational on the tool. The entries are:

### 1. Purpose of the tool

It is not possible to have a comprehensive knowledge of all the open source tools available for personal productivity – this is a very large set. Therefore, some of the information has been taken from the tools' web-sites. However, since this is intended to be a live document to be located on the COSPA Knowledge Base, information will be updated by the real use on the field of such tools all around the world.

### 2. Current development status

### 3. The platforms on which it works

When there is a reference to POSIX, it is intended a portable operating system interface for computer environments. A Federal Information Processing Standard Publication (FIPS PUB 151-1) for a vendor-independent interface between an operating system and an application program, including operating system interfaces and source code functions (IEEE Standard 1003.1-1988 was adopted by reference and published as FIPS PUB 151-1).

### 4. Intended audience divided into:

<b>Users</b>	<b>Administration</b>
Developers	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government
Expert Users	
End Users	

### 5. Location for download

### 6. Requirements for training people using the tools

### 7. Requirements to install and maintain the tool

### 8. Available documentation

We first examine the complete suites, and then we pass to text processors and publishing tools, spreadsheet, personal or project assistants, e-mail clients, graphics, and hypermedia. When a tool is part of an office suite, it is not replicated in the other categories -for instance OpenOffice.org Writer is not listed as text processor as it is already part of the OpenOffice.org suite.

## **A. Administrative Workflow and Workload management**

### **A.1 Office suites**

#### **A.1.1 Koffice**

##### ***Purpose of the tool***

KOffice is an office suite for KDE, the K Desktop Environment. It provides a word processor, a spreadsheet application, a presentation program.

##### ***Current development status***

Version 1.3.2 Released 08/07/2004

##### ***The platforms on which it works***

BSD, IRIX, Sun/Solaris

##### ***Location for download***

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

##### ***Intended audience***

<b>Users</b>	<b>Administration</b>
End Users	Municipal authorities
	Provincial administration
	Central government

##### ***Requirements for training people using the tools***

While most of the applications resemble the commercial counterparts or similar office suites like OpenOffice.org, there are some notable differences that may increase the training time. For example, Kword (the word processing application) uses a frame-based approach that resembles more a desktop publishing system than the usual word processing package.

##### ***Requirements to install and maintain the tool***

Minimal, as usually is pre-installed with full KDE installation in most distributions.

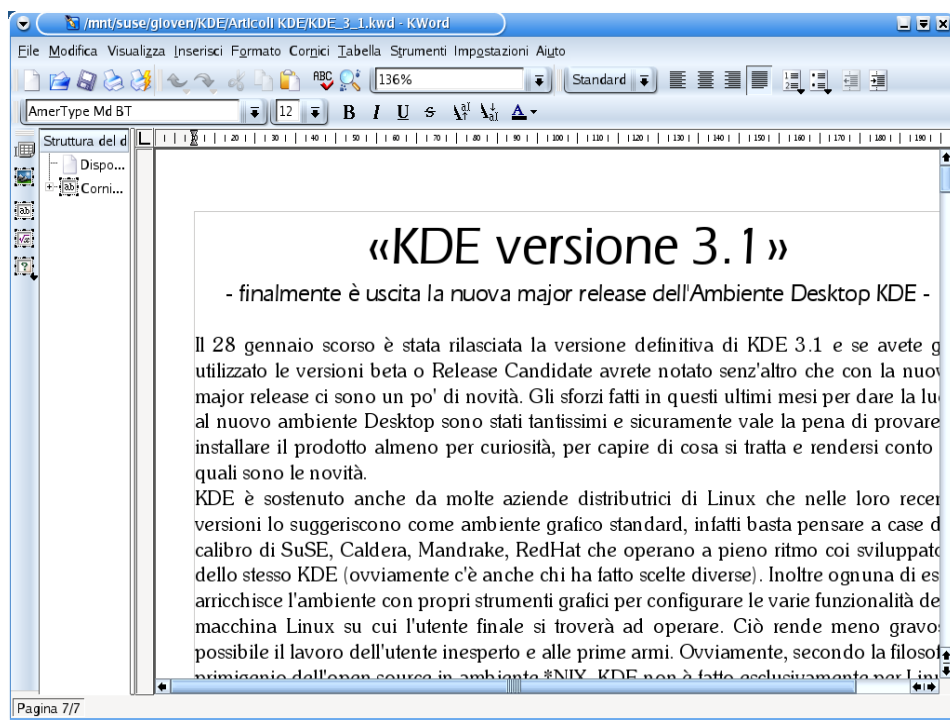
##### ***Available documentation***

Help files in the application

##### ***License***

The license is claimed to be mostly GPL and LGPL. Additional details are at URL: <http://developer.kde.org/policies/licensepolicy.html>

(image source: <http://www.koffice.org/kword/screenshots.php>)



### **A.1.2 OOviewer**

#### **Purpose of the tool**

Ooviewer is a platform-independent viewer of files created in OpenOffice.org Writer, OpenOffice.org Impress, OpenOffice.org Calc. It is a Java based application.

#### **Current development status**

No information

#### **The platforms on which it works**

OS Independent

#### **Intended audience**

Users	Administration
End Users	Municipal authorities
	Provincial administration
	Central government

#### **Location for download**

[http://os.up.edu.ph/modules.php?name=Downloads&d\\_op=getit&lid=27](http://os.up.edu.ph/modules.php?name=Downloads&d_op=getit&lid=27)

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Java Jar binary packages are available.

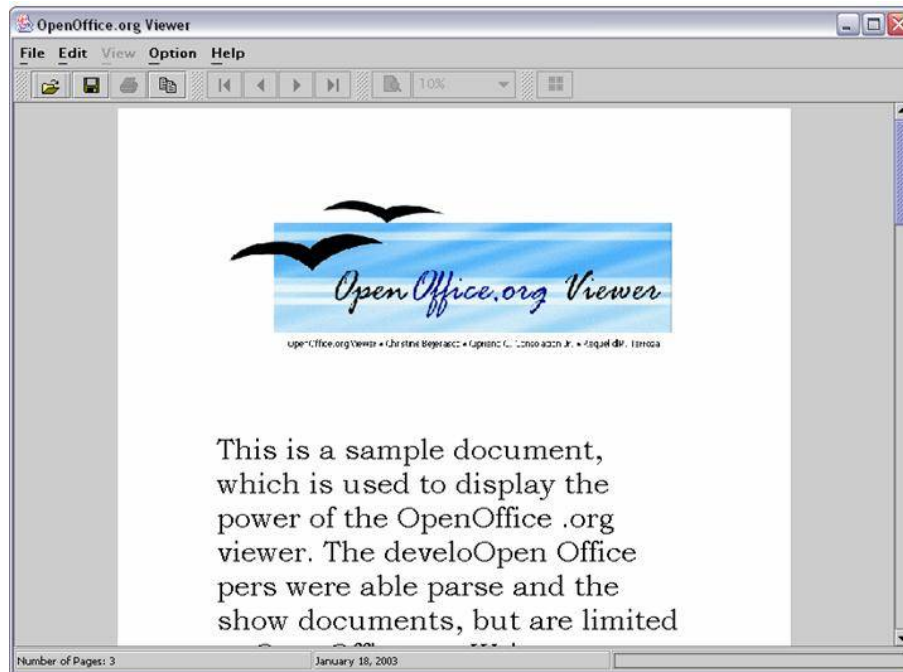
#### **Available documentation**

<http://www.engg.upd.edu.ph/%7Eooview/>

#### **License**

Free download without additional licensing indications.

(image source: <http://www.engg.upd.edu.ph/~ooview/Screenshots.htm> )



### **A.1.2 Open Office**

#### **Purpose of the tool**

OpenOffice.org is an integrated office productivity suite. Among others it contains a component for creating documents, a spreadsheet application, tools for creating multimedia presentations and diagrams. It can interface itself with dBASE, ODBC/JDBC compliant databases.

It supports open file formats like PDF, XHTML, DocBook, and XML.

#### **Current development status**

Version 1.1.2 01/06/2004

#### **The platforms on which it works**

Windows, GNU/Linux ("Linux"), Sun Solarix, MacOS X (Uncer X11 and FreeBSD)

*Location for download*

<http://download.openoffice.org/1.1.2/index.html>

#### **Intended audience**

Users	Administration
End Users	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Similar to those of proprietary office suites. It is similar enough that most courses are directly applicable to the study of OpenOffice. It is possible to estimate training time for migration from competing suite in 4 hours for basic functionality (all parts of the suite), 16 hours for more advanced use.

#### **Requirements to install and maintain the tool**

The package has an easy-to-use installation procedure. Some external contributors (Ximian) have developed alternative packages, including RPM-based installations.

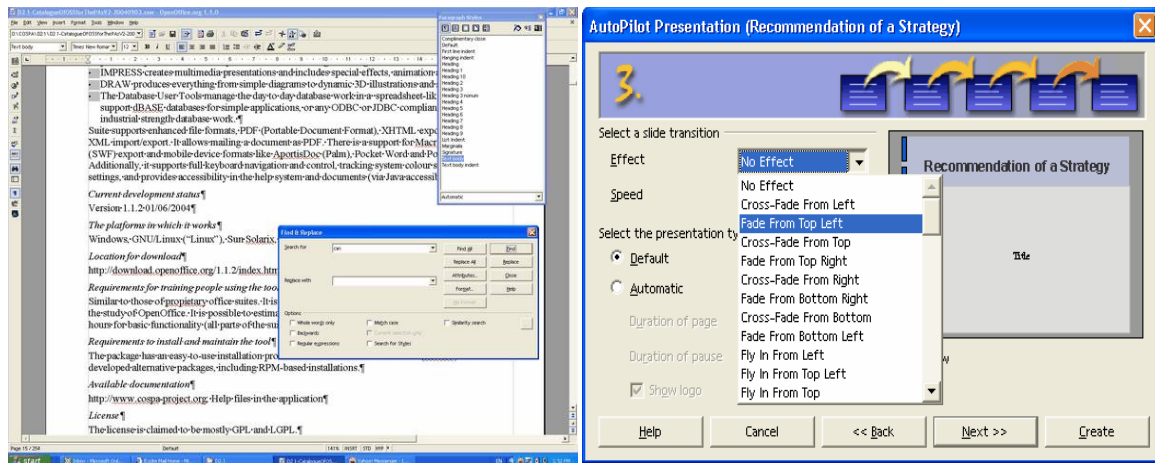
#### **Available documentation**

<http://www.cospa-project.org>; Help files in the application

#### **License**

The license are claimed to be GPL, LGPL and SISSL.  
(image source: <http://www.openoffice.org/screenshots/>)

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## **A.2 Desktop environment**

### **A.2.1 Gnome**

#### ***Purpose of the tool***

The GNOME is a window-based desktop environment. It features the GNOME development platform, an extensive framework for building applications that integrate into the rest of the desktop. It supports multiple languages and accessibility tools.

#### ***Current development status***

Version 2.6.2 released 28/06/2004

#### ***The platforms on which it works***

GNU/Linux, Solaris, HP-UX, BSD and Apple's Darwin

#### ***Location for download***

<http://www.gnome.org>

#### ***Intended audience***

<b>Users</b>	<b>Administration</b>
End Users	Municipal authorities
	Provincial administration
	Central government

#### ***Requirements for training people using the tools***

As a complete desktop, it requires an estimate 4 hours for basic usage, 12 hours for in-depth knowledge.

#### ***Requirements to install and maintain the tool***

It gets pre-installed in many recent Linux distributions.

#### ***Available documentation***

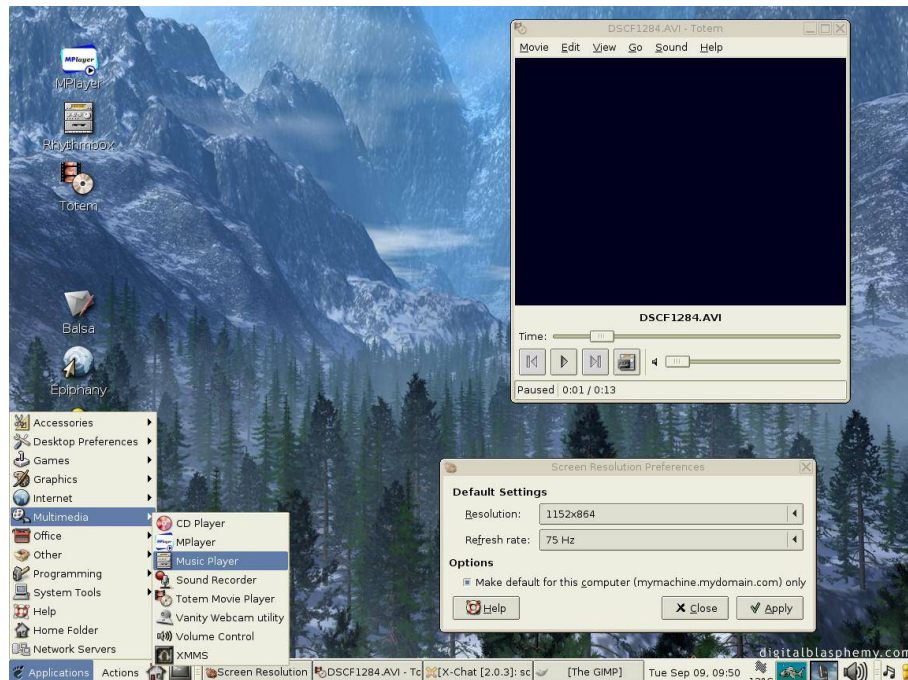
<http://developer.gnome.org/doc/tutorials/#gnome2>

#### ***License***

The license is claimed to be GNU GPL.

(image source: <http://ftp.gnome.org/pub/GNOME/teams/marketing/en/2004/two-eight-screenshots/html/index.html> )

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### **A.2.2 Jd4x**

#### **Purpose of the tool**

JD4X is a project for building and extending a Java-based desktop system on top of the X window System. It allows Java Jar and class files to be executed like a native application. It is targeted at programmers and is used to provide improved integration with existing applications.

#### **Current development status**

Version 0.2 released 19/05/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

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

#### **Intended audience**

Users	Administration
End Users	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

Binary packages are available. Requires J2SDK v1.4 or higher, X window system v4 or higher, Linux x86 kernel v2.4 or higher, and numerous GNU system tools.

#### **Available documentation**

<http://jdx.sourceforge.net/jd4x-doc/index.html>

#### **License**

The license is claimed to be GNU GPL.

### **A.2.3 KDE**

#### **Purpose of the tool**

KDE is a desktop environment for UNIX systems. It allows consistent look and feel for all KDE applications. It is completely network transparent, and includes an integrated help system. It is composed of standardized menu and toolbars, keybindings, color-schemes, etc. It allows internationalization and centralized consistent dialogue-driven desktop configuration. Many applications are available for the KDE environment.

#### **Current development status**

Version 3.3 Released 19/08/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://www.kde.org>

#### **Intended audience**

Users	Administration
End Users	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

As a complete desktop, it requires an estimate 4 hours for basic usage, 12 hours for in-depth knowledge.

#### **Requirements to install and maintain the tool**

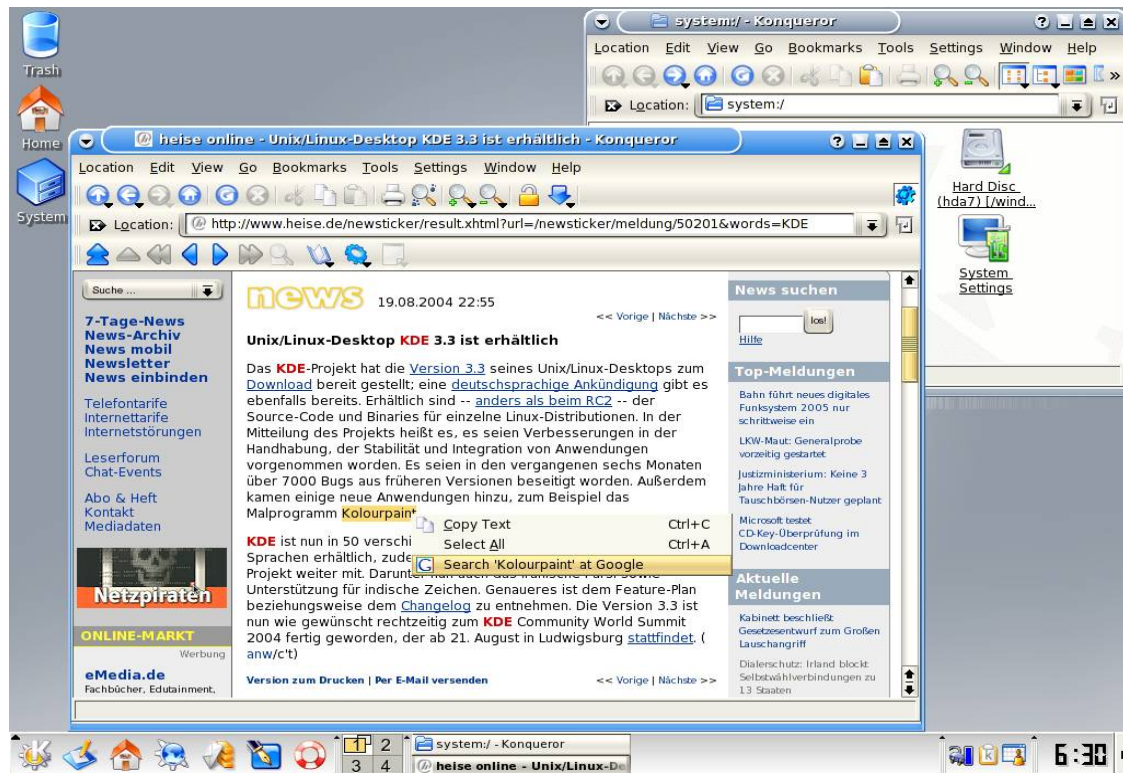
It gets pre-installed in many recent Linux distributions. Provides support for special, locked-down modes called “kiosk” that allows administrators to reduce tampering by users, selectively allowing or denying actions on the desktop.

#### **Available documentation**

<http://docs.kde.org>

#### **License**

The licenses are claimed to be GNU GPL and LGPL.  
(image source: <http://www.kde.org/screenshots/> )



## **A.2.4 Cooperative Linux**

### **Purpose of the tool**

Cooperative Linux (coLinux) is a Linux emulator on Microsoft Windows. It uses a port of the Linux kernel that enables it to run cooperatively alongside another operating system on a single machine. It permits running Linux applications on Windows 2000/XP.

### **Current development status**

Version 0.6.1-2.4.26 Beta 28/05/2004

### **The platforms on which it works**

Windows NT/2000, OS Independent, Linux

### **Location for download**

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

### **Intended audience**

Users	Administration
End Users	Municipal authorities
	Provincial administration
	Central government

### **Requirements for training people using the tools**

Minimal.

### **Requirements to install and maintain the tool**

While the package is available in binary form, some additional effort is required for correct functionality of some part (like networking and graphics).

### **Available documentation**

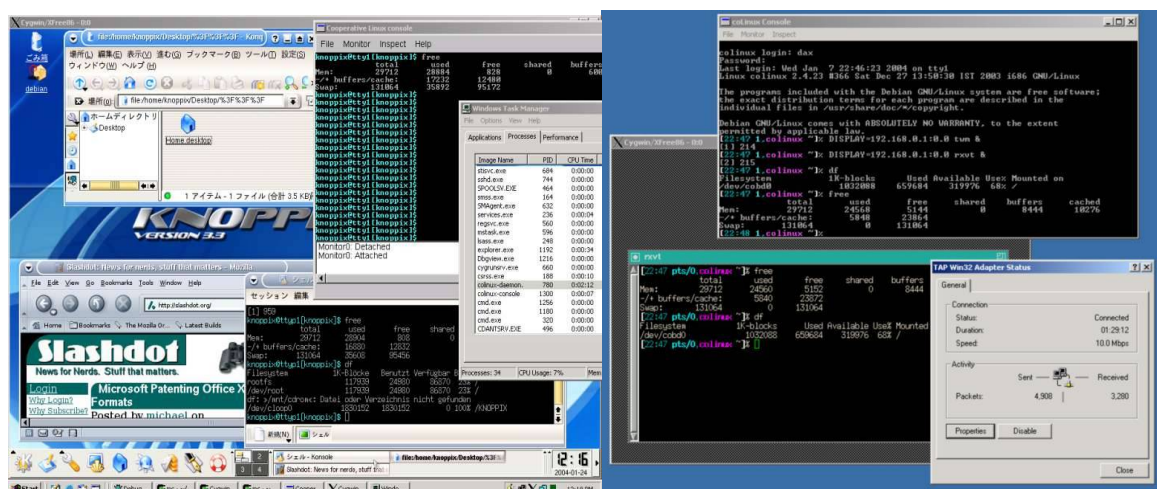
<http://www.colinux.org/wiki/index.php/GettingStartedLong>

### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.colinux.org/?section=screenshots> )

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### **A.2.5 Dosemu**

#### **Purpose of the tool**

DOSEMU is an acronym for DOS Emulation. It is a Linux application that allow the Linux OS to run various DOS programs.

#### **Current development status**

Version 1.2.2 released 11/07/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

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

#### **Intended audience**

Users	Administration
End Users	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Binary packages are available for all major Linux distributions. Creation of the initial configuration file may be complex, depending on the number of features that need to be emulated in the DOS box.

#### **Available documentation**

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

#### **License**

The license is claimed to be GNU GPL.



## **A.2.6 Hercules**

### **Purpose of the tool**

Hercules is an implementation of the mainframe System/370, ESA/390, and of the new 64-bit z/Architecture. Hercules runs under Linux, Windows 98, Windows NT, Windows 2000, Windows XP, and Mac OS X 10.2 and later. It allows dynamic reconfiguration and interpretive execution. Additionally, it includes integrated console, and z/Architecture support.

### **Current development status**

Version 3.0.1 released 30/11/2003

### **The platforms on which it works**

POSIX, Windows

### **Location for download**

<http://www.conmicro.cx/hercules>

### **Requirements for training people using the tools**

Minimal

### **Intended audience**

Users	Administration
Expert Users	Municipal authorities
Software Integrators	Provincial administration
	Central government

### **Requirements to install and maintain the tool**

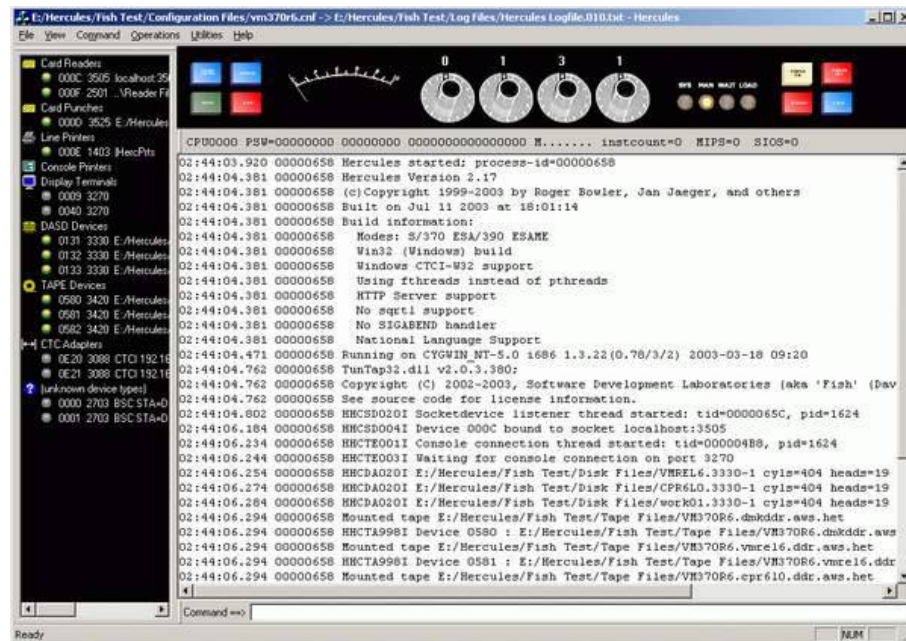
RPM binaries are available.

### **Available documentation**

<http://www.conmicro.cx/hercules/>

### **License**

The license is claimed to be GNU QPL. More information on: <http://www.conmicro.cx/hercules/hercllc.html>  
(image source: <http://www.bsp-gmbh.com/hercules/wingui/hercgui-index.html> )



### **A.2.7 Qemu**

#### **Purpose of the tool**

QEMU is a processor emulator. It is used to provide vmware-like functionality to host other operating systems and applications.

#### **Current development status**

Version 0.6.0 Released 10/07/2004

#### **The platforms on which it works**

POSIX, MacOS

#### **Location for download**

<http://fabrice.bellard.free.fr/qemu/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Binary packages are available for Linux

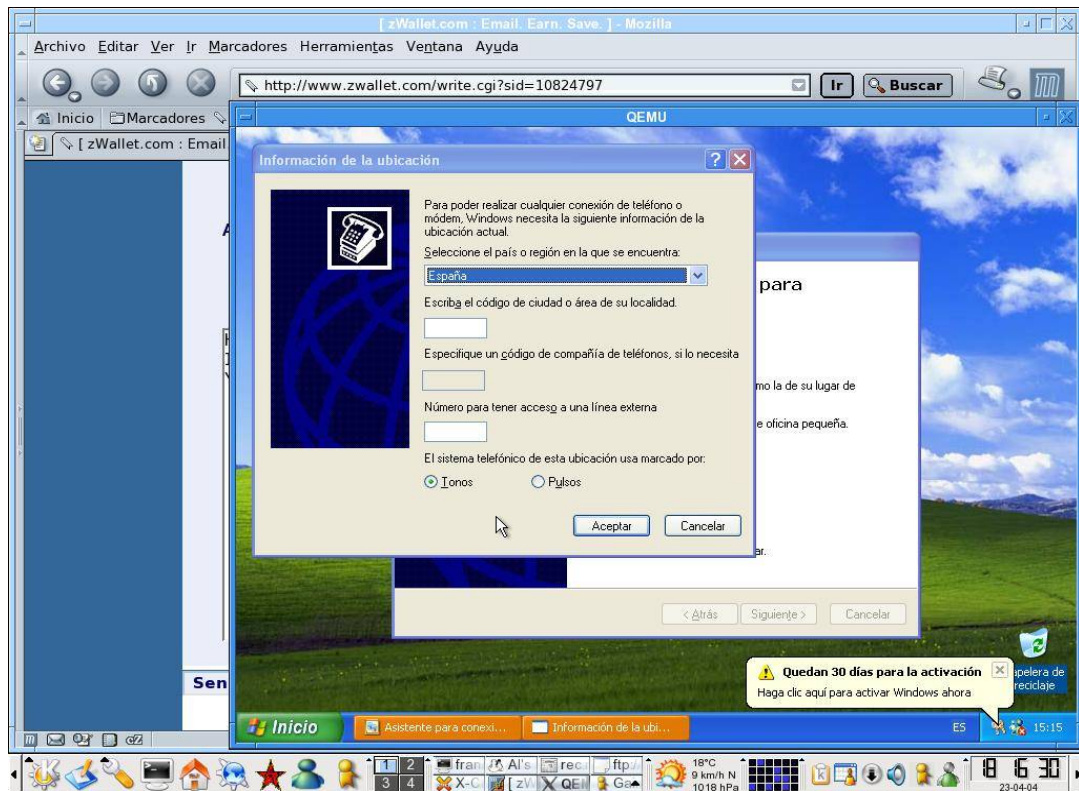
#### **Available documentation**

<http://fabrice.bellard.free.fr/qemu/qemu-doc.html>

#### **License**

The license is claimed to be GNU GPL and LGPL.

(image source: <http://am.xs4all.nl/phpwiki/index.php/Qemu> )



### **A.2.8 Simh**

#### **Purpose of the tool**

Simh is a VAX architecture emulator. It is used for maintaining legacy systems and moving them to new hardware architectures.

#### **Current development status'**

Version 3.2-2 17/07/04

#### **The platforms on which it works**

OpenVMS/VAX, OpenVMS/Alpha, Windows 9x/2000/ XP, Mac OS/X, Linux, Tru64 UNIX, AIX, Solaris, HP/UX, NetBSD, OpenBSD, FreeBSD, OS/2

#### **Location for download**

<http://simh.trailing-edge.com/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Source code compilation is required for install under Linux, binary packages are available for windows.

#### **Available documentation**

<http://simh.trailing-edge.com/help.html>

#### **License**

The license is claimed to be a modified X-Windows license. More information on: [http://simh.trailing-edge.com/simh\\_faq.txt](http://simh.trailing-edge.com/simh_faq.txt)

### **A.2.9 Wine**

#### **Purpose of the tool**

Wine is the open source alternative for the Windows API on top of X and Unix. It does not require Microsoft Windows, but it can optionally use native system DLLs, if they are available. Wine provides both a development toolkit (WineLib) for porting Windows sources to Unix and a program loader, allowing many unmodified Windows binaries to run on x86-based Unixes, including Linux, FreeBSD, and Solaris.

#### **Current development status**

Version 0.9 Released 13/08/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

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

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

RPM binaries are available. Creation of the configuration file may require significant effort.

#### **Available documentation**

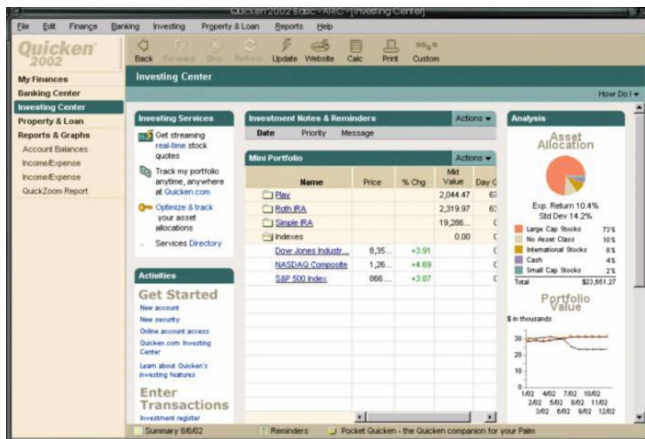
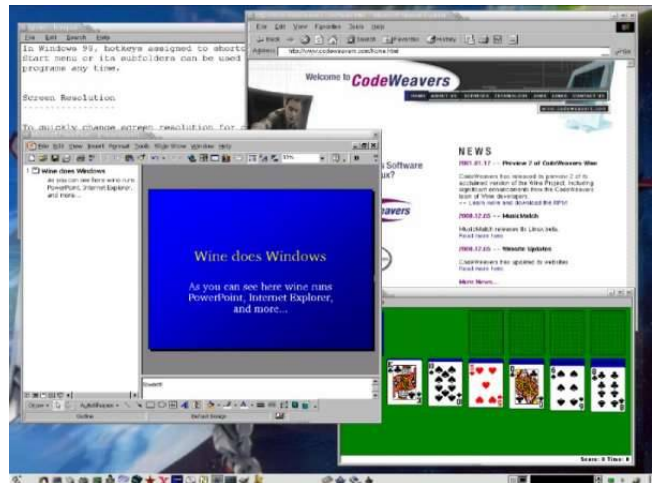
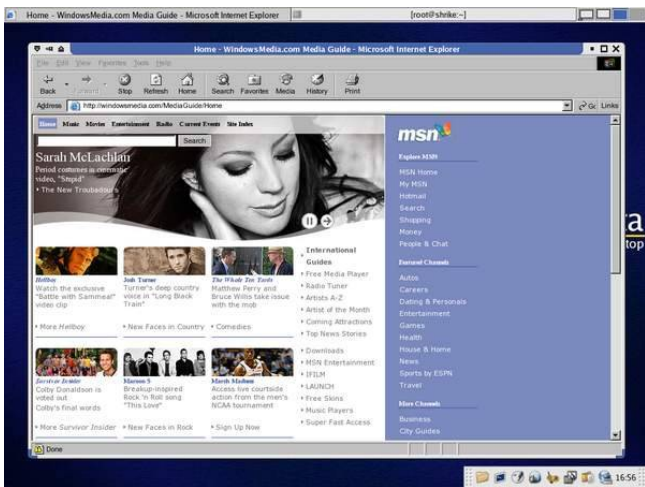
<http://www.winehq.org/site/documentation>

#### **License**

The license is claimed to be LGPL.

(image source: Conecta, <http://www.winehq.com/site?ss=1> )

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### **A.2.10 DataWorkshop**

#### **Purpose of the tool**

DataWorkshop is an editor to view and modify binary data. The editor provides different views ,which can be used to edit, analyse and export the binary data. Views can be filtered using the XPath query language.

#### **Current development status**

Version 1.1.1 released 12/07/2004

#### **The platforms on which it works**

Windows, Linux, MacOS

#### **Location for download**

<http://www.dataworkshop.de/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
Software Integrators	Central government

#### **Requirements for training people using the tools**

Less than 1 hour

#### **Requirements to install and maintain the tool**

Java binary packages are available.

#### **Available documentation**

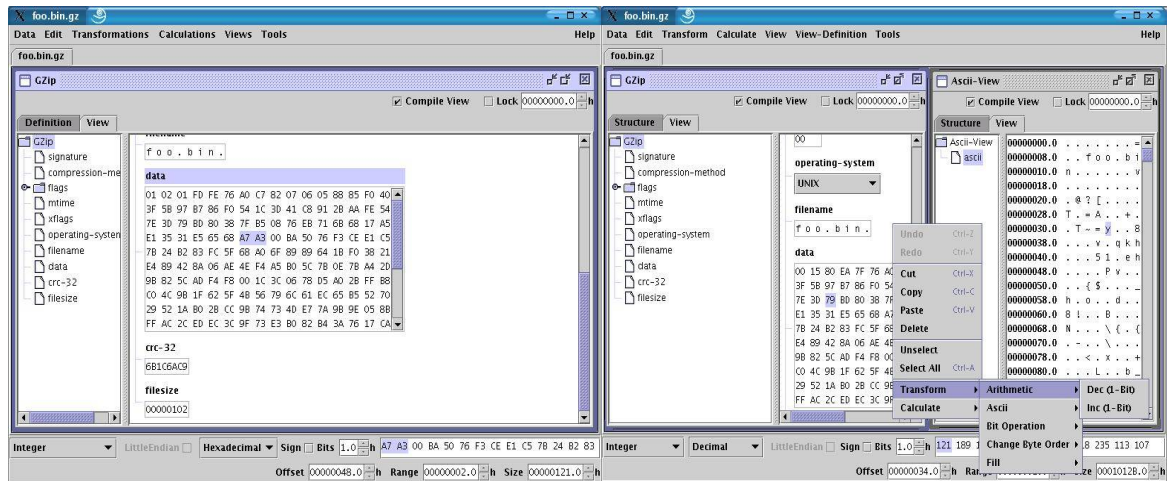
Application >> toc.html

#### **License**

This tool is freeware. More information on: <http://www.dataworkshop.de>  
(image source: <http://www.dataworkshop.de/> )



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### **A.2.11 Fontilus**

#### **Purpose of the tool**

Fontilus is an application that manages system fonts. It is extension for Nautilus (the official file manager for the GNOME desktop).

#### **Current development status**

Version 0.4 Released 15/02/2004

#### **The platforms on which it works**

POSIX

*Location for download*

<http://ftp.gnome.org/pub/GNOME/sources/fontilus/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Available as RPM packages.

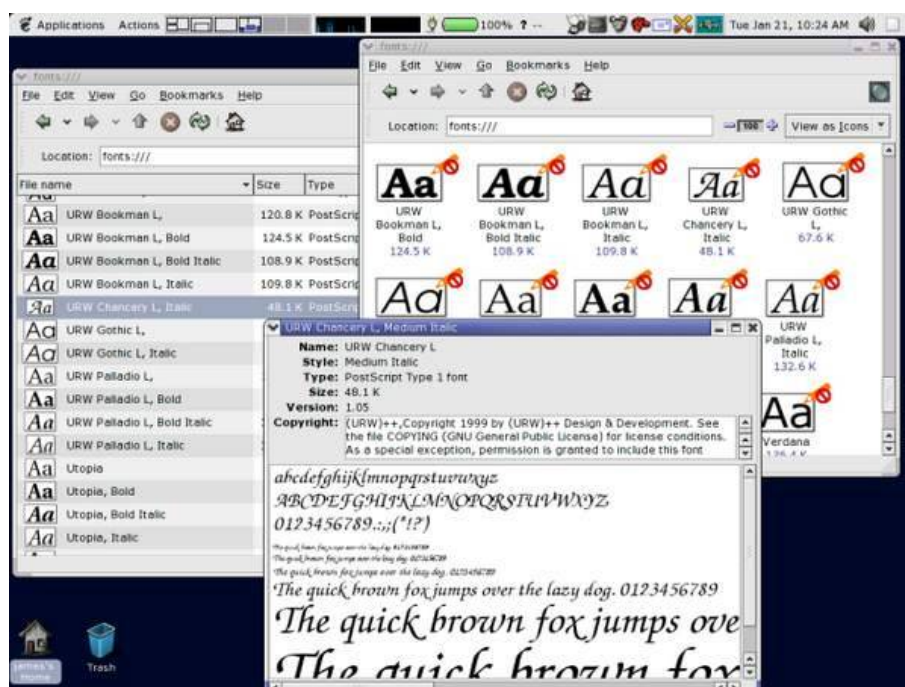
#### **Available documentation -manual pages**

<http://www.polarhome.com:793/manual/fontilus-0.3/>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.jamesh.id.au/software/fontilus/> )



## **A.2.12 Gclipper**

### **Purpose of the tool**

GClipper is a clipboard application that stores selections in a history. It shows a list view with the fetched selections and allows the visualization of their details. The history can be inspected and its entries can be used for paste operations.

### **Current development status**

Version 1.1 alpha 11/10/1999

### **The platforms on which it works**

POSIX

### **Location for download**

<http://freshmeat.net/projects/gclipper/>

### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
Software Integrators	Central government
Expert Users	

### **Requirements for training people using the tools**

Minimal.

### **Requirements to install and maintain the tool**

Available as RPM packages.

### **Available documentation**

Not available.

### **License**

The license is claimed to be GNU GPL.

### **A.2.13 GNOME Clipboard Deamon**

#### **Purpose of the tool**

The GNOME Clipboard Manager daemon keeps the content of the X clipboard in memory, so the clipboard is not lost even after the application the user copied from is closed. It is a daemon (no GUI) and it runs in the background. The GNOME Clipboard Manager applet is a Panel applet for controlling the daemon from the GNOME 2 Panel.

#### **Current development status**

Version 1.0 Beta. -

#### **The platforms on which it works**

Linux with Gnome environment

#### **Location for download**

<http://members.chello.nl/~h.lai/gnome-clipboard-daemon/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
Software Integrators	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

Minimal.

#### **Requirements to install and maintain the tool**

RPM packages are available.

#### **Available documentation**

Not available.

#### **License**

No information found.

### **A.2.14 Gnome Multires**

#### **Purpose of the tool**

Gnome Multires is a tool for setting the screen resolution and refresh rate. It runs as an applet for the Gnome 2 panel.

#### **Current development status**

Version 0.4-beta 02/10/2003

#### **The platforms on which it works**

POSIX

#### **Location for download**

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

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
Software Integrators	Central government
Expert Users	

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

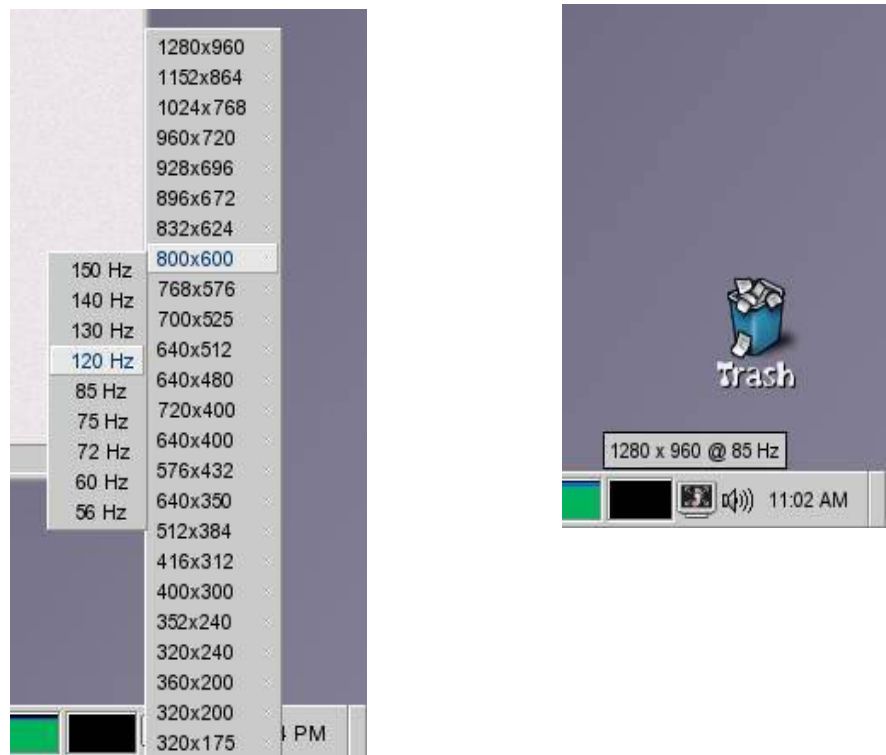
RPM packages are available.

#### **Available documentation**

Not available – application easy to use.

#### **License**

The license is claimed to be GNU GPL.  
(image source: <http://multires.sourceforge.net/> )



### **A.2.15 K3b**

#### **Purpose of the tool**

K3b is a CD and DVD burning application for Linux systems running KDE. It provides a user interface to perform most CD/DVD burning tasks like creating an audio CD from a set of audio files or copying a CD. The actual operations are performed by command line utilities like cdrrecord, cdrdao, and growisofs.

#### **Current development status**

Version 0.11.14 Released 10/08/2004

#### **The platforms on which it works**

Linux with KDE

*Location for download*

<http://k3b.plainblack.com/index.pl/download>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

Basic CD mastering: less than 1 hour. More sophisticated usage: 4 hours.

#### **Requirements to install and maintain the tool**

RPM packages are available. Included in many recent Linux distributions.

#### **Available documentation**

<http://k3b.plainblack.com/index.pl/faq>

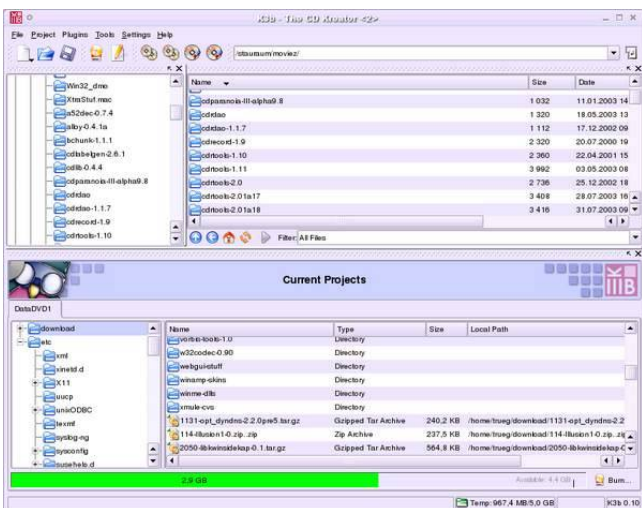
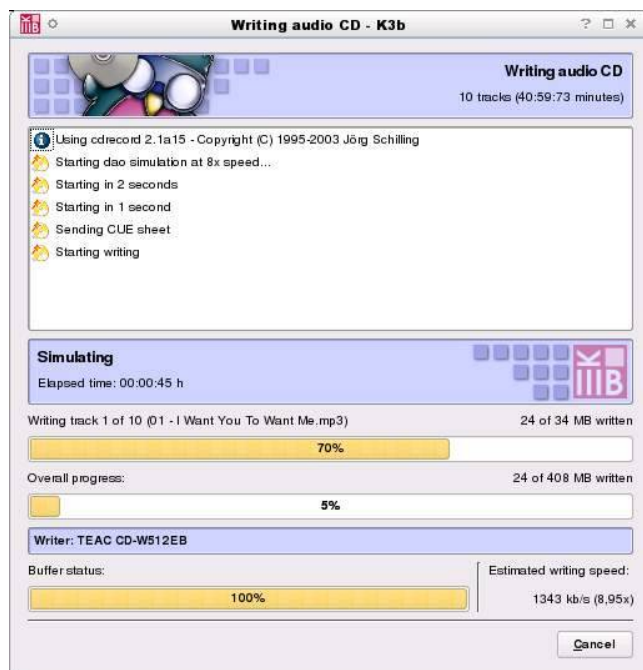
#### **License**

The license is claimed to be GNU GPL.

(image source: <http://k3b.plainblack.com/index.pl/screenshots> )



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## **A.2.16 KFontinst**

### **Purpose of the tool**

KFontinst is a KDE installer for TrueType and Type1 fonts. It offers font preview, can generate a Ghostscript Fontmap file, can be configured from StarOffice, and can generate AFM files for use with StarOffice & AbiWord.

### **Current development status**

Version 0.1011-beta, 16/08/2001

### **The platforms on which it works**

POSIX

### **Location for download**

<http://www.cpdrummond.uklinux.net/kfontinst/> (now part of the official KDE packages to be found within the kdbase package)

### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

### **Requirements for training people using the tools**

Minimal

### **Requirements to install and maintain the tool**

Installed with the base KDE packages.

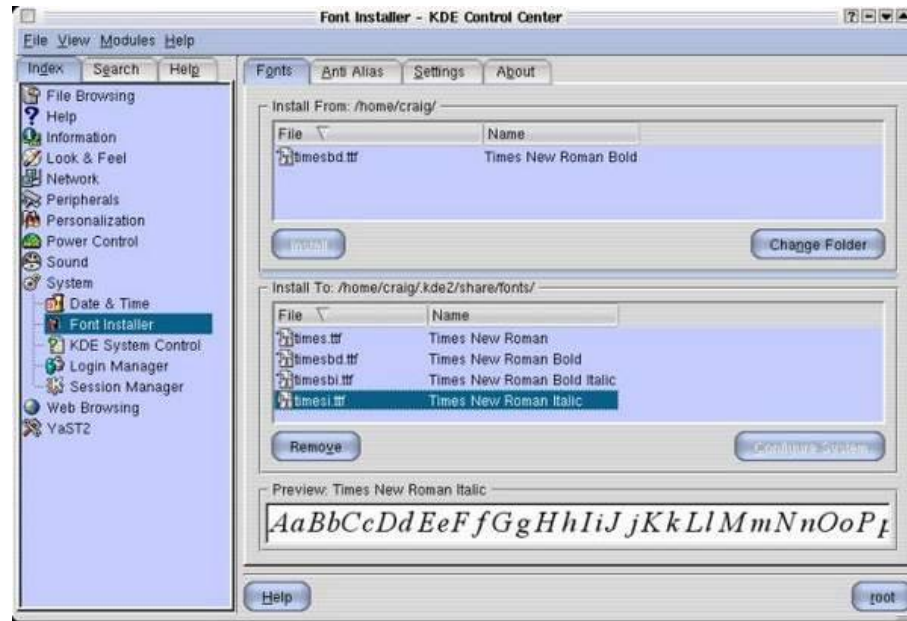
### **Available documentation**

<http://www.cpdrummond.uklinux.net/kfontinst/docs/font-installer.html>

### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.cpdrummond.uklinux.net/kfontinst/> )



### **A.2.17 Kpreg**

#### **Purpose of the tool**

Kpreg is a helper application for entering commonly-required data (such as name, email and address) in web forms and other programs.

#### **Current development status**

Version 1.5 released 3/11/2004

#### **The platforms on which it works**

POSIX with KDE

#### **Location for download**

<http://kpreg.codigolivre.org.br/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

RPM packages are available.

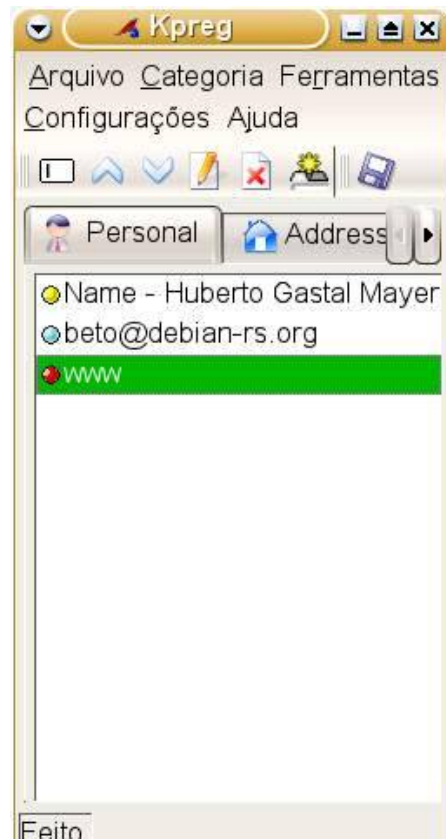
#### **Available documentation**

<http://kpreg.codigolivre.org.br/>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://kpreg.codigolivre.org.br/screenshots.php> )



### **A.2.18 Kpopup**

#### **Purpose of the tool**

KPopup is a GUI-based tool for sending and receiving Microsoft Windows pop-up messages.

#### **Current development status**

Version 0.9.7 released 20/06/2004

#### **The platforms on which it works**

Linux KDE, Windows

#### **Location for download**

[http://www.henschelsoft.de/kpopup\\_download.html](http://www.henschelsoft.de/kpopup_download.html)

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

RPM packages are available.

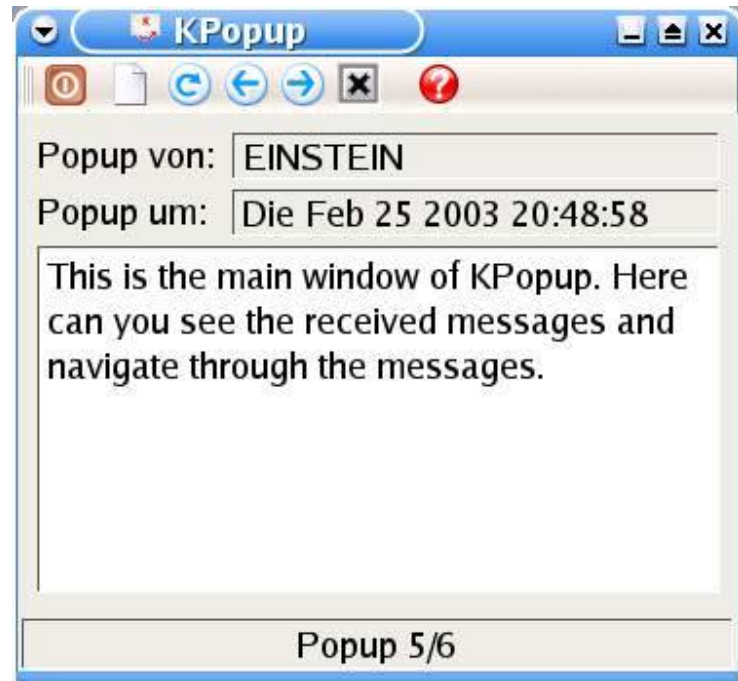
#### **Available documentation**

Not available – application is an easy-to-use desktop utility.

#### **License**

The license is claimed to be GNU GPL.

(image source: [http://www.henschelsoft.de/kpopup\\_en.html](http://www.henschelsoft.de/kpopup_en.html) )



## **A.2.19 Krename**

### ***Purpose of the tool***

Krename is a KDE3 tool for renaming/copying and moving files. A list of files is renamed based on a set of expressions. Supported operations include conversion of a file name to lower case or to upper case, conversion of the first letter of every word to upper case, adding numbers to file names, finding and replacing parts of the file name. It allows access, modification dates, permissions, and file ownership information change.

### ***Current development status***

Version 3.0.2 09/08/2004 (GNU GPL license)

### ***The platforms on which it works***

Linux SuSe & Redhat

*Location for download*

<http://www.krename.net/Download.3.0.html>

### ***Intended audience***

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert users	
End Users	

### ***Requirements for training people using the tools***

Less than one hour

### ***Requirements to install and maintain the tool***

RPM binary packages are available

### ***Available documentation***

<http://www.krename.net/Documentation.20.0.html>

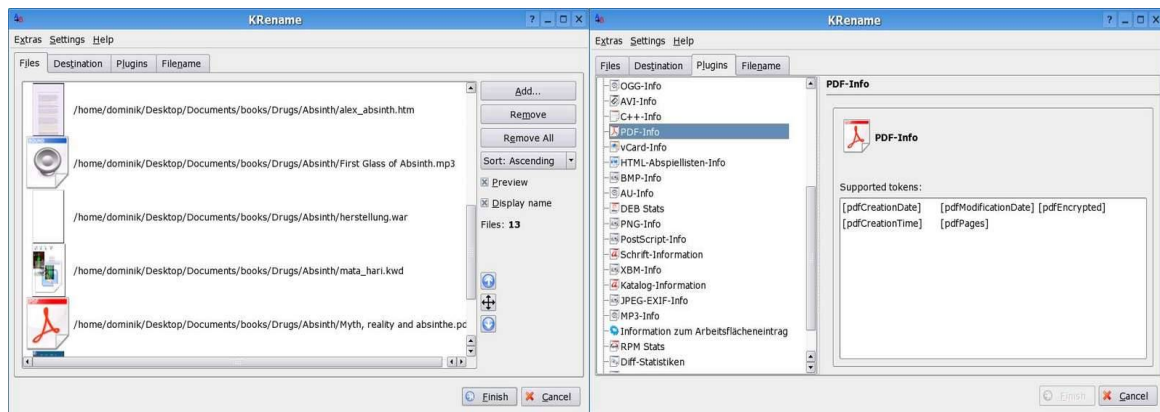
### ***License***

The license is claimed to be GNU GPL.

(image source: <http://www.krename.net/Screenshots.11.0.html> )



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## **A.2.20 Luminance Panel**

### **Purpose of the tool**

The Luminance Panel is a Linux desktop that provides a basic icon menu, a group of panel icons, a task-bar, and a clock. It is meant to work on low-cost computers.

### **Current development status**

Version 0.0.6 released 16/12/2004

### **The platforms on which it works**

Linux

### **Location for download**

[http://sourceforge.net/project/showfiles.php?group\\_id=54234](http://sourceforge.net/project/showfiles.php?group_id=54234)

### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

### **Requirements for training people using the tools**

Minimal

### **Requirements to install and maintain the tool**

RPM packages are available.

### **Available documentation**

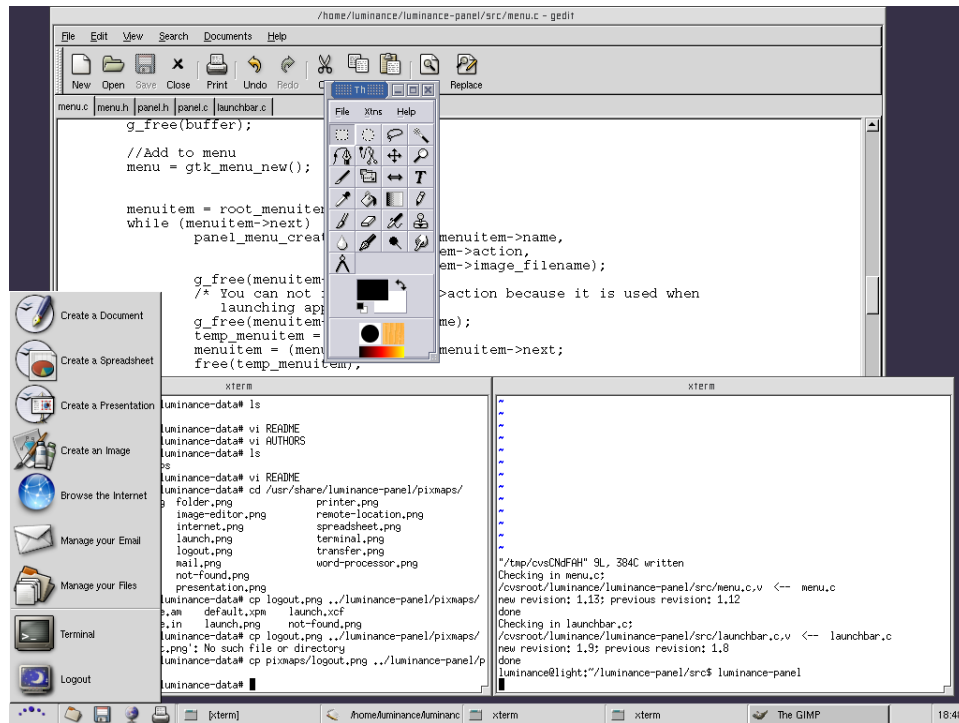
<http://luminance.sourceforge.net/documents/Luminance-Description.rtf>

### **License**

The license is claimed to be GNU GPL.

(image source: [http://luminance.sourceforge.net/status\\_screenshots.php](http://luminance.sourceforge.net/status_screenshots.php) )

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### **A.2.21 Mount ISO Image**

#### **Purpose of the tool**

Mount ISO Image is a graphical application for Linux that allows to mount/unmount CDRoms and similar media. It supports ISO, NRG (Nero Burning ROM), UDF (DVD), CUE/BIN, CCD/IMG/SUB (CloneCD), XDVDFS (XBOX) images.

#### **Current development status**

Version 0.9 Released 24/05/2004

#### **The platforms on which it works**

Linux with KDE

#### *Location for download*

<http://www.jinjiru.ru/index/mountiso/download>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

RPM packages are available.

#### **Available documentation**

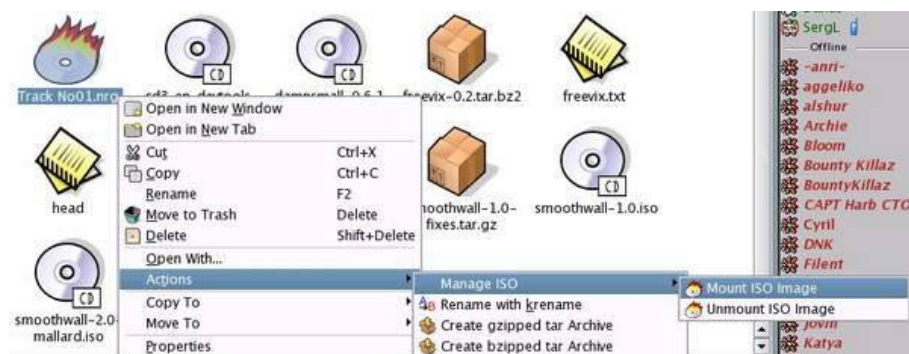
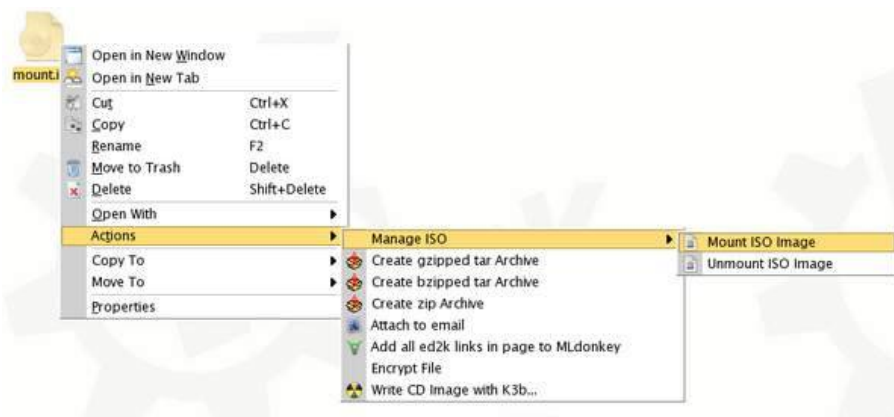
<http://www.kde-apps.org/content/show.php?content=11577>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.kde-apps.org/content/show.php?content=11577> )

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## **A.2.22 Screen Sniper**

### **Purpose of the tool**

Screen Sniper is a graphical tool that allows taking screenshots on X Windows. It is designed to provide an easy-to-use interface, with similar features to the ScreenShooter GNOME panel applet. It is based on the import program.

### **Current development status**

Version 0.4.0 released 21/05/2003 – this project is not any more actively maintained

### **The platforms on which it works**

POSIX

### **Location for download**

<http://jodrell.net/projects/sniper>

### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

### **Requirements for training people using the tools**

Minimal

### **Requirements to install and maintain the tool**

Only available in source code form, requires compilation.

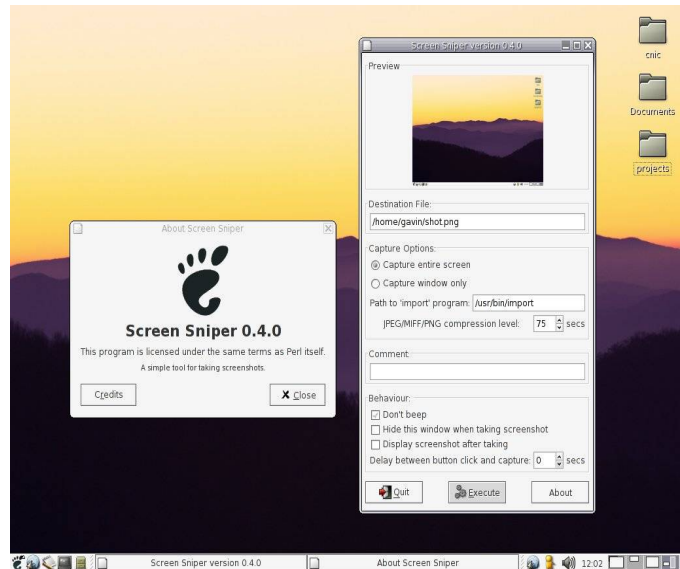
### **Available documentation**

Not available.

### **License**

The license is claimed to be GNU GPL and Artistic Licence.  
(image source: <http://jodrell.net/projects/sniper> )

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### **A.2.23 TopicDocs**

#### **Purpose of the tool**

TopicDocs is an application that allows organization and reference documents on the user desktop or LAN and URLs. Files can be associated with topics, topics can be browsed and described using keywords, attributes, and other information. It supports launching of documents using existing file associations, it can perform fast searches and ranking of search results. It integrates with the desktop (Windows, Linux/KDE and Mac OSX).

#### **Current development status**

Version 1.4 developer

#### **The platforms on which it works**

Windows, Linux/KDE and Mac OSX

#### **Location for download**

<https://topicdocs.dev.java.net/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
Software Integrators	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

Can be installed with Java WebStart, or directly by copying the Jar files.

#### **Available documentation**

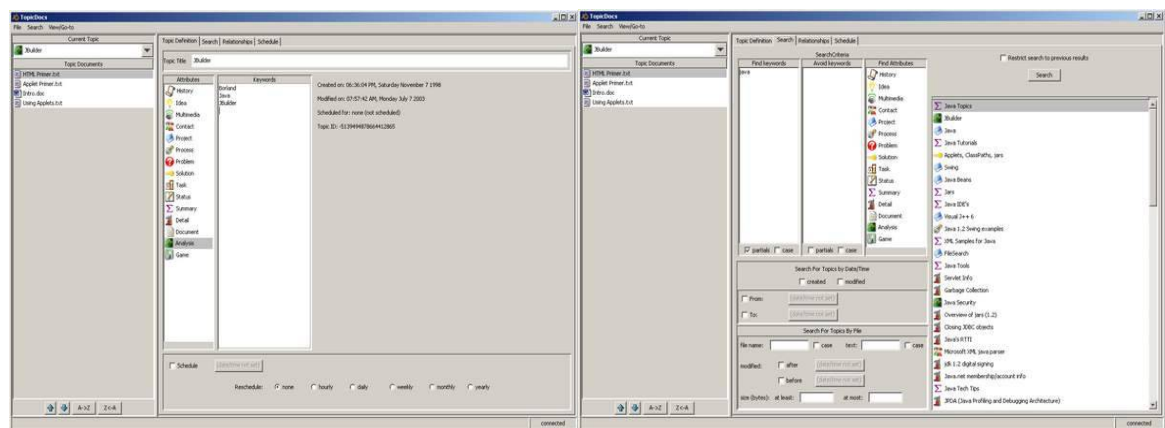
<https://topicdocs.dev.java.net/HelpIndex.html>

#### **License**

The license is claimed to be GNU GPL.

(image source: <https://topicdocs.dev.java.net/> )





### **A.2.24 The KDE URL Link Launcher**

#### **Purpose of the tool**

The KDE URL Link Launcher enables the user to start Microsoft Windows URL shortcuts. The user can choose between Konqueror, Netscape, or Mozilla as the browser for displaying the target of the shortcut.

#### **Current development status**

Version 0.3.1 Beta26/11/2001

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://freshmeat.net/projects/kurllaunch/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Available in easy to install RPM packages.

#### **Available documentation**

<http://www.herr-schmitt.de/kurllaunch/doc/en/index.html>

#### **License**

The license is claimed to be GNU GPL.

### **A.2.25 Wbumount**

#### **Purpose of the tool**

Wbumount is an application that assists the user to find out whether a process is using a device (such as CDRoms, usb-harddisks...) thus preventing her to unmount and/or eject it.

#### **Current development status**

Version 0.1.4 released 04/05/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://www.scheinwelt.at/~norbertf/wbumount/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Requires source code compilation.

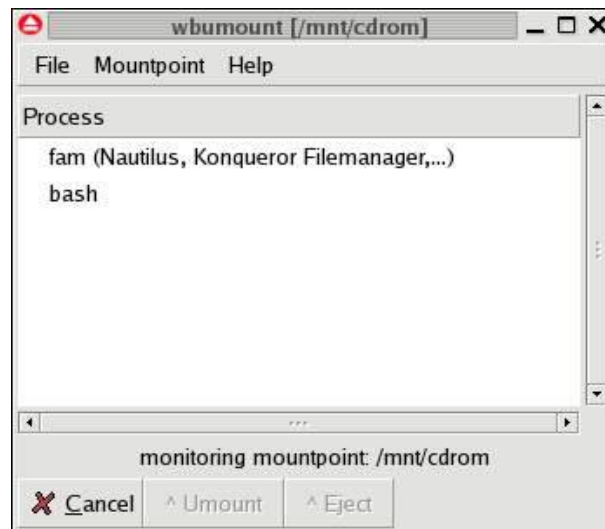
#### **Available documentation**

<http://www.scheinwelt.at/~norbertf/wbumount/>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.scheinwelt.at/~norbertf/wbumount/> )



## **A.2.26 Xnee**

### **Purpose of the tool**

Xnee is a suite of programs that can record user terminal events under the X11 environment and store them for later replay and distribution. It can be useful for testing interactive programs without having to retype the same input several times.

### **Current development status**

Version 1.08 01/11/2003

### **The platforms on which it works**

Linux (XWindows)

*Location for download*

<http://www.gnu.org/software/xnee/www/>

### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

### **Requirements for training people using the tools**

Minimal

### **Requirements to install and maintain the tool**

Source code compilation is required for the installation process.

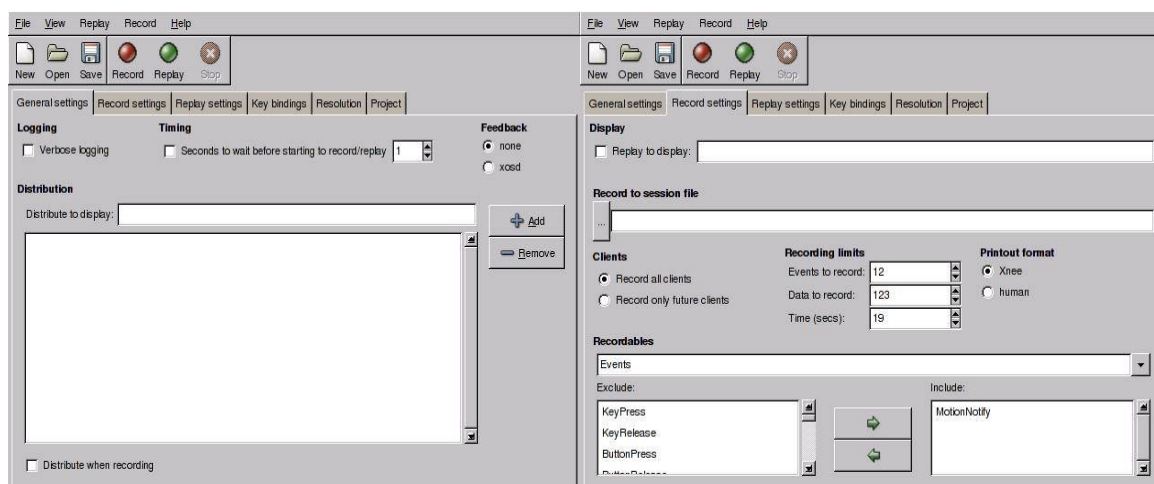
### **Available documentation**

<http://www.gnu.org/software/xnee/www/manual/xnee.html>

### **License**

The license is claimed to be GPL (Documentation is GFDL). More information on: <http://www.gnu.org/software/xnee/www/>  
(image source: [http://www.gnu.org/software/xnee/www/gnee\\_scr.html](http://www.gnu.org/software/xnee/www/gnee_scr.html) )

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## **A.4 Administration**

### **A.4.1 Amanda**

#### ***Purpose of the tool***

Amanda (the Advanced Maryland Automatic Network Disk Archiver) is a backup system that allows the administrator of a LAN to set up a single master backup server to back-up multiple hosts to a single large capacity tape drive. Amanda uses native dump and/or GNU tar facilities and can back up a large number of workstations running multiple versions of Unix. Recent versions can also use SAMBA to back up Microsoft Windows hosts.

#### ***Current development status***

Version 2.4.4 released 21/06/2004

#### ***The platforms on which it works***

POSIX

#### ***Location for download***

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

#### ***Intended audience***

Users	Administration
	Municipal authorities
Administrators	Provincial administration
	Central government

#### ***Requirements for training people using the tools***

User should require no direct interfacing with the package.

#### ***Requirements to install and maintain the tool***

Binary RPM packages are available. Configuration requires some effort, depending on the complexity of the backup process and the hardware used.

#### ***Available documentation***

<http://amanda.sourceforge.net/from-serve/cache/1.html>

#### ***License***

The licenses is claimed to be BSD.

### **A.4.2 BackupPC**

#### **Purpose of the tool**

BackupPC is a configurable system for backing up Linux and WinXX PCs and laptops to a server's disk. It supports mobile environments, where laptops are only occasionally connected to the network and have dynamic IP addresses (DHCP). It provides a pooling scheme that minimizes disk storage and disk I/O, optional compression support, web (http/cgi) user interface, and a full set of restore options.

#### **Current development status**

Version 2.1.0 released 20/06/2004

#### **The platforms on which it works**

BSD, Linux Sun/Solaris

#### **Location for download**

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

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

The installation is performed through Perl code, and requires some effort as several steps are involved.

#### **Available documentation**

<http://backuppc.sourceforge.net/faq/BackupPC.html>

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://backuppc.sourceforge.net/info.html#screenShots> )



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BackupPC

Host desktop116

Home

LOG file

OldLOGs

Last had XferLOG

Last bad XferLOG

Errors (only)

Hosts

desktop116

Host or User name:

Go

Server

Status

PC Summary

LOG file

OldLOGs

Email summary

Config file

Hosts file

Current queries

Documentation

SourceForge

BackupPC

Backup browser for desktop116

You are browsing backup #97, which started around 7/3 10:00 (5.1 days ago),

Click on a directory below to navigate into that directory,

Click on a file below to restore that file.

Contents of /c:/DRIVERS/H7JFR

c:

%programfiles%

BACKUP

DELL

DISCOVER

Documents and Settings

DOS

DRIVERS

H7JFR

AT-KE

EMERY

MONITOR

emaccs

EMERYN

gstools

HUM61

HyperCD

D96

LatPortScan

Viewpro

My Download Files

My Music

nuphone

oracle

Program Files

projects

RECYCLED

RECYCLER

System Volume Information

temp

ht2

users

viewer

Volumes

WINNT

Select all

Restore selected files

Name	Type	Mode	Size	Mod time
ATFCMSXX HL	file	0644	6137	2000/04/11 13:45:18
ATFCHTXX HL	file	0644	6437	2000/3/18 12:10:22
ATFERDXX HL	file	0644	7978	2000/3/14 18:27:36
ATFERNXX HL	file	0644	6314	2000/2/25 10:37:48
ATFERPXX HL	file	0644	7272	2000/3/23 18:18:12
ATFERAXX HL	file	0644	7425	2000/3/22 10:03:42
ATFERNXX HL	file	0644	6371	2000/3/2 15:01:16
ATFEROXX HL	file	0644	6698	2000/3/27 14:36:32
ATFERPXX HL	file	0644	7564	2000/3/9 02:38:30
ATFERHXX HL	file	0644	6333	2000/4/19 08:57:24
ATFERVAL DL	file	0644	138955	2000/8/23 17:22:02
ATFERVEX EX	file	0644	30826	2000/6/23 15:29:56
ATFERAL SY	file	0644	164207	2000/8/23 17:21:42
ATFERAL CAT	file	0644	53202	2000/9/11 16:56:30
ATFERAL INF	file	0644	34982	2000/8/31 18:29:56
ATFERAL PNF	file	0644	50388	2001/1/14 19:55:25
ATFCODXX DL	file	0644	146872	2000/8/15 12:53:48
ATFCODXX SY	file	0644	2737	2000/3/23 15:17:44
ATFCODXX VX	file	0644	4878	2000/3/23 15:17:44
ATFCODXX DLL	file	0644	22048	2000/7/20 12:57:46

Select all

Restore selected files

### **A.4.3 BIE**

#### **Purpose of the tool**

BIE (Business Integration Engine) is an EAI server that allows companies to integrate disparate systems, create and manage agile business processes, and implement service oriented architectures. It is an integration system that allows data exchange with external partners regardless of their native applications. It also includes drag&drop 5GL Map Builder that simplifies mapping between documents from external sources and internal systems.

#### **Current development status**

Version 6.0.3 released 08/08/2004

#### **The platforms on which it works**

OS independent

#### **Location for download**

<http://www.brunswickwdi.com/bie/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

As a sophisticated tool, it requires intimate knowledge of XML and business integration requirements. A developer can start creating the first configurations after 40 hours of study of the source and documentation. More in-depth knowledge can be obtained after 100 hours; use of the map builder is simpler, and requires for a user with XML experience 4 hours.

#### **Requirements to install and maintain the tool**

For an experienced sysadmin, 4 hours.

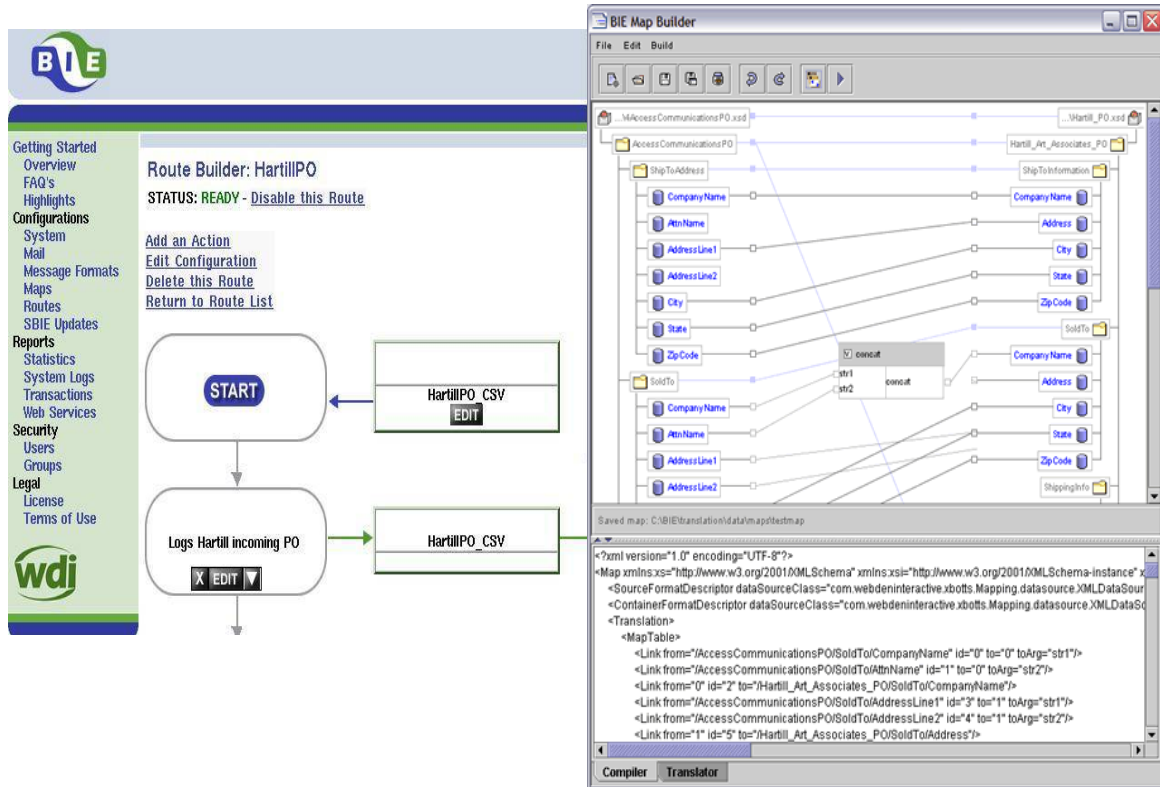
#### **Available Documentation**

[http://www.brunswickwdi.com/quick\\_tutorial](http://www.brunswickwdi.com/quick_tutorial)

#### **License**

The licenses are claimed to be GNU GPL and Other/Proprietary License.  
(image source: [http://www.brunswickwdi.com/map\\_builder](http://www.brunswickwdi.com/map_builder) )

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#### **A.4.4 Canary**

##### **Purpose of the tool**

Canary is a distributed software management system for Linux. It replaces traditional package management solutions (such as RPM and dpkg). Sets of distributed and loosely connected repositories can define the components installed on a Linux system. Administrators and developers can branch to a distribution, keeping the pieces that fit their environment while grabbing components from other repositories across the Internet.

##### **Current development status**

Version 0.2 alpha 28/07/2004

##### **The platforms on which it works**

POSIX

*Location for download*

[http://freshmeat.net/projects/conary/?branch\\_id=52115&release\\_id=168319](http://freshmeat.net/projects/conary/?branch_id=52115&release_id=168319)

##### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

##### **Requirements for training people using the tools**

Users should have no interaction with this package.

##### **Requirements to install and maintain the tool**

Package should be installed from source code.

##### **Available documentation**

<http://www.specifixinc.com/technology/conary.pdf>

##### **License**

The license is claimed to be CPL (Common Public License).

#### **A.4.5 Current**

##### ***Purpose of the tool***

Current is a server that interacts with the up2date agent shipped in Red Hat Linux. It is designed for small to medium departments to enable them to set up and run their own up2date server, feeding new applications and security patches to workstations/servers. It is fast and capable enough to support several hundred machines. Current is compatible with the rpm API introduced in rpm v4.1, which means that it works on any server from RHL 7.2 to 9 and up2date clients 2.7 to 3.1

##### ***Current development status***

Version 1.4.4 released 12/06/2003

##### ***The platforms on which it works***

Linux

##### ***Location for download***

<http://current.tigris.org/>

##### ***Intended audience***

Users	Administration
	Municipal authorities
Administrators	Provincial administration
	Central government

##### ***Requirements for training people using the tools***

Users should have no interaction with this package.

##### ***Requirements to install and maintain the tool***

Package should be installed from source code.

##### ***Available documentation***

<http://current.tigris.org/source/browse/current/docs/>

##### ***License***

The license is claimed to be GNU GPL.

#### **A.4.6 DIBS**

##### ***Purpose of the tool***

DIBS is a distributed archival and retrieval system. It distributes files across peers in a encrypted and secure way. After initial configuration, DIBS runs in the background and automatically backs-up desired data. DIBS performs incremental backup. It uses Gnu Privacy Guard (GPG) to encrypt and digitally sign all transactions. It offers different communication methods like active, passive and mail-based.

##### ***Current development status***

Version 0.91 alpha 10/07/2004

##### ***The platforms on which it works***

POSIX

*Location for download*

[http://www.csua.berkeley.edu/~emin/source\\_code/dibs/](http://www.csua.berkeley.edu/~emin/source_code/dibs/)

##### ***Intended audience***

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

##### ***Requirements for training people using the tools***

Users should have no interaction with this package.

##### ***Requirements to install and maintain the tool***

Code is available for Linux, binary packages for Win32. Some configuration is needed by the system administrator.

##### ***Available documentation***

[http://www.csua.berkeley.edu/~emin/source\\_code/dibs/dibs.html](http://www.csua.berkeley.edu/~emin/source_code/dibs/dibs.html)

##### ***License***

The license is claimed to be BSD

(for details, [http://www.csua.berkeley.edu/~emin/source\\_code/dibs/LICENSE](http://www.csua.berkeley.edu/~emin/source_code/dibs/LICENSE) ).

#### **A.4.7 Directory adm**

##### **Purpose of the tool**

Directory administrator is a LDAP directory management tool. It can be used to manage UNIX users and groups in a single sign-on setup, and corporate address book information. It is also used for setting host-based access control policies (through the host records that allow or deny login to users based on hosts- supported by PAM\_LDAP), and advanced mail routing (supported by Postfix and other mail servers).

##### **Current development status**

Version 1.5.1 released 12/06/2003

##### **The platforms on which it works**

POSIX/MacOS

##### **Location for download**

<http://diradmin.open-it.org/index.php>

##### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

##### **Requirements for training people using the tools**

For network experienced users: less than 1 hour

##### **Requirements to install and maintain the tool**

RPM binary packages are available

##### **Available documentation**

<http://www.suffolk.edu/nsg/docs/bk02ch01s01.html>

##### **License**

The license is claimed to be GNU GPL.

(image source: <http://diradmin.open-it.org/shots.php> )





#### **A.4.8 G4u**

##### **Purpose of the tool**

g4u ("ghost for unix") is a NetBSD-based boot floppy/CD-ROM that allows cloning of PC hard disks to deploy a common setup on a number of PCs using FTP. It can upload the compressed image of a local hard disk to a FTP server and can restore it via FTP, uncompress it and write it back to disk. Network configuration is fetched via DHCP. It can also deploy file system and operating system. Easy cloning of local disks as well as partitions are also supported.

##### **Current development status**

Version 1.17 released 19/07/2004

##### **The platforms on which it works**

NetBSD, Solaris/x86, Windows NT/2000

##### **Location for download**

<http://www.feyrer.de/g4u/>

##### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

##### **Requirements for training people using the tools**

Users should have no interaction with this package

##### **Requirements to install and maintain the tool**

Binary ISO images are available for simple execution of partition copy and restore

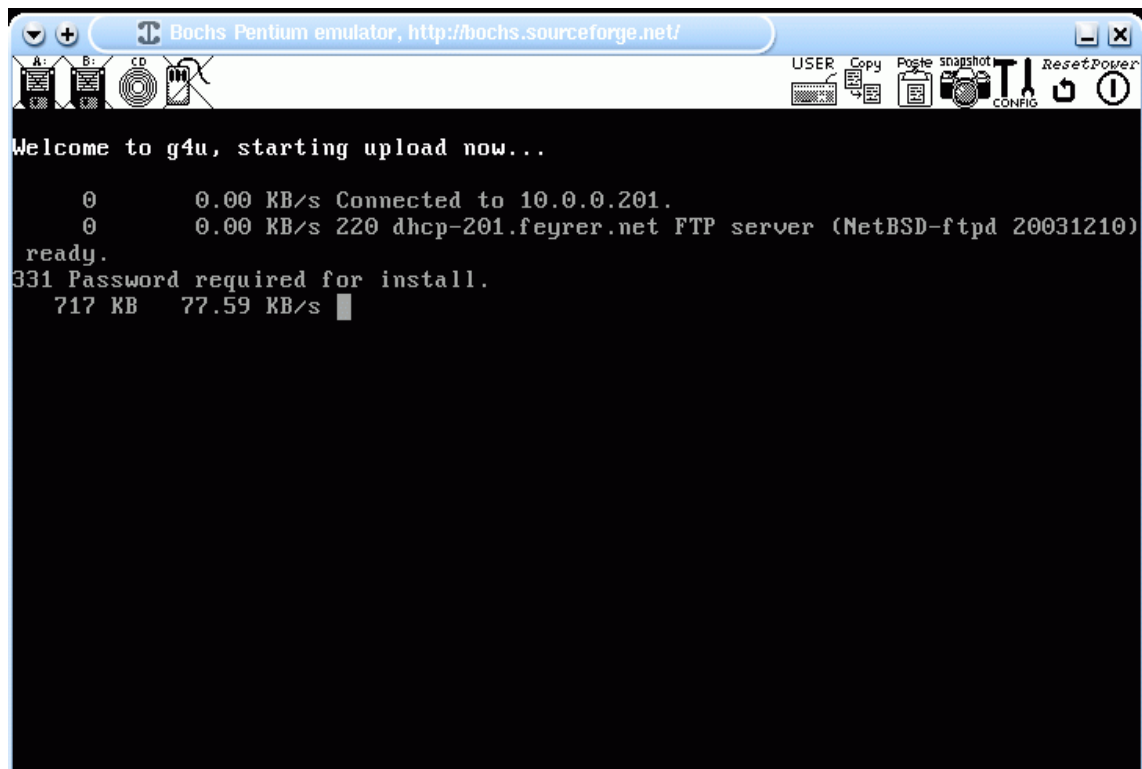
##### **Available documentation**

<http://www.feyrer.de/g4u/#using>

##### **License**

The license is claimed to be BSD.

(image source: <http://www.feyrer.de/g4u/screenshot5-uploadaddisk.gif>)



#### **A.4.9 The GNOME System tools**

##### **Purpose of the tool**

The GNOME System Tools are a set of cross-platform front-end and back-end configuration utilities for Linux and other Unix systems. The back-end reads and writes the configuration information. The GNOME System Tools work with the default configuration files, allowing configuration by hand or by other tools. It supports users and groups, date and time, network configuration, boot-loaders and run-levels modules.

##### **Current development status**

Version 0.33.0 released 16/05/2004

##### **The platforms on which it works**

Linux Redhat, Mandrake, Fedora, Debian, Gentoo, Slackware, FreeBSD, OpenNA and PLD.

##### **Location for download**

<http://www.gnome.org/projects/gst/download.html>

##### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

##### **Requirements for training people using the tools**

For all modules: 1 hour

##### **Requirements to install and maintain the tool**

RPM binary packages are available

##### **Available documentation**

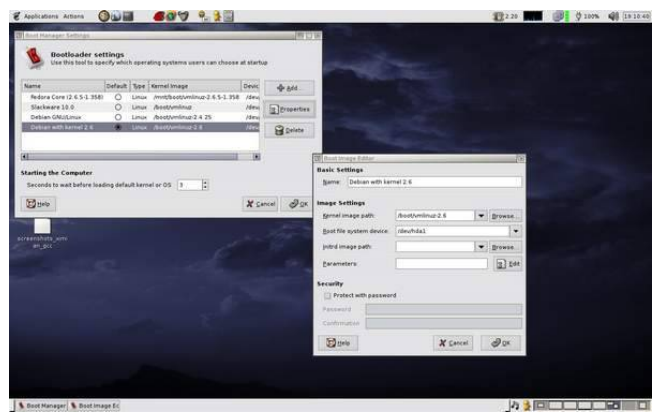
Included with the main GNOME documentation.

##### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.gnome.org/projects/gst/screenshots.html> )

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#### **A.4.10 KDE Disk Archiver**

##### ***Purpose of the tool***

KDE Disk archiver is a disk-based archiving and backup utility. It performs differential backups: it can quickly store the differences between a recent full backup and the current state of the data. It provides an archive browser, file filtering mechanism, and archive catalogue extraction.

*Current development status*

version 1.2.0 released 14/08/2004

*The platforms on which it works*

Linux

*Location for download*

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

##### ***Intended audience***

Users	Administration
	Municipal authorities
Administrators	Provincial administration
	Central government

*Requirements for training people using the tools*

Less than one hour

*Requirements to install and maintain the tool*

RPM binary packages are available

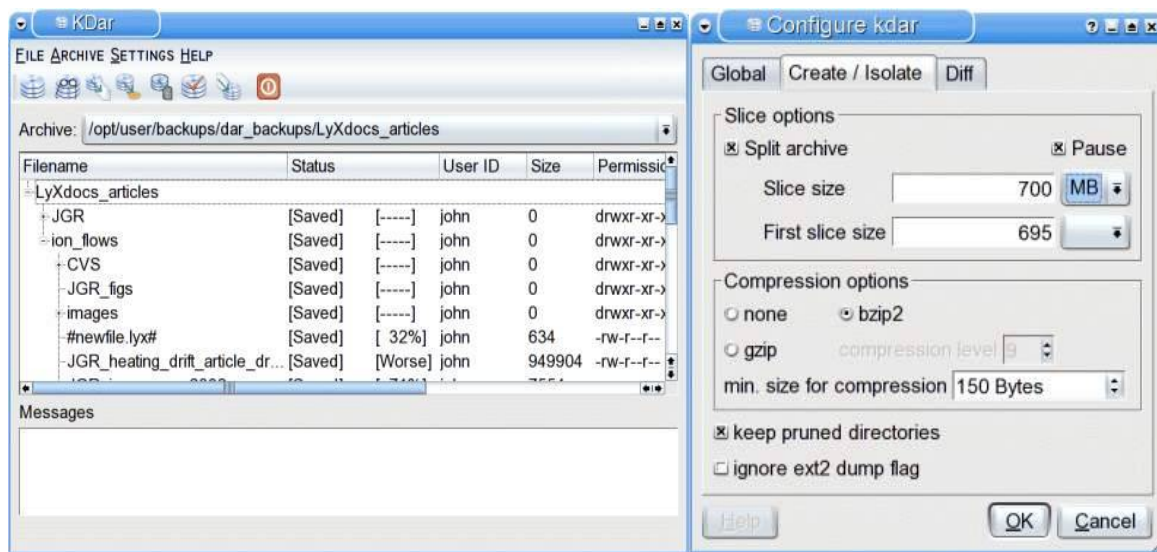
##### ***Available documentation***

<http://kdar.sourceforge.net/kdar-html-docs/index.html>

##### ***License***

The license is claimed to be GNU GPL.

(image source: <http://kdar.sourceforge.net/kdar-screenshots.html> )



### **A.4.11 Nagios**

#### **Purpose of the tool**

Nagios is a host and service monitor that informs about the network problems. The monitoring demon runs occasionally check on host resources (processor load, disk and memory usage, running processes...), network services (SMTP, POP3, HTTP...), and environmental factors (temperature) using external "plug-ins" that return status information to Nagios. When it encounters a problem the demon sends notifications out to administrators through email, instant message, SMS, etc.

It provides web interface, has simple authorization scheme and provides simple plug-in design that allows users to easily develop their own host and service checks.

#### **Current development status**

Version 1.2 released 02/02/2004

#### **The platforms on which it works**

Linux with KDE environment

*Location for download*

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

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

For users with networking experience: 1 hour

#### **Requirements to install and maintain the tool**

RPM binaries are available. Creation of the XML configuration file requires a significant effort, depending on the number and complexity of the monitoring

*Available documentation*

<http://www.nagios.org/docs/>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.nagios.org/screenshot.php> )

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**Nagios - Tactical Monitoring Overview**

Last Updated: Sun Jul 15 14:02:25 CDT 2001  
Updated every 75 seconds  
Nagios™ - [www.nagios.org](http://www.nagios.org)  
Logged in as guest  
Monitoring process is running  
Notifications cannot be sent out  
Service checks are being executed

**Monitoring Performance**  
Check Execution Time: 0 / 60 / 3.642 sec  
Check Latency: 0 / 1 / 0.007 sec  
# Active Checks: 137  
# Passive Checks: 0

**Network Outages**  
2 Outages

**Hosts**  
3 Down, 4 Unreachable, 26 Up, 0 Pending

**Services**  
14 Critical, 2 Warning, 0 Unknown, 103 Ok, 18 Pending

**Monitoring Features**

Flap Detection	Notifications	Event Handlers	Active Checks	Passive Checks
Enabled	Enabled	Enabled	Enabled	Enabled
All Services Enabled	N/A	N/A	All Services Enabled	All Services Enabled
No Service Flapping			All Hosts Enabled	
All Hosts Enabled				
No Hosts Flapping				

**Nagios - Current Network Status**

Last Updated: Sun Jul 15 14:00:09 CDT 2001  
Updated every 75 seconds  
Nagios™ - [www.nagios.org](http://www.nagios.org)  
Logged in as guest  
Monitoring process is running  
Notifications cannot be sent out  
Service checks are being executed

**Host Status Totals**

Up	Down	Unreachable	Pending
26	3	4	0
All Problems All Types			
7	35		

**Service Status Totals**

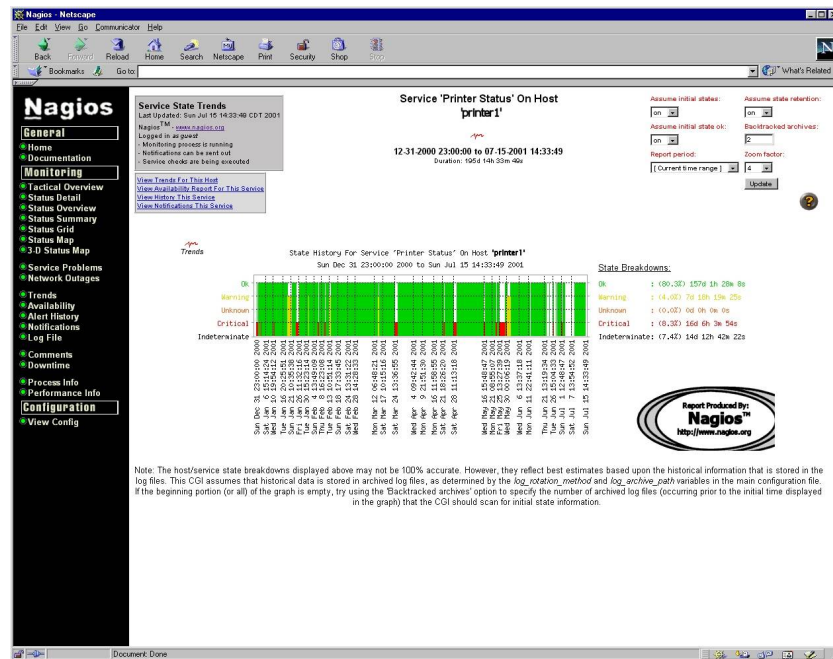
Ok	Warning	Unknown	Critical	Pending
103	2	0	14	18
All Problems All Types				
16	137			

**Service Details For All Hosts**

Host	Service	Status	Last Check	Duration	Attempt	Service Information
api01	PING	OK	07-15-2001 14:04:09	4d 4h 7m 13s	1/3	PING ok - Packet loss = 0%, RTA = 0.60 ms
api01	PING	CRITICAL	07-15-2001 14:04:39	4d 3h 45m 13s	1/3	CRITICAL - Plugin timed out after 10 seconds
api01	Something...	CRITICAL	07-15-2001 14:00:39	4d 4h 1m 45s	1/3	(Service Check Timed Out)
api01	PING	CRITICAL	07-15-2001 14:02:39	4d 4h 1m 45s	1/3	CRITICAL - Plugin timed out after 10 seconds
api02	PING	CRITICAL	07-15-2001 14:04:09	4d 3h 47m 23s	1/3	CRITICAL - Plugin timed out after 10 seconds
api02	Something...	CRITICAL	07-15-2001 14:04:39	4d 3h 45m 22s	1/3	(Service Check Timed Out)
api02	PING	CRITICAL	07-15-2001 14:05:39	4d 3h 45m 3s	1/3	CRITICAL - Plugin timed out after 10 seconds
api02	Something...	CRITICAL	07-15-2001 14:02:39	4d 3h 33m 31s	1/3	(Service Check Timed Out)
api02	PING	CRITICAL	07-15-2001 14:04:09	4d 3h 45m 31s	1/3	CRITICAL - Plugin timed out after 10 seconds
api02	Something...	CRITICAL	07-15-2001 14:04:39	4d 3h 45m 22s	1/3	(Service Check Timed Out)
api02	PING	CRITICAL	07-15-2001 14:05:43	4d 3h 44m 3s	1/3	CRITICAL - Plugin timed out after 10 seconds
api02	Something...	CRITICAL	07-15-2001 14:02:39	4d 3h 35m 21s	1/3	(Service Check Timed Out)
api02	tcp_listener	PENDING	N/A	4d 3h 38m 22s	0/1	Service check is not scheduled for execution...
api02	TCP Wrapper	PENDING	N/A	4d 3h 38m 22s	0/1	Service check is not scheduled for execution...
api02	Security check	PENDING	N/A	4d 3h 38m 22s	0/1	Service check is not scheduled for execution...
api02	PING	OK	07-15-2001 14:02:35	4d 4h 8m 14s	1/3	PING ok - Packet loss = 0%, RTA = 0.60 ms
api02	PING	OK	07-15-2001 14:04:01	4d 3h 47m 54s	1/3	PING ok - Packet loss = 0%, RTA = 0.60 ms
api02	Security check	PENDING	N/A	4d 3h 38m 22s	0/1	Service check is not scheduled for execution...
api02	TCP Wrapper	PENDING	N/A	4d 3h 38m 22s	0/1	Service check is not scheduled for execution...
api02	tcp_listener	PENDING	N/A	4d 3h 38m 22s	0/1	Service check is not scheduled for execution...



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#### **A.4.12 OpenIPMI**

##### ***Purpose of the tool***

OpenIPMI is a platform management interface (IPMI) that allows full access to all IPMI information on a server and abstracts it. It is modular and includes backwards-compatibility modules for supporting the Radisys IPMI driver and the Intel IMB driver. It adds remote manageability to large desktop deployments. The system allows multiple users and multiple interfaces and supports the watchdog timer. It tracks outgoing messages and matches up their responses automatically, fetches events, received messages, supports interrupts and generating an event on a panic.

##### ***Current development status***

Version 1.3.9 released 27/06/2004

##### ***The platforms on which it works***

POSIX

*Location for download*

<http://sourceforge.net/projects/openipmi/>

##### ***Intended audience***

Users	Administration
	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government
Expert Users	

##### ***Requirements for training people using the tools***

User are not expected to interact directly with the package.

##### ***Requirements to install and maintain the tool***

Install requires a custom kernel compile.

*Available documentation*

<http://openipmi.sourceforge.net/IPMI.txt>

##### ***License***

The licenses are claimed to be GNU GPL and GNU Library or Lesser General Public License (LGPL).

### **A.4.13 Opennms**

#### **Purpose of the tool**

OpenNMS is a network management software system for service polling, performance monitoring and event management and notifications. Through service polling the system monitors services on the network and reports on their "service level". The data is collected simultaneously from the remote systems via SNMP in order to measure the performance of the network. Notification system is based on escalations generated by network events.

#### **Current development status**

Version 1.1.3 released 25/07/2004

#### **The platforms on which it works**

OS independent

#### **Location for download**

<http://wiki.opennms.org/tiki-index.php>

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government
Expert Users	

#### **Requirements for training people using the tools**

For network experienced users: 3 hours

#### **Requirements to install and maintain the tool**

The package is complex and depends on several external libraries and tools. Binary packages are made available for the main Linux distributions. Configuration is complex, and can require significant effort for large scale networks with many sensors and complex notifications.

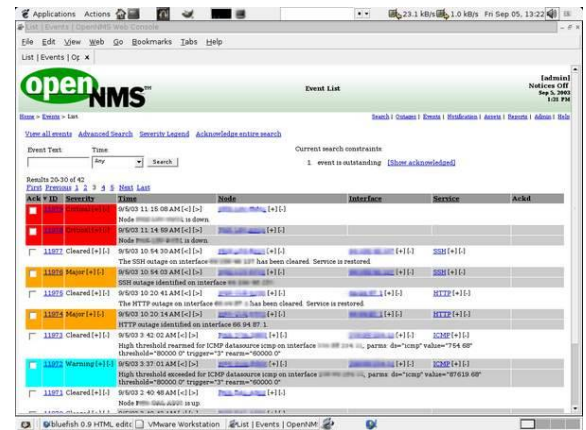
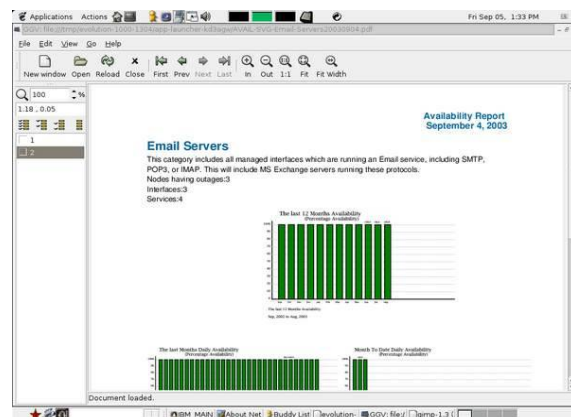
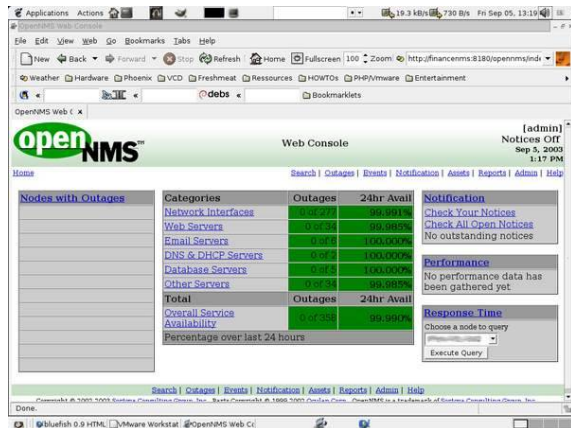
#### **Available documentation**

[http://sourceforge.net/docman/?group\\_id=4141](http://sourceforge.net/docman/?group_id=4141)

#### **License**

The license is claimed to be Artistic License, GNU General Public License (GPL).  
(image source: <http://www.netstatz.com/solutions/index.php> )

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#### **A.4.14 Openpkg**

##### ***Purpose of the tool***

OpenPKG is the instrument for deployment and maintenance of Open Source software, when administration crosses Unix platform boundaries. It uses technologies like Red Hat Package Manager (RPM) and OSSP and GNU components to establish a unified software administration environment independent of underlying Unix operating system.

##### ***Current development status***

Version 2.1 released 20/07/2004

##### ***The platforms on which it works***

POSIX

##### ***Location for download***

<http://www.openpkg.org/download.html>

##### ***Intended audience***

Users	Administration
	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

##### ***Requirements for training people using the tools***

Minimal

##### ***Requirements to install and maintain the tool***

Binary packages are available

##### ***Available documentation***

<http://www.openpkg.org/tutorial.html>

##### ***License***

The license is claimed to be MIT license (for details, <http://www.openpkg.org/license.html> ).

#### **A.4.15 Open Carpet**

##### ***Purpose of the tool***

Open Carpet is a tool to easily set up and maintain a Red Carpet software repository. Red Carpet is the software management solution for Linux that provides channel organization and automatic dependency and conflict resolution during installation, update and management of software on Linux workstations and servers. With Open Carpet, Red Carpet does not need a centralized server run by Ximian.

##### ***Current development status***

Version 0.3 released 14/06/2004

##### ***The platforms on which it works***

Linux

##### ***Location for download***

<http://open-carpet.org/>

##### ***Intended audience***

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

##### ***Requirements for training people using the tools***

Users should have no interaction with this package

##### ***Requirements to install and maintain the tool***

RPM binary packages are available.

##### ***Available documentation***

Included in the source code package.

##### ***License***

The license is claimed to be GNU GPL.

#### **A.4.16 OpenLDAP**

##### **Purpose of the tool**

The OpenLDAP Project is a robust LDAP suite of applications and development tools. The suite includes: slapd - stand-alone LDAP server, slurpd - stand-alone LDAP replication server, libraries implementing the LDAP protocol, utilities, tools, and sample clients.

##### **Current development status**

Version 2.2.13 14/06/2004

##### **The platforms on which it works**

POSIX

##### **Location for download**

<http://www.openldap.org/software/download/>

##### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

##### **Requirements for training people using the tools**

Users should have no interaction with this package

##### **Requirements to install and maintain the tool**

RPM binary packages are available.

##### **Available documentation**

<http://www.openldap.org/doc/admin22/>

##### **License**

The license is claimed to be OpenLDAP public license. More information on: <http://www.openldap.org/software/release/license.html>

### **A.4.17 Partition Image**

#### **Purpose of the tool**

Partition Image is a Linux/UNIX utility that saves partitions in various formats to an image file. The image file can be compressed in the GZIP/BZIP2 formats to save disk space, and split into multiple files to be copied on removable floppies (ZIP for example). Since the version 0.6.0. partitions can be saved across the network.

#### **Current development status**

Version 0.6.4 released 07/02/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

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

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government
Expert Users	

#### **Requirements for training people using the tools**

Users should have no interaction with this package

#### **Requirements to install and maintain the tool**

RPM binary packages are available.

#### **Available documentation**

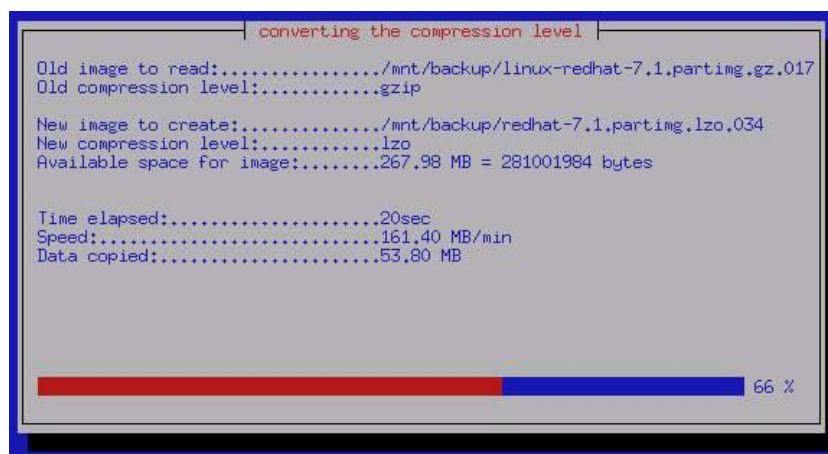
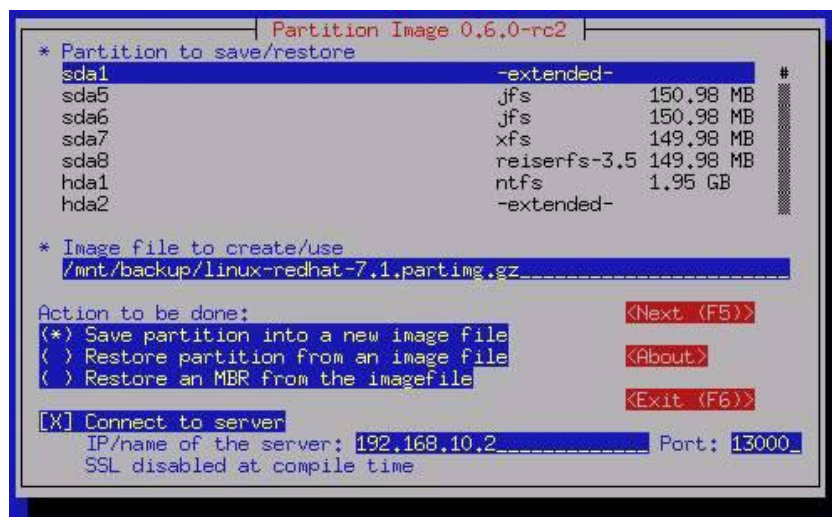
<http://www.partimage.org/doc/index.html>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.partimage.org/screenshots.en.html> )





#### **A.4.18 phpLDAPadmin**

##### **Purpose of the tool**

phpLDAPadmin is a web-based LDAP client. It provides multi-language administration for LDAP server. It provides a hierarchical tree-viewer and has advanced search functionalities that allow browsing and administration of a LDAP directory. This LDAP browser works on many platforms since it is a web application.

##### **Current development status**

Version 0.94b 11/05/2004

##### **The platforms on which it works**

POSIX, Windows

##### **Location for download**

<http://phpldapadmin.sourceforge.net/download.php>

##### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

##### **Requirements for training people using the tools**

Users should have no interaction with this package

##### **Requirements to install and maintain the tool**

PHP required

##### **Available documentation**

Not available

##### **License**

The license is claimed to be GNU GPL.

#### **A.4.19 SFS**

##### ***Purpose of the tool***

SFS is a secure, global network file system with decentralized control. SFS provides access to user files from anywhere and allows the user to share them with anyone, anywhere. It allows file sharing across administrative realms without involving administrators or certification authorities. It is normally used as a disk extender, storage manager, or for distributed backup. Any user can access any server from any client.

##### ***Current development status***

Version 0.6 released 23/04/2003

##### ***The platforms on which it works***

POSIX

##### ***Location for download***

<http://www.fs.net/sfswww/>

##### ***Intended audience***

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

##### ***Requirements for training people using the tools***

Users should have no interaction with this package

##### ***Requirements to install and maintain the tool***

Source code compilation is required for the installation process; gcc-2.95.2 or later; user and group called `sfs` on the machine.

##### ***Available documentation***

<http://www.fs.net/sfswww/sfs.html>

##### ***License***

The license is claimed to be GNU GPL.

### **A.4.20 Synaptic**

#### **Purpose of the tool**

Synaptic (previously known as raptor) is a graphical package management program for apt. It provides the same features as the apt-get command line utility with a GUI front-end based on Gtk+ or WINGs. It contains an option that updates the system by comparing the release levels of the software present on the system to those of a remote benchmark site. It provides various views (Tree, List) and native apt-CDRom support. It also has terminal emulator for the package manager built-in.

#### **Current development status**

Version 0.44 released

#### **The platforms on which it works**

Linux

*Location for download*

<http://www.nongnu.org/synaptic/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Basic usage, less than 1 hour. Sophisticated use, 2 hours.

#### **Requirements to install and maintain the tool**

Requires the apt-rpm package (included in many recent Linux distributions). Package is available in easy to install RPM packages.

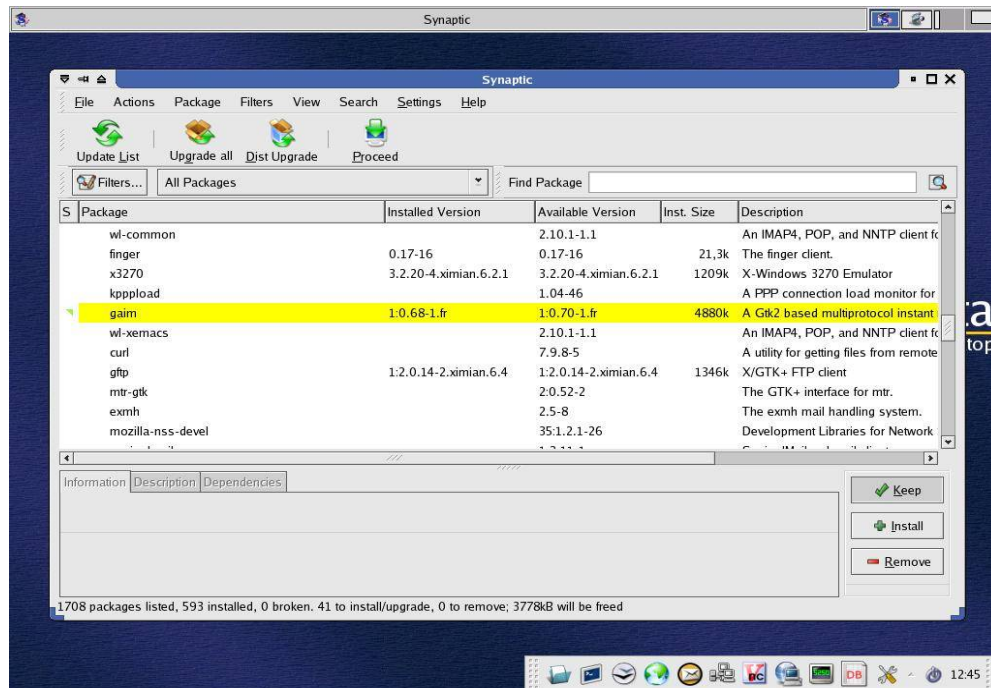
#### **Available documentation**

<http://www.pimpzkru.de/renate/synaptic-manual-0.48.tgz>

#### **License**

The license is claimed to be GNU GPL.  
(image source: Conecta )

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#### **A.4.21 Sync4j project**

##### **Purpose of the tool**

The Sync4j Project is a mobile application development platform implementing the SyncML protocol that defines a standard way to synchronize data and manage devices remotely (usually mobile devices). Sync4j consists of several applications among which are SyncServer, SyncClient API in Java (J2SE and J2ME) and C++, SyncClient PIM for Outlook and Windows Mobile PDA and SyncConnector DB and Microsoft Exchange.

##### **Current development status**

Version 2.0 released 21/04/2004

##### **The platforms on which it works**

Linux & Windows

*Location for download*

<http://sync4j.funambol.com/main.jsp?main=download>

##### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

##### **Requirements for training people using the tools**

Users should have no interaction with this package

##### **Requirements to install and maintain the tool**

Installation process is complex, given the number of different packages that are needed and the configuration needs.

##### **Available documentation**

<http://sync4j.funambol.com/main.jsp?main=documentation>

##### **License**

The license is claimed to be GNU GPL, there is also a Commercial license (for details, <http://sync4j.funambol.com/main.jsp?main=license> ).

#### **A.6 Miscellaneous**

##### **A.6.1 oooBarcode**

##### **Purpose of the tool**

oooBarcode is an OpenOffice.org macro to insert bar codes supporting several encodings like code 128-B, code 128-C, code 128 raw, EAN, UPC, ISBN, code 39, Plessey, MSI,

code 93, interleaved 2 of 5, code 128 , Codabar. It supports EPS output.

**Current development status**

Version 0.1 released 26/04/2004

**The platforms on which it works**

POSIX

**Location for download**

<http://www.jdisoftware.co.uk/pages/obc-home.php>

**Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government
End Users	

**Requirements for training people using the tools**

Minimal.

**Requirements to install and maintain the tool**

Minimal.

**Available documentation**

<http://www.jdisoftware.co.uk/pages/obc-config.php>

**License**

The license is claimed to be GPL.

## **A.7 Text processors and publishing tools**

### **A.7.1 Conglomerate**

#### **Purpose of the tool**

Conglomerate is a XML editor for DocBook and other document types with a user-friendly GUI including the Assistant for creating new files. It provides an XML source view, undo/redo functionality, text highlighting, and editing the hierarchical structure of the XML document. If a DTD is available, Conglomerate will try to constrain editing to ensure that the document is valid.

#### **Current development status**

not stable release; Version 0.7.14 Pre-Alpha 2 21/06/2004

#### **The platforms on which it works**

POSIX, MacOS

#### **Location for download**

<http://www.conglomerate.org/download.html>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

The tool is easy to use, but requires some experience in markup systems and XML in particular. The training time for a proficient user is less than 1 hour.

#### **Requirements to install and maintain the tool**

Easy to install RPM packages are available. Syntax coloring requires a recent version of the GNOME environment.

#### **Available documentation**

<http://www.conglomerate.org/docs.html>

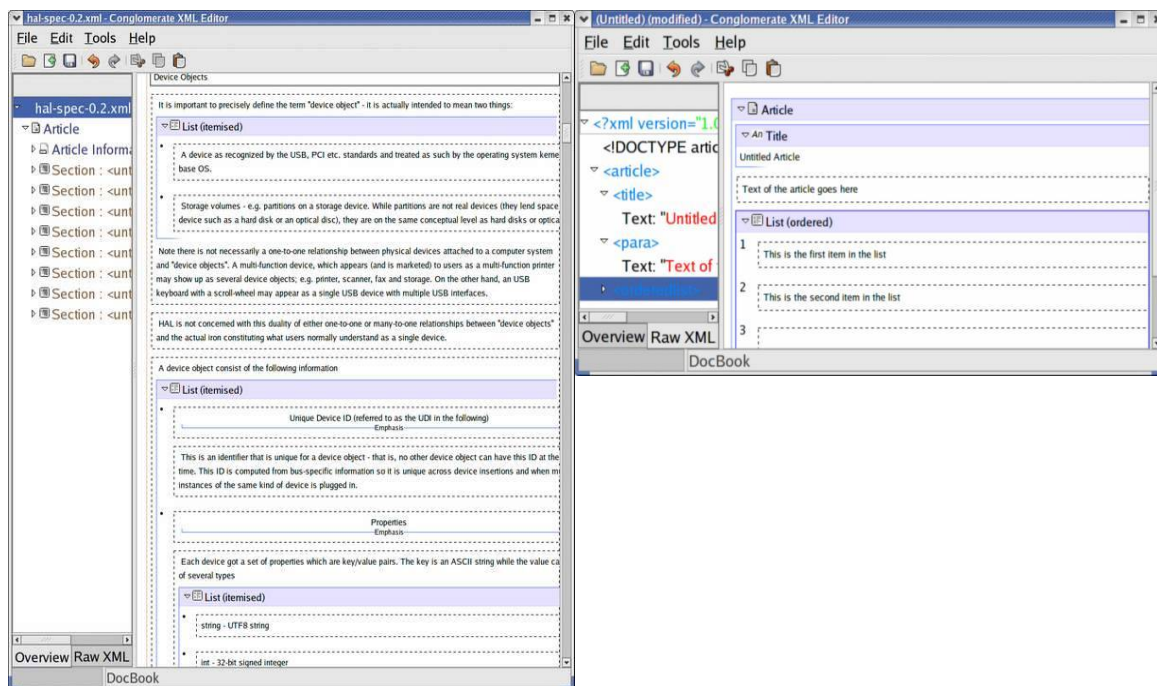
#### **License**

The license is claimed to be GPL.

(image source: <http://www.conglomerate.org/intro.html> )



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### **A.7.2 ExtendedPDF**

#### **Purpose of the tool**

ExtendedPDF is an OpenOffice.org macro that produces PDF with the same bookmarks, hyper-links and document meta-data as the original OpenOffice.org document. It provides flexible PDF bookmark creation from headings and other styles; conversion of hyper-links in the OpenOffice.org document to hyper-links in the PDF, OpenOffice.org Notes to PDF Note Annotations and OOo bookmarks to PDF named destinations for easy cross-reference management. It also allows conversion of meta-data like author, date of creation, keywords, etc.

#### **Current development status**

Version 0.94 released 01/06/2004

#### **The platforms on which it works**

POSIX

*Location for download*

<http://www.jdisoftware.co.uk/pages/epdf-download.php>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

Installation of an alternate printer driver is needed, through Openoffice spadmin tool.

#### **Available documentation**

PDF manual at <http://www.jdisoftware.co.uk/pages/jdi-order.php?order=110>

#### **License**

The license is claimed to be GPL.

### **A.7.3 Gjots**

#### **Purpose of the tool**

Gjots assembles and organizes text notes in a hierarchical way. It can be used for notes, jottings, bits and pieces, recipes, and even PINs, and passwords (encrypted with ccrypt(1)). It can also be used to "mind-map" larger compositions like manuals, Web pages, articles, etc.

#### **Current development status**

Version 2.0.1beta 02/06/2004

#### **The platforms on which it works**

POSIX

*Location for download*

<http://bhepple.freeshell.org/gjots/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

Minimal

*Available documentation*

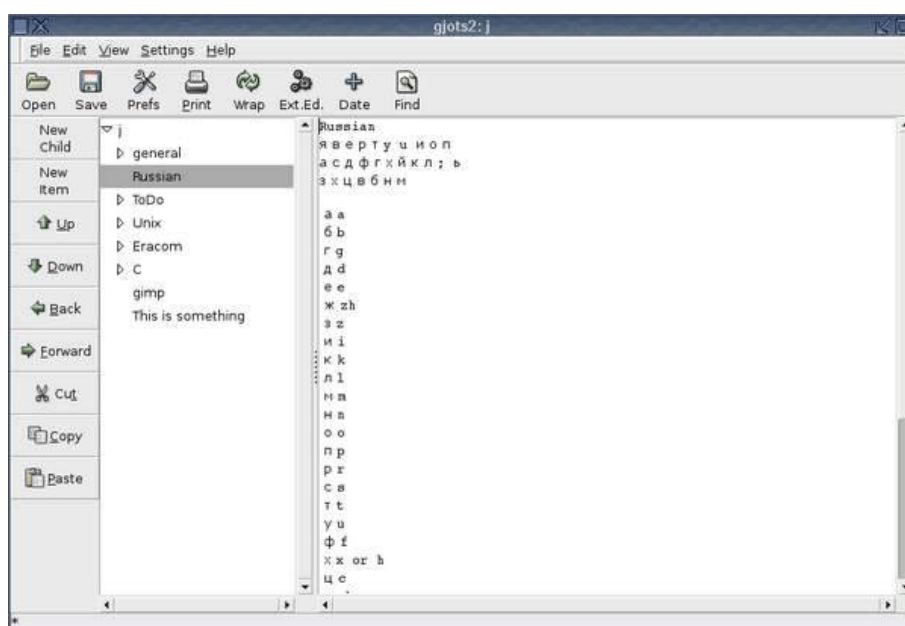
[http://bhepple.freeshell.org/gjots/manual\\_en.html](http://bhepple.freeshell.org/gjots/manual_en.html)

#### **License**

The license is claimed to be GPL.

(image source: <http://bhepple.freeshell.org/gjots/screenshots.html> )

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#### **A.7.4 Gpdf**

##### **Purpose of the tool**

GPdf is a PDF viewer for GNOME, based on Xpdf. It provides a Nautilus property page for PDF files.

##### **Current development status**

Version 0.103 Alpha 06/06/2003

##### **The platforms on which it works**

POSIX

*Location for download*

<http://www.inf.tu-dresden.de/~mk793652/gpdf/>

##### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

##### **Requirements for training people using the tools**

Less than 1 hour.

##### **Requirements to install and maintain the tool**

Minimal

*Available documentation*

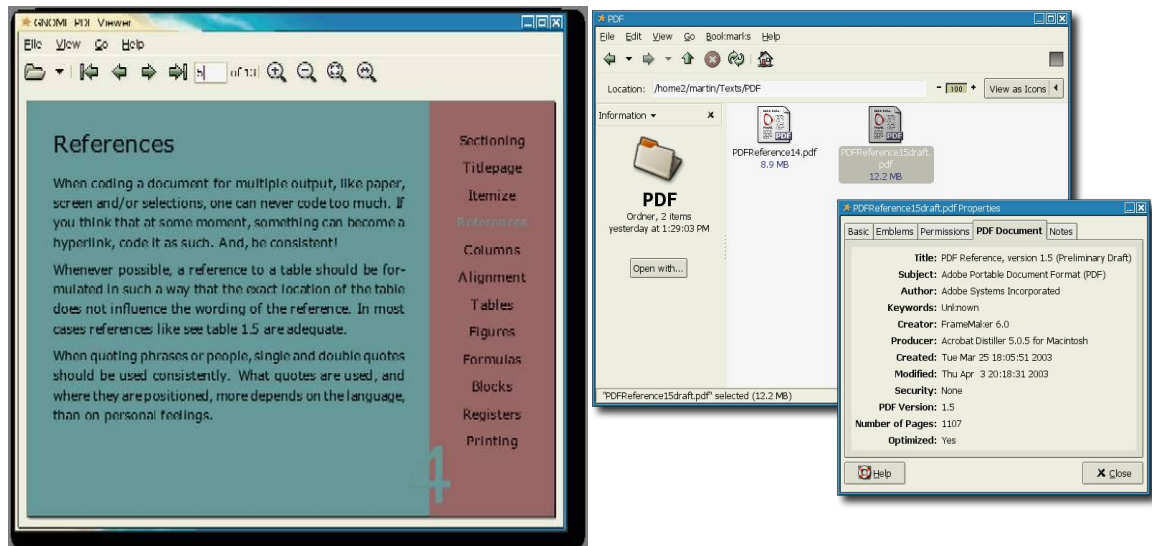
Included in the GNOME documentation.

##### **License**

The license is claimed to be GPL.

(images source: <http://www.inf.tu-dresden.de/~mk793652/gpdf/> )

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### **A.7.5 JasperReports**

#### **Purpose of the tool**

JasperReports is a Java reporting instrument that has the ability to deliver rich content onto the screen, to the printer or into PDF, HTML, XLS, CSV and XML files. It can be used in different Java enabled applications to generate dynamic content. It organizes data retrieved from a relational database through JDBC according to the report design defined in an XML file.

#### **Current development status**

Version 0.6.0 released 23/07/2004

#### **The platforms on which it works**

OS independent

#### **Location for download**

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

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

A java developer with XML experience can start developing sample reports after 4 hours of training.

#### **Requirements to install and maintain the tool**

JAXP XML parser, JDBC, the iText pdf library and Jakarta POI library. Installation of the components may be slightly complex, and can be estimated in 8 hours.

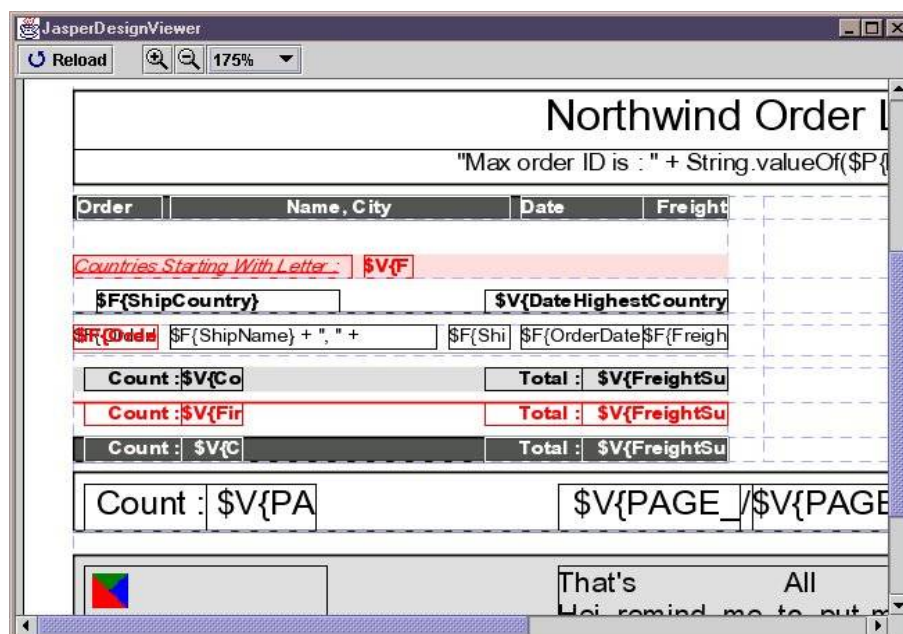
#### **Available documentation**

<http://jasperreports.sourceforge.net/tutorial/index.html>

#### **License**

The license is claimed to be LGPL.

(image source: <http://jasperreports.sourceforge.net/features/index.html> )





### **A.7.6 Kugar**

#### **Purpose of the tool**

Kugar is a KDE tool for designing, producing, viewing and printing business reports. It supports direct database access as well as database/data-source-neutral report generation through XML data and template specifications. It supports centrally managed template libraries, accessible through URLs.

It provides Postscript output and full control of fonts, colours, text alignment and wrapping, unlimited number of detail levels and special formatting facilities for negative numbers, currencies, numbers, dates, etc. It also provides aggregate functions like count, sum, average, variance and standard deviation.

#### **Current development status**

Version 1.3.2 released 08/07/2004

#### **The platforms on which it works**

Linux with KDE environment

*Location for download*

<http://www.koffice.org/kugar/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

The report designer is easy to use, and complete examples can be developed by non-developers in 4 hours.

#### **Requirements to install and maintain the tool**

As KDE and Koffice are usually available in simple-to-install packages, the maintenance requirements are minimal.

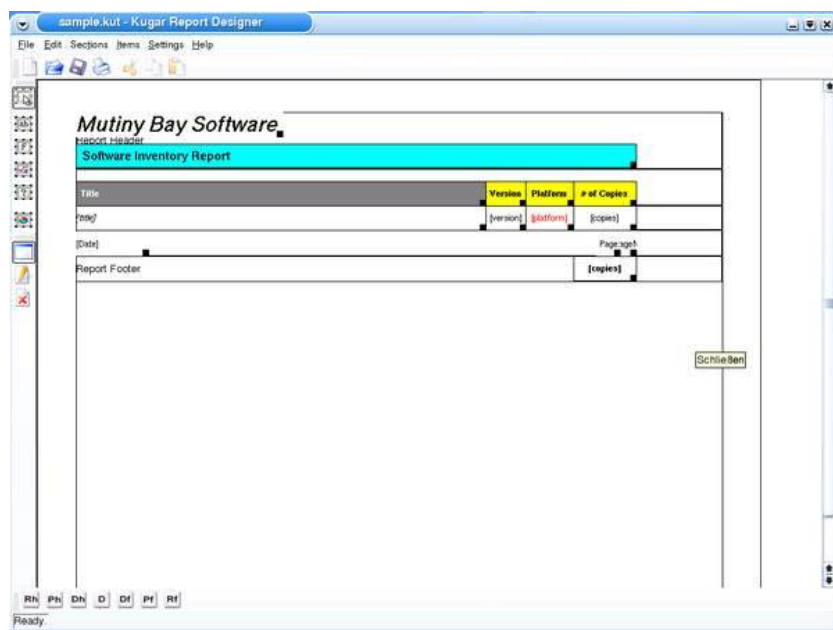
#### **Available documentation**

<http://docs.kde.org/en/HEAD/koffice/kugar/>

#### **License**

The license is claimed to be GPL .

(image source: <http://www.kde.de/koffice/kugar/index.php> )



### **A.7.7Newdocms**

#### ***Purpose of the tool***

Newdocms is a document management system that allows users to define any number of document attributes, and then run queries on the database where these are registered.

#### ***Current development status***

Version 0.1 Alpha 02/01/2003

#### ***The platforms on which it works***

POSIX

#### ***Location for download***

<http://freshmeat.net/projects/newdocms/>

#### ***Intended audience***

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### ***Requirements for training people using the tools***

Less than 1 hour.

#### ***Requirements to install and maintain the tool***

Only available in source code form, requires compilation.

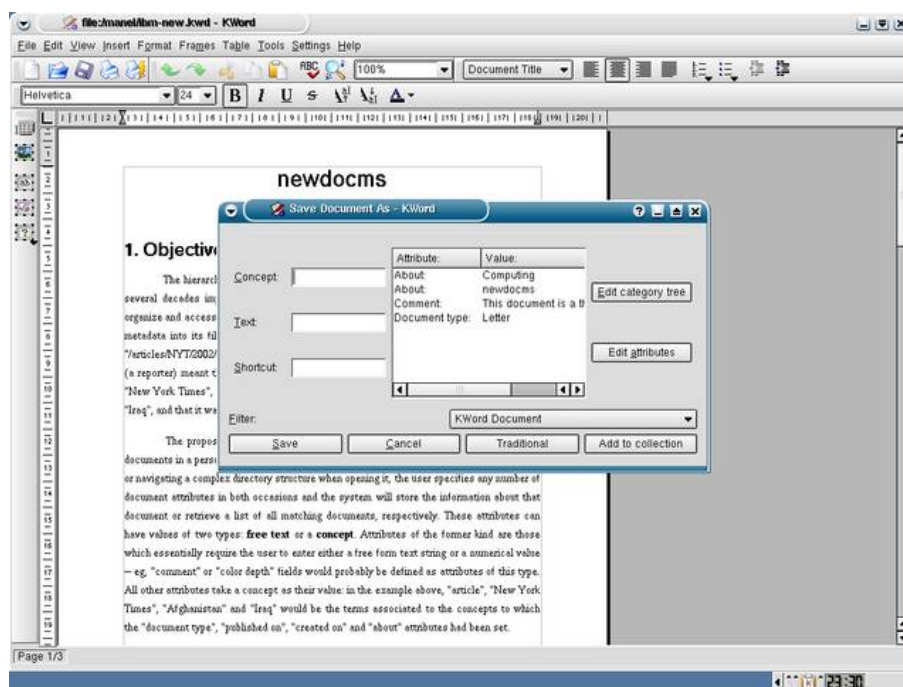
#### ***Available documentation***

<http://pwp.netcabo.pt/0154115101/papers/beyond-the-hfs.pdf>

#### ***License***

The license is claimed to be LGPL.

(image source: <http://freshmeat.net/screenshots/33859/35925/> )



### **A.7.8 Scribus**

#### **Purpose of the tool**

Scribus is a desktop publishing program, providing professional-quality features like CMYK and RGB colour Postscript separation, direct output of press-ready PDF files, sophisticated frame flow and image management. It uses an open, XML-based file format.

#### **Current development status**

Version 1.1.7 released 05/06/2004

#### **The platforms on which it works**

FreeBSD, NetBSD, Fink (GPL applications running on OSX with Xfree86), Solaris-Sparc/x86, HP-UX11, Linux

*Location for download*

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

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

For basic usage, 4 hours; for sophisticated document production, 20 hours.

#### **Requirements to install and maintain the tool**

The package is available in easy-to-install RPM packages.

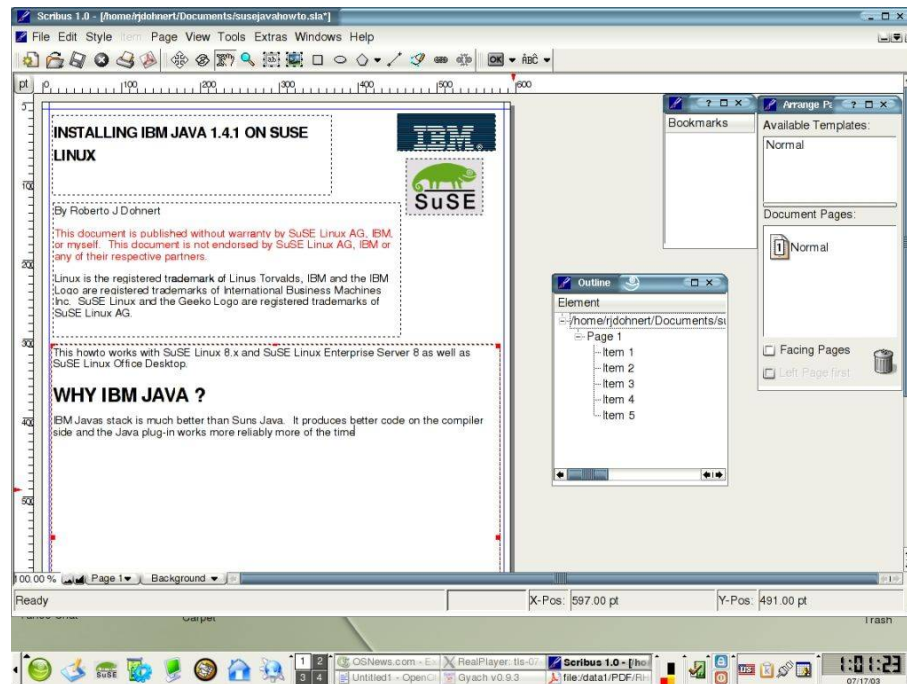
#### **Available documentation**

<http://www.scribus.org.uk/documentation/topics.html>

#### **License**

The license is claimed to be GPL.

(image source: <http://www.scribus.org.uk/gallery/>)



## **A.8 Translation tools**

### **A.8.1 Ooxlate**

#### ***Purpose of the tool***

OOxlate is a Computer-Aided-Translation (CAT) package for the free OpenOffice.org office suite. OOxlate assists a human translator by supporting the reuse of previously translated text, by ensuring terminological consistency through a glossary, and by preserving the formatting of the source document.

#### ***Current development status***

Version 1.1 released 11/11/2003

#### ***The platforms on which it works***

POSIX

#### ***Location for download***

<http://translatewrite.com/ooxlate.html>

#### ***Intended audience***

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### ***Requirements for training people using the tools***

Less than 1 hour.

#### ***Requirements to install and maintain the tool***

The installation of the package requires many additional services, like the OpenOffice web services proxy, perl (with additional modules) and the Java WS developers pack. The setup time is estimated in 4 hours.

#### ***Available documentation***

<http://translatewrite.com/OOxlate/INSTALL.OOxlate>

#### ***License: the license is claimed to be GPL***

## **A.9 Spreadsheets**

### **A.9.1 Gnumeric**

#### ***Purpose of the tool***

Gnumeric is a spreadsheet application that is integrated in the GNOME environment. Gnumeric allows to import Excel, 1-2-3, Applix, Sylk, XBase Quattro Pro, Dif, Plan Perfect, and Oleo files.

#### ***Current development status***

Version 1.2.13 released 23/06/2004

#### ***The platforms on which it works***

Linux

*Location for download*

<http://www.gnome.org/projects/gnumeric/>

#### ***Intended audience***

<b>Users</b>	<b>Administration</b>
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### ***Requirements for training people using the tools***

Similar to those of commercial spreadsheets. It can be estimated in 4 hours for very basic usage, 12 hours for more sophisticated use.

#### ***Requirements to install and maintain the tool***

Available in easy to install RPM packages.

#### ***Available documentation***

<http://www.gnome.org/projects/gnumeric/doc/index.html>

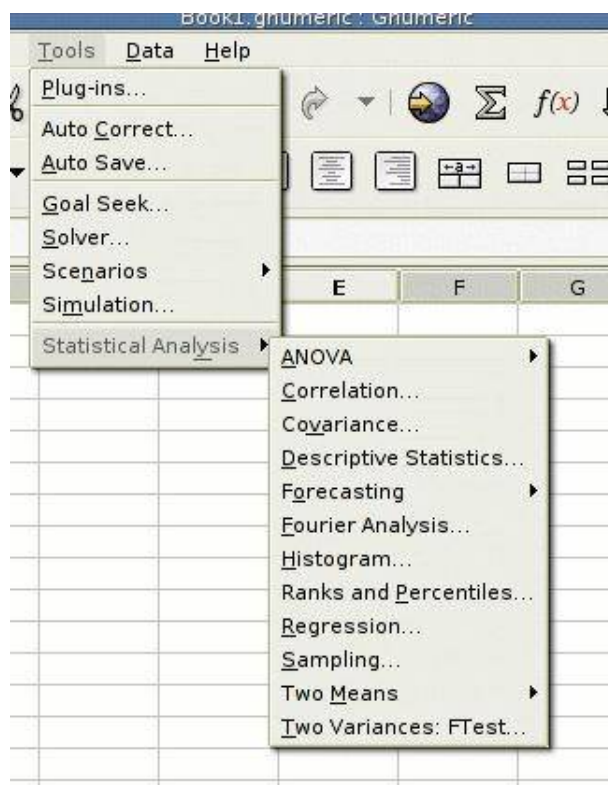
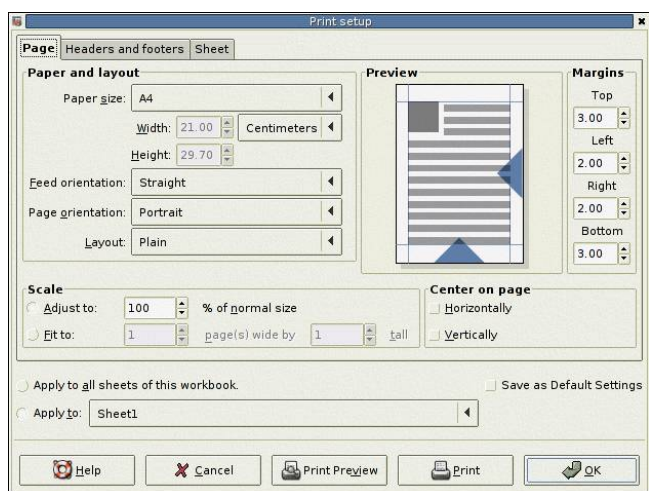
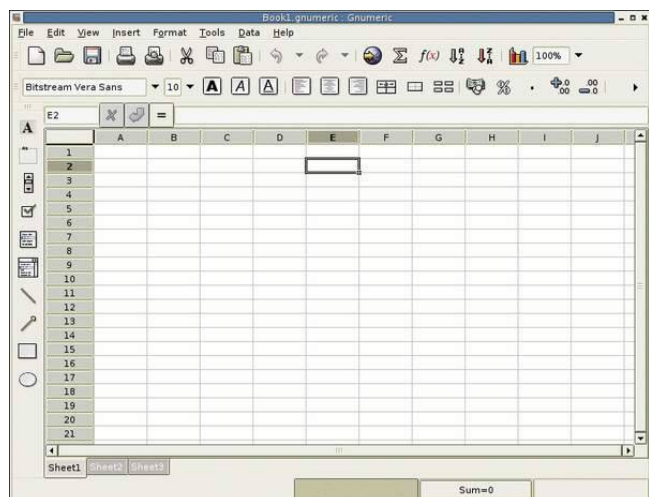
#### ***License***

The license is claimed to be GPL.

(image source: <http://www.gnome.org/projects/gnumeric/screenshots.shtml> )



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## **A.10 Personal or project assistants**

### **A.10.1 J-pilot**

#### **Purpose of the tool**

J-Pilot is a desktop organizer application for PalmOS devices. It supports a phone dialer, synchronization and editing of categories, 2-way Syncing, multiple backups.

It exports iCalendar format from ToDo and Datebook, vCard and Idif format from Address book. It allows postscript printing and provides support for colour scheme files.

#### **Current development status**

Version 0.99.7 released 29/02/2004

#### **The platforms on which it works**

Linux

#### **Location for download**

<http://www.jpilot.org>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

RPM binary packages are available.

#### **Available documentation**

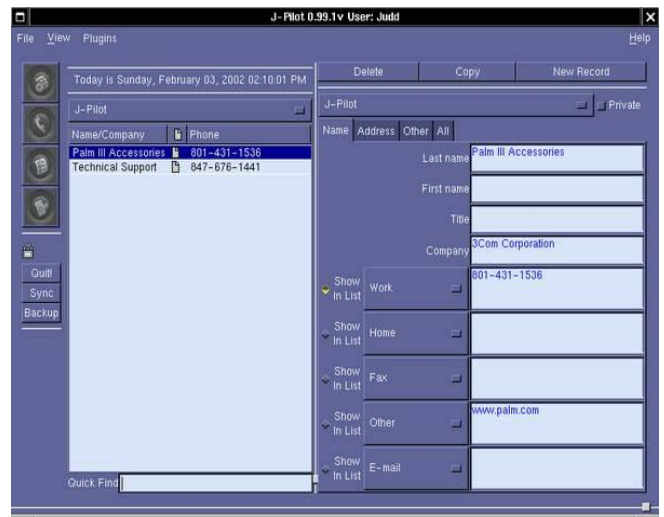
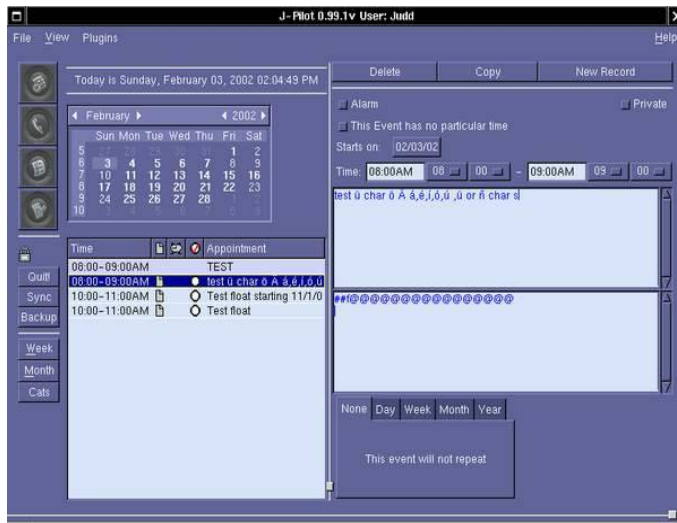
<http://www.henrikbecker.de/jpilot/jpilot-manual-en.html>

#### **License**

The license is claimed to be GPL.

(image source: <http://www.jpilot.org/sshots.html> )

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### **A.10.2 Kpilot**

#### **Purpose of the tool**

KPilot is an attempt to replace 3Com's Windows based hot sync software for the Palm Pilot. It includes an address editor, drag and drop memo support, file (prc/prb) installation, incremental hot-synchronization of whole pilot, as well as backup and restore capabilities. KPilot also supports conduits, currently offering a Pop Client conduit and a conduit to allow you to sync the Datebook with Korganizer.

#### **Current development status**

Version 4.4.3 beta 24/05/2004

#### **Platforms in which it works**

BSD, IRIX, Sun/Solaris

#### **Location for download**

[http://www.slac.com/pilone/kpilot\\_home/](http://www.slac.com/pilone/kpilot_home/)

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirement for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

To add

#### **Available documentation**

<http://docs.kde.org/en/3.2/kdepim/kpilot/>

#### **License**

The licenses it complies to are claimed to be GNU GPL and GNU LGPL.

### **A.10.3 Korganizer**

#### **Purpose of the tool**

KOrganizer is the KDE PIM/Calendar/Scheduling tool. It supports vCalendar, a flexible, open Internet standard for exchanging calendar information. This allows to migrate to KOrganizer without losing any existing data.

#### **Current development status**

Version 3.2.1 released 09/03/2004(as a part of KDE)

#### **Platforms in which it works**

BSD, IRIX, Sun/Solaris

#### **Location for download**

<http://korganizer.org/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

1 hour.

#### **Requirements to install and maintain the tool**

Available in easy to install RPM tools. Configuration is simple, and can be replicated easily.

#### **Available Documentation**

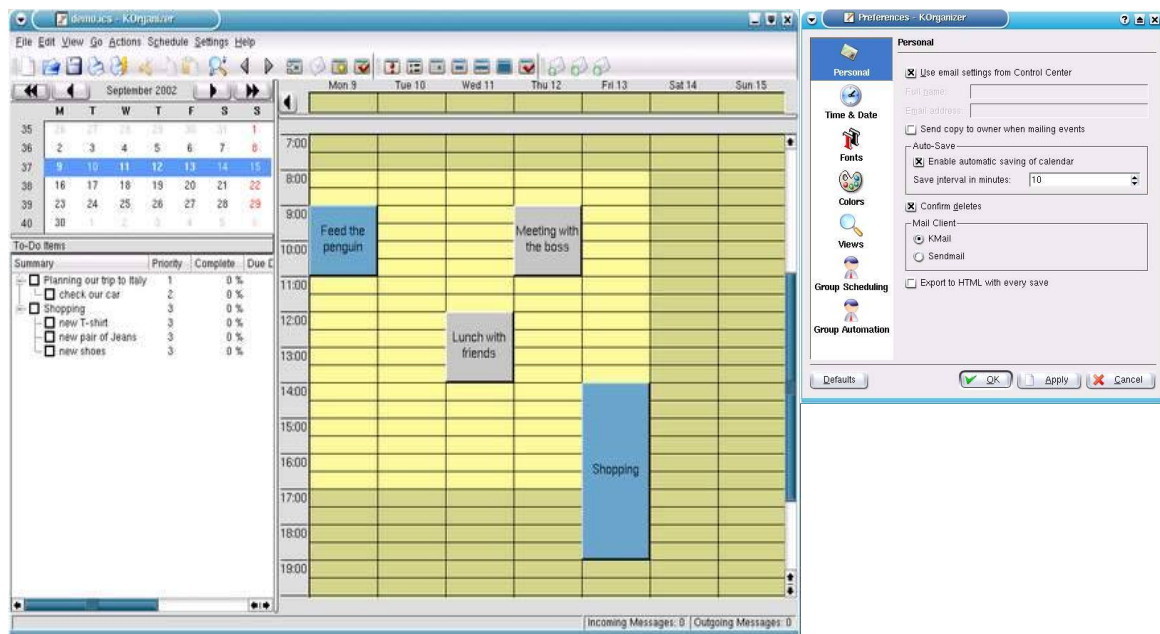
<http://docs.kde.org/en/3.2/kdepim/korganizer/>

#### **License**

The license it complies to is claimed to be GPL.

(image source: <http://korganizer.kde.org/learning/screenshots.html> )

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#### **A.10.4 Openworkbench**

##### **Purpose of the tool**

Workbench is a project management and scheduling tool. It allows the creation of work plans with tasks and milestones, and to schedule project plans with complex dependencies between resources, tasks, scheduling work on tasks over a period of time, adjusting the schedule as actual work is recorded.

Multiple views are supported, including Gantt, Phase Level Gantt charts, logical, PERT-style displays.

##### **Current development status**

Version: 1.0 released 26/06/2004

##### **The platforms on which it works**

Windows 2003 Server/XP

##### **Location for download**

<http://www.openworkbench.org/modules.php?name=Downloads>

##### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

##### **Requirements for training people using the tools**

As a basic project management tool, 4 hours. For more sophisticated use, 12 hours.

##### **Requirements to install and maintain the tool**

Distributed in an easy to install package. Requires JRE 1.3.1 or later.

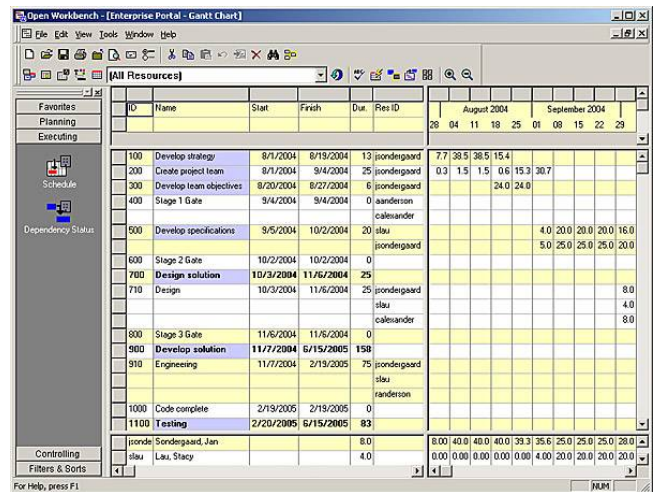
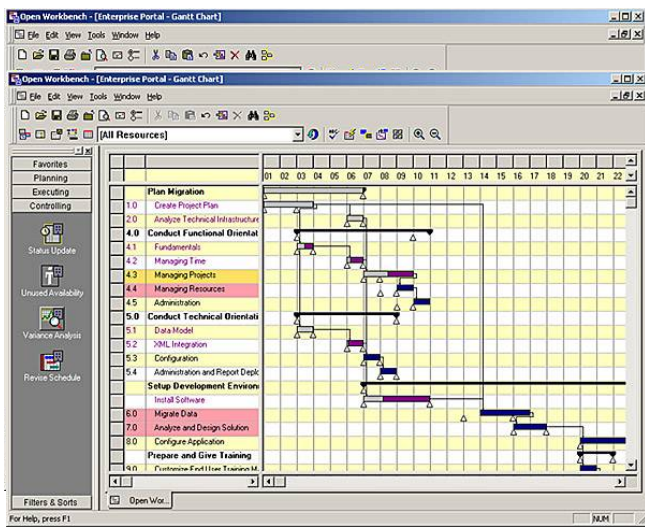
##### **Available documentationdocumentation**

[http://www.openworkbench.org/download/Using\\_Open\\_Workbench\\_1.0.pdf](http://www.openworkbench.org/download/Using_Open_Workbench_1.0.pdf) (when registered)

##### **License**

The licenses it complies to are claimed to be a version of the Mozilla license (image source: <http://www.openworkbench.org/modules.php?name=Product> )

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### **A.10.5 Planner**

#### **Purpose of the tool**

Planner is a tool for planning, scheduling and tracking projects. It allows the definition of tasks and subtasks and dependencies between tasks, display of the critical path and resources, resource groups and resource usage overview. It provides a calendar with working/non-working time, it allows HTML export of project plans, and it is available in nearly 20 languages.

#### **Current development status**

Version 0.12 released 08/07/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://imendio.com/projects/planner/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Given knowledge of project management concepts, approximately 2 hours.

#### **Requirements to install and maintain the tool**

Available in easy to install RPM packages.

#### **Available documentation**

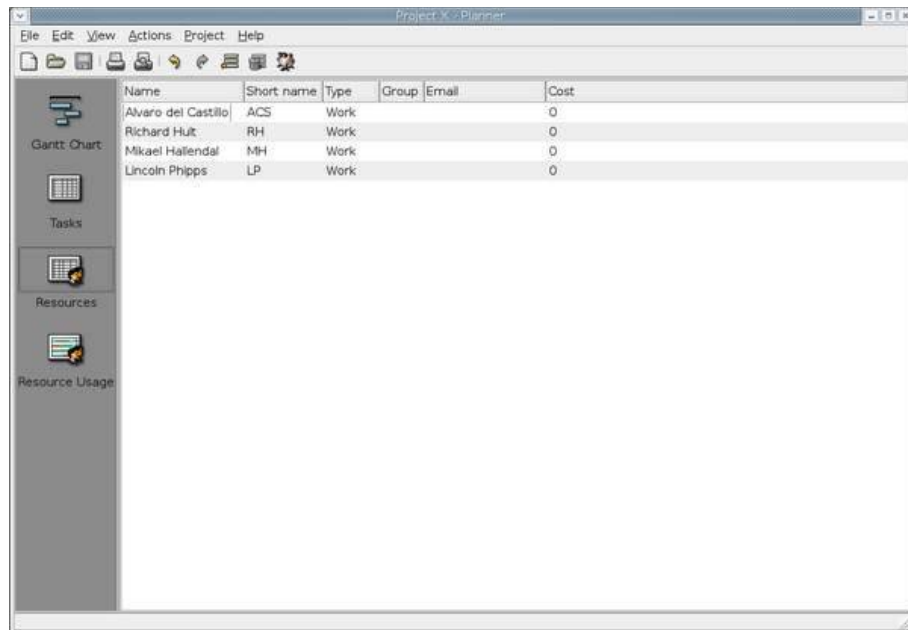
<http://www.imendio.com/projects/planner/user-guide/>

#### **License**

The license it complies to is claimed to be GPL.

(image source: <http://imendio.com/projects/planner/> )

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### **A.10.6 The Sunbird project**

#### **Purpose of the tool**

The Sunbird Project is a redesign of the Mozilla Calendar. It is an iCal compliant calendar module.

#### **Current development status**

Version 1.7 released 08/07/2004

#### **The platforms on which it works**

POSIX, Windows, MacOS/2

#### **Location for download**

<http://www.mozilla.org/projects/calendar/sunbird.html>

#### **Requirements for training people using the tools**

1 hour.

#### **Requirements to install and maintain the tool**

It is deployed as an auto-install xpi file for mozilla or firefox.

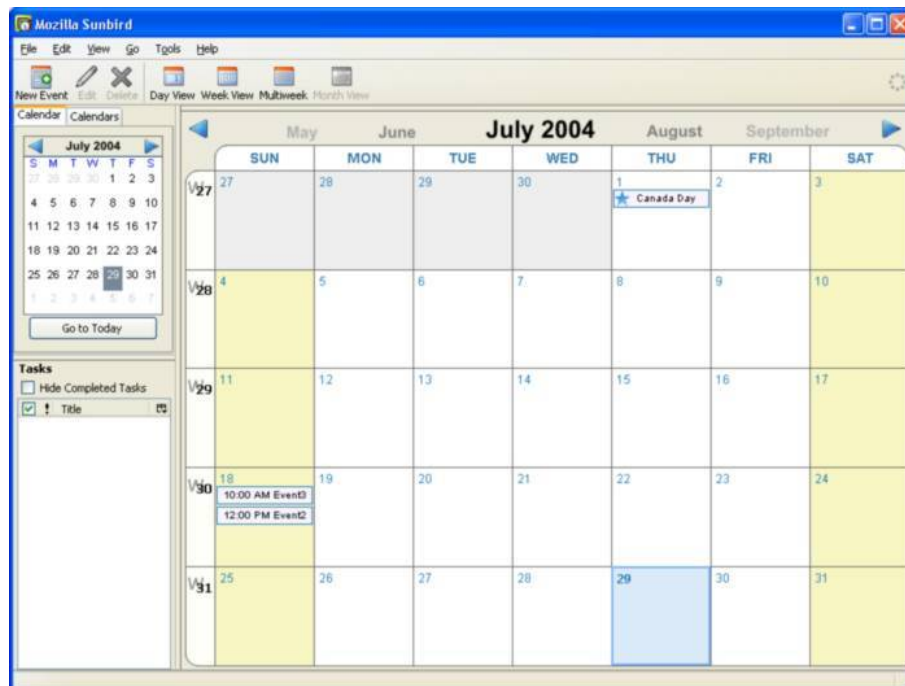
#### **Available documentation**

<http://www.mozilla.org/projects/calendar/faq.html#share>

#### **License**

The licenses it complies to are claimed to be Mozilla Public License version 1.1. More info on: <http://www.mozilla.org/MPL/MPL-1.1.html>.

(image source: <http://www.mozilla.org/projects/calendar/screenshot.html> )



### **A.10.7 The OSWorkflow Designer**

#### **Purpose of the tool**

The OSWorkflow Designer is a Swing-based GUI application to edit and manage workflows.

#### **Current development status**

Version 2.7.0 released 26/05/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://www.opensymphony.com/osworkflow/designer>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

4 hours.

#### **Requirements to install and maintain the tool**

While the package requires many individual components, the developers have made available an easy to use distribution with all the necessary tools already included.

#### **Available documentation**

<http://www.opensymphony.com/osworkflow/Tutorial.html;jsessionid=OODEIDNDCMG>  
N

#### **License**

Free download, no additional licensing specified.

## **A.11 Development tools and libraries**

### **A.11.1 Anjuta**

#### ***Purpose of the tool***

Ajuta is an IDE for GNOME. It includes customizable editor, and usual IDE editor facilities like automatic syntax highlighting, call-tips for Linux/GNOME function prototypes... Files can be opened in page or window mode. It also integrates interactive source-level debugger (built over gdb), built-in application wizards to create terminal/GTK/GNOME applications. In a file mode supports other languages like Java, Perl, Pascal.

#### ***Current development status***

Version 1.2.2 released 12/04/2004

#### ***The platforms on which it works***

POSIX

#### ***Location for download***

<http://anjuta.org/>

#### ***Intended audience***

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government

#### ***Requirements for training people using the tools***

For experienced developers: 2 hours

#### ***Requirements to install and maintain the tool***

RPM binary packages are available

#### ***Available documentation***

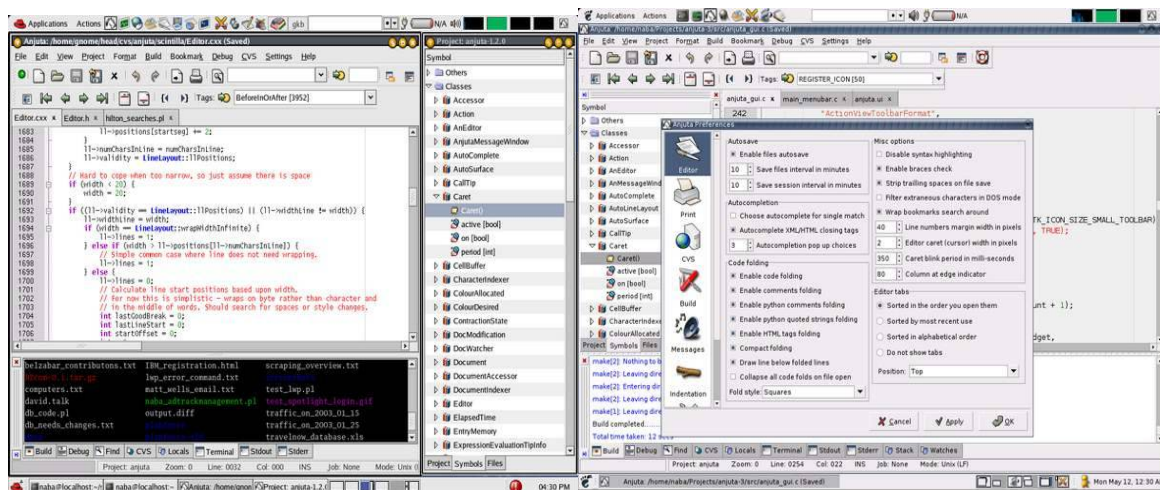
<http://anjuta.sourceforge.net/documents/C/anjuta-tutorial/index.html>

#### ***License***

The license is claimed to be GNU GPL.

(image source: <http://anjuta.sourceforge.net/anjuta.php?page=screenshots> )

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### **A.11.2 The Active BPEL**

#### **Purpose of the tool**

The ActiveBPEL is a runtime environment that executes process definitions created to the Business Process Execution Language for Web Services (BPEL4WS, or just BPEL) 1.1 specifications. The ActiveBPEL engine implements the BPEL4WS 1.1 specification including the full complement of BPEL activities, event handling, exception handling and scope/compensation management. It supports deployment, packaging, process persistence, event notifications, and console APIs.

#### **Current development status**

Version 0.9.4 Released 09/08/2004

#### **The platforms on which it works**

Linux

#### **Location for download**

<http://www.activebpel.org/download/index.html>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Users should have no interaction with this package

#### **Requirements to install and maintain the tool**

Binary WAR files are available for windows and Linux. Installation requires a working tomcat server. Creation of BPEL files manually may be complex.

#### **Available documentation**

[http://www.activebpel.org/docs/user\\_guide.html](http://www.activebpel.org/docs/user_guide.html)

#### **License**

The license is claimed to be GNU GPL, some parts of the engine are covered by other open source license agreements, such as GNU LGPL ( for details, <http://www.activebpel.org/licensing/index.html> )

### **A.11.3 DRT**

#### **Purpose of the tool**

DRT is a design recovery tool for interactive graphical applications running under the X Window System. The tool automatically captures actions performed while using these applications and identifies functions particularly relevant to each action. The actions are described visually from a fragment of the application display. One can search and browse these actions to learn about the design of an application.

#### **Current development status**

Version 0.4.3 released 05/01/2003

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://cgi.cse.unsw.edu.au/~drt/cgi-bin/index.php>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

Installation process requires compilation of source code.

#### **Available documentation**

<http://cgi.cse.unsw.edu.au/~drt/cgi-bin/index.php?category=documentation>

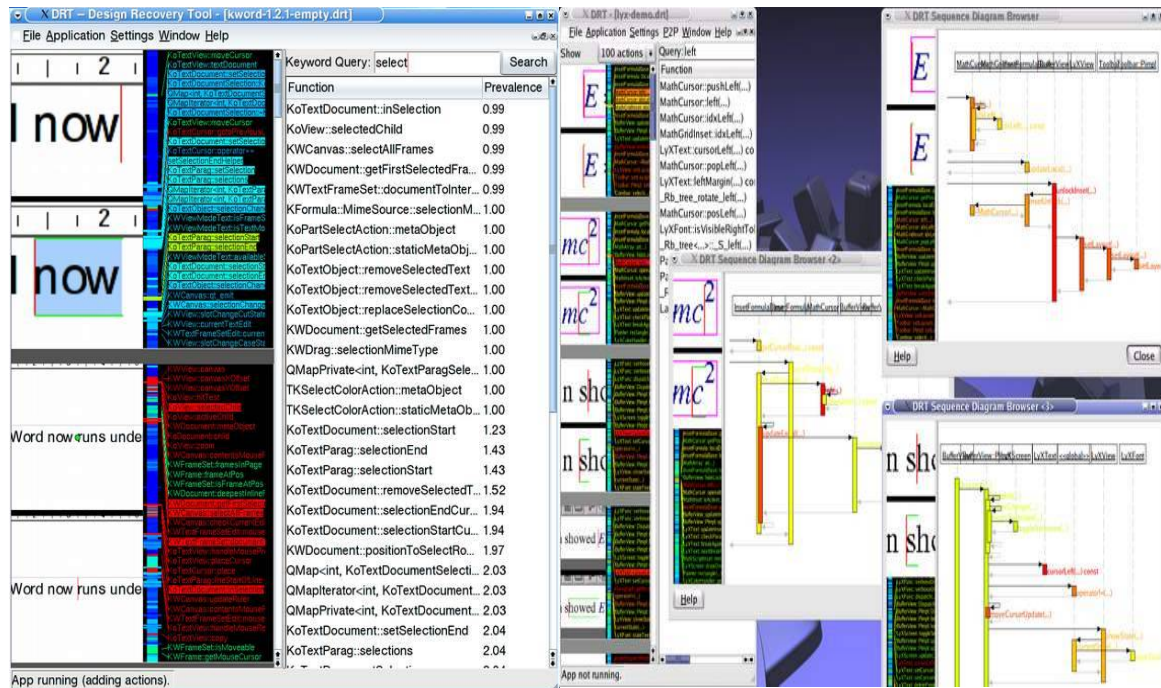
#### **License**

No information found.

(image source: <http://cgi.cse.unsw.edu.au/~drt/cgi-bin/index.php?category=screenshot> )



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### **A.11.4 Eclipse**

#### **Purpose of the tool**

Eclipse is a platform for the development of highly integrated tools. It provides environment for Java, C,C++, and other programming languages. Java IDE includes javadoc, auto-code completion facility for Java. It also provides the support for plug-ins, debuggers and allows simple refactoring.

#### **Current development status**

Version 3.1 released 13/07/2003

#### **The platforms on which it works**

Platform independent

#### **Location for download**

<http://www.eclipse.org>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

For experienced developers, basic usage: 2 hours. For sophisticated use: 18 hours.

#### **Requirements to install and maintain the tool**

Binary packages are provided for all the supported platforms.

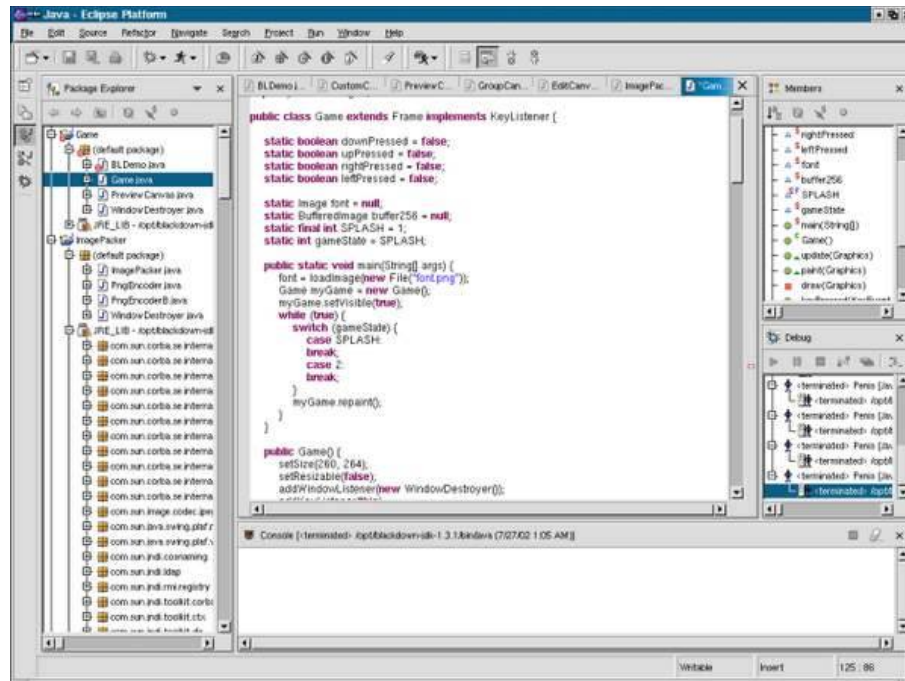
#### **Available documentation**

<http://www.eclipse.org/documentation/main.html/>

#### **License**

The software produced by the Eclipse Project is made available under the Common Public License. Third party components are made available under their own licenses (for details, <http://www.eclipse.org/legal/notice.html> ).

(image source: <http://freshmeat.net/screenshots/18096/> )



### **A.11.5 Foxserv**

#### ***Purpose of the tool***

FoxServ is an Apache/MySQL/PHP installer package for Windows and Linux. During installation user can configure the tool. It includes latest version of all contained packages, PHP as a module, PEAR, and the Zend Optimizer.

#### ***Current development status***

Version 3.0 released 01.08.2002; Version 3.1 Beta 16/01/2003

#### ***The platforms on which it works***

Windows 95/98/2000, Windows NT/2000, POSIX

#### ***Location for download***

<http://www.foxserv.net>

#### ***Requirements for training people using the tools***

User should have no interaction with this package

#### ***Requirements to install and maintain the tool***

Self-install binary package

#### ***Available documentation***

<http://www.foxserv.net/documentation/index.html>

#### ***License***

The license is claimed to be OpenContent License (OPL).

### **A.11.6 GNUstep**

#### **Purpose of the tool**

GNUstep is an object-oriented application framework and tool-set for use on a wide variety of computer platforms. GNUstep is based on the original OpenStep specification created by NeXT, Inc. (now Apple). It can be used to port desktop applications from Next/OpenStep.

#### **Current development status**

Version 1.8.0 released 26/09/2003

#### **The platforms on which it works**

POSIX, Darwin/PowerPC/ix86/SPARC, IRIX 6.5/MIPS, NetBSD, Netwinder, OSF Alpha, Solaris 2/SPARC/2,7, Windows with CYGWIN/MinGW, Yellowdog

#### **Location for download**

<http://www.gnustep.org/resources/sources.html>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

For interaction with the demo and embedded applications: less than 1 hour

#### **Requirements to install and maintain the tool**

RPM binary packages are provided.

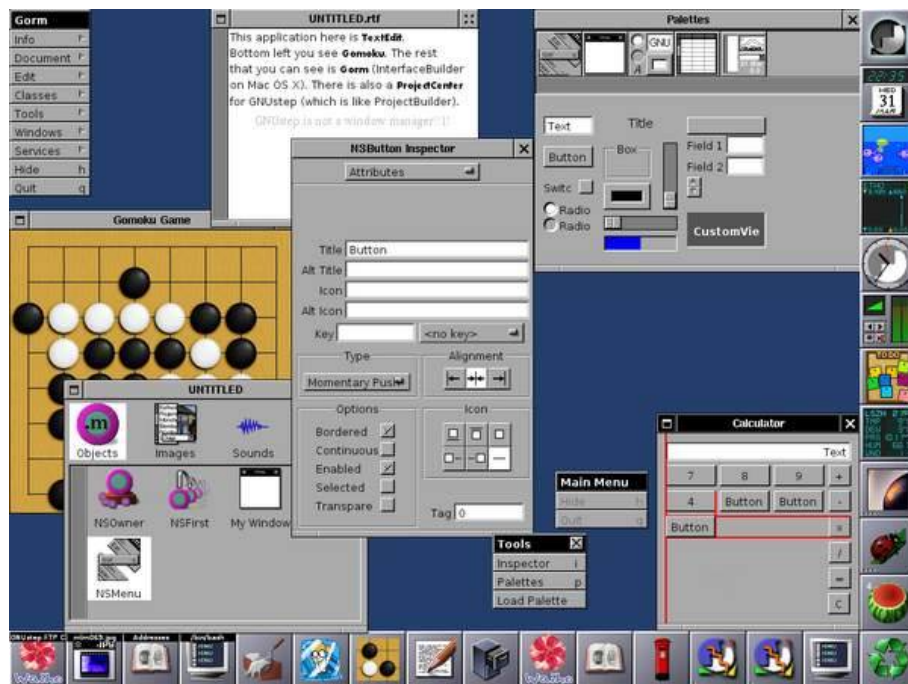
#### **Available documentation**

<http://www.gnustep.org/experience/documentation.html>

#### **License**

The license is claimed to be LGPL for the libraries and standard GPL for the stand-alone tools. (for details <http://www.gnustep.org/information/aboutGNUstep.html> )

(image source: <http://www.gnustep.org/images/> )



### **A.11.7 Guinstaller**

#### ***Purpose of the tool***

Guinstaller is the application that simplifies the process of installing and un-installing Linux source code. User can, in the running guinstaller, open the downloaded gzipped program that is to be installed. After some configuration (where to put the files, etc.), the program is compiled and installed.

#### ***Current development status***

Version 0.5.0 released 25/05/2003

#### ***The platforms on which it works***

POSIX

#### ***Location for download***

<http://www.hsdm.com/usr/guinstaller/>

#### ***Requirements for training people using the tools***

Minimal

#### ***Requirements to install and maintain the tool***

Binary RPM files are provided

#### ***Available documentation***

<http://www.hsdm.com/usr/guinstaller/doc/index.php>

#### ***License***

The license information can be found on <http://www.hsdm.com/usr/guinstaller/license.txt>

### **A.11.8 Kdevelop**

#### **Purpose of the tool**

KDevelop is an IDE for creation and development of GNU Standard Applications in C++ integrating compiler, linker, debugger and a build system. Editor can be selected among KWrite, Trolltec's QEditor, or others. Application Wizard generates sample applications, class generator - new classes and integrates them into the current project. It has auto-code completion facility, automatic HTML-based API-documentation. It supports internationalization and version control.

#### **Current development status**

Version 3.0.4 released 09/06/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

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

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

For experienced developers, basic usage: 2 hours. Sophisticated usage: 10 hours.

#### **Requirements to install and maintain the tool**

RPM binary packages are provided. Many recent distributions include Kdevelop along with the basic KDE installation.

#### **Available documentation**

<http://docs.kde.org/en/3.2/kdevelop/kdevelop>

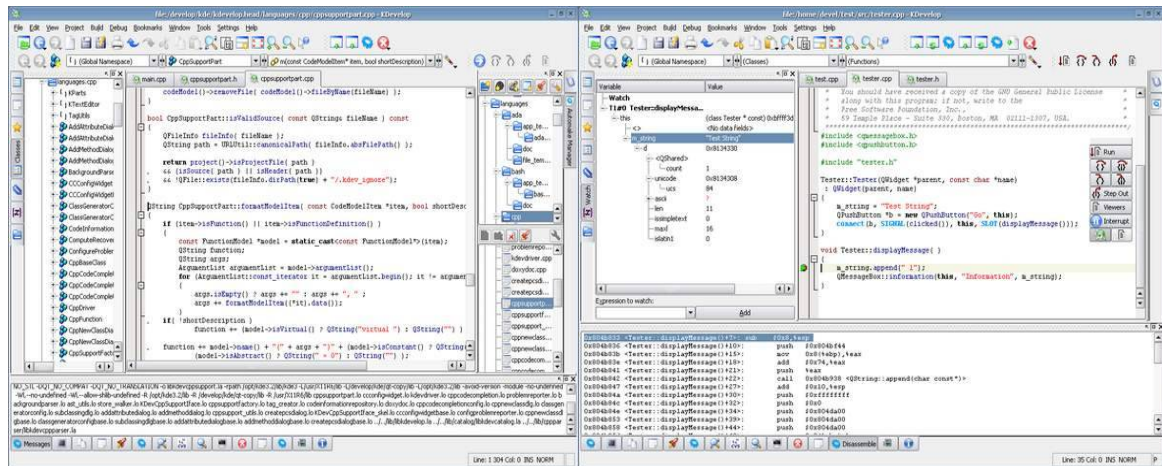
#### **License**

The license is claimed to be GPL.

(image source: <http://www.kdevelop.org/index.html?filename=3.1/screenshots1.html> )



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### **A.11.9 Libmspack**

#### **Purpose of the tool**

The purpose of libmspack is to provide both compression and decompression of some loosely related file formats used by Microsoft. The intention is to support all of the following formats: COMPRESS.EXE/KWAJ, Microsoft Help, Microsoft Cabinet ,HTML Help, and Microsoft eBook. Used in The WINE Project, WxWidgets, HerdSoft, OpenOffice.org , CaptureNTFS, and cabextract.

#### **Current development status**

Version 0.0.20040308alpha 03/08/2004

#### **The platforms on which it works**

OS independent

#### **Location for download**

<http://www.kyz.uklinux.net/libmspack/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Users should have no interaction with this package

#### **Requirements to install and maintain the tool**

Source code compilation is required for install

*Available documentation*

<http://www.kyz.uklinux.net/libmspack/doc/> (API)

#### **License**

The license is claimed to be LGPL, version 2.

### **A.11.10 Mono**

#### **Purpose of the tool**

Mono is a development platform (IDE, debugger, and documentation browser) based on the .NET framework for Linux and cross-platform application deployment. It includes a C# compiler, an ECMA-compatible runtime engine (CLR), and class libraries: for Microsoft .NET compatibility (ADO.NET, ASP.NET), Gtk#, .NET bindings for the gtk+ toolkit and it's own and third party libraries. Included GNOME libraries allow native Gnome application deployment.

#### **Current development status**

Version 1.0 Alpha release 30/06/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://www.mono-project.com/about/index.html>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Users should have no interaction with this package

#### **Requirements to install and maintain the tool**

RPM binary packages are available

#### **Available documentation**

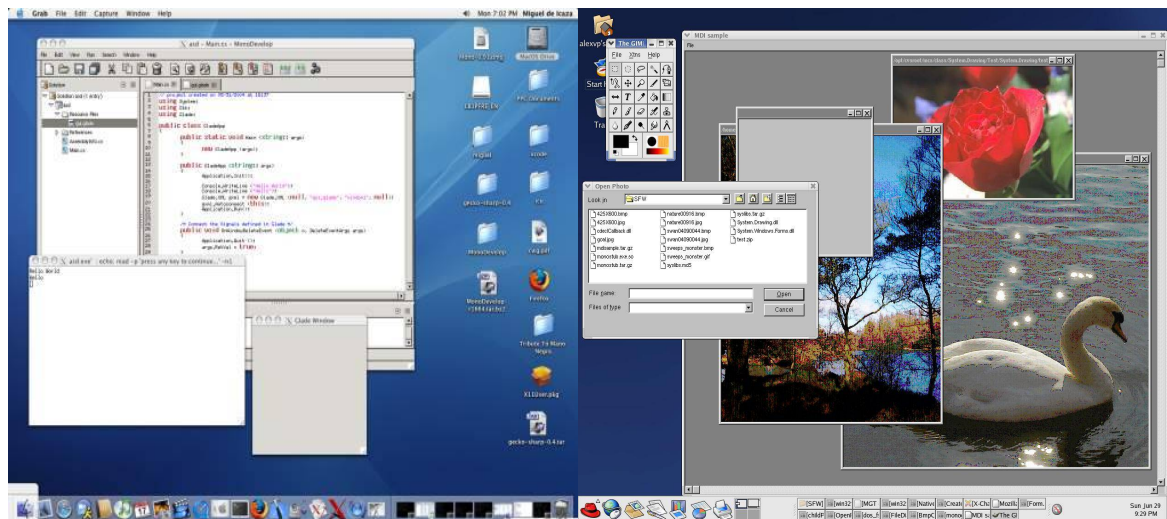
<http://www.mono-project.com/using/index.html>

#### **License**

The license is claimed to be GNU General Public License (GPL). The runtime libraries are under the GNU Library GPL 2.0 (LGPL 2.0), and the class libraries are released under the terms of the MIT X11 license. More information can be found on: <http://www.mono-project.com/about/licensing.html>

(image source: <http://www.mono-project.com/about/applications.html> )

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### **A.11.11 Software suspend**

#### **Purpose of the tool**

Software suspend is the tool that saves the contents of memory to the disk - creates an image (the maximum size and the compression type, LZF or GZIP, to be specified), saves it in swap partition (any number of partitions and/or files is supported) - and powers down. When the computer is start up again, the kernel detects the saved image and restores it. It supports full asynchronous I/O, and read-ahead for synchronous I/O for maximum throughput, back-ends, highmem (up to 4GB), SMP (on 2.4) and pre-emptive kernels. The suspend cycle can be cancelled. Data transformers for compression and encryption can be deployed as plug-ins.

#### **Current development status**

Version 2.0 Released 30/01/2004

#### **The platforms on which it works**

Linux

#### **Location for download**

<http://softwaresuspend.berlios.de/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Users should have no interaction with this package

#### **Requirements to install and maintain the tool**

Installation requires compilation of a custom Linux kernel

#### **Available documentation**

<http://softwaresuspend.berlios.de/Software-suspend.html>

#### **License**

The license is claimed to be GNU GPL.

### **A.11.12 Umbrello UML**

#### **Purpose of the tool**

Umbrello UML Modeller is a Unified Modelling Language diagram programme for KDE. It allows creation of diagrams, like deployment and component diagrams, and other systems in a standard format. It supports parametrized classes (templates in C++, Generics in Java 1.5), enums, datatypes, and packages, and re-factoring. The code generators for C++ and Java allow users to edit the code. It also includes code generators for Perl, Python, SQL, ADA, ActionScript, JavaScript, IDL, XML Schema.

#### **Current development status**

Version 1.3 released 16/08/2004

#### **The platforms on which it works**

POSIX

*Location for download*

<http://uml.sourceforge.net/index.php>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

For experienced developers: 2 hours

#### **Requirements to install and maintain the tool**

RPM binary packages are available.

#### **Available documentation**

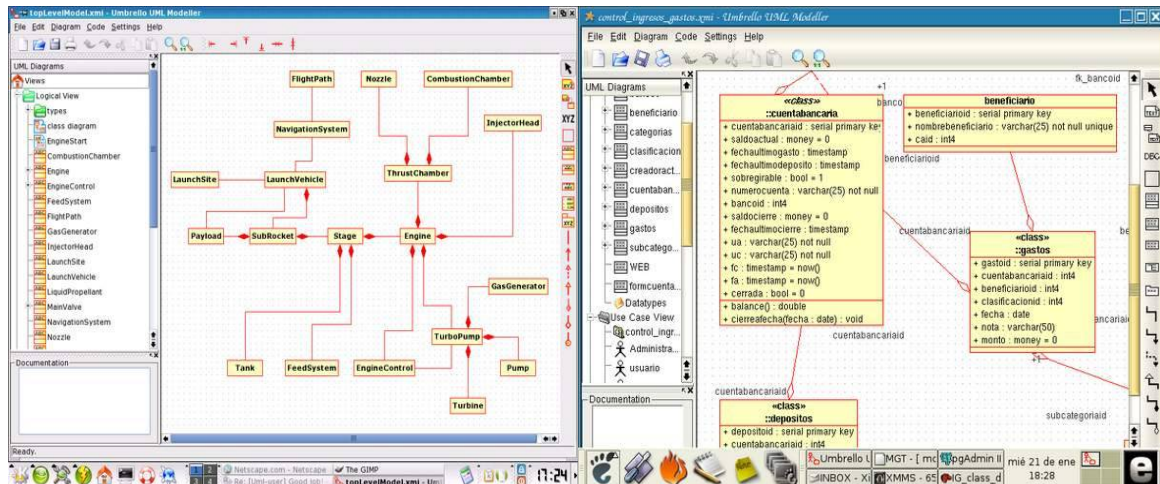
<http://docs.kde.org/en/HEAD/kdesdk/umbrello/>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://uml.sourceforge.net/screen.php> )

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### **A.11.13 xHarbour**

#### **Purpose of the tool**

xHarbour is backward compatible xBase superset language compiler and Pre-Processor. xBase superset language, often referred to as Clipper, is the language that is implemented by the compiler CA-Clipper. It is used to port existing xBase applications under Linux.

#### **Current development status**

Version 0.99 Released 28/06/2004

#### **The platforms on which it works**

Windows, DOS, OS/2, OS X(Mac), Linux

#### **Location for download**

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

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Users should have no interaction with this package.

#### **Requirements to install and maintain the tool**

Binaries are available for all the supported platforms.

#### **Available documentation**

<http://www.xharbour.info/>

#### **License**

The license is claimed to be GNU GPL, some parts may adopt another license type (see <http://www.xharbour.info/license.htm> for details)

## **B. Communication and management of public sector documents**



## **B.2 E-mail, groupware and instant messaging clients**

### **B.2.1 Evolution**

#### **Purpose of the tool**

Evolution is a personal information-management tool, containing a mailer, calendar, contact manager, and communication application for the GNOME desktop environment. It allows viewing and sending e-mails and supports user-defined email filters. It provides iCalendar and palm device support with two-way synchronization between Evolution (calendar, address book and task list) and user's Palm hand-held device. It is LDAP compatible to support company address book sharing, supports vCards, and provides security and encryption through PGP/GPG, SASL and SSL/TLS.

#### **Current development status**

Version 1.4.6 released 27/05/2004

#### **The platforms on which it works**

SUSE LINUX 9.0/8.2, SUSE LINUX Desktop 1.0, Red Hat Linux 9.0/8.0/7.3 Linux  
Mandrake 9.1 Sun Solaris

*Location for download*

<http://www.novell.com/products/evolution/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

1 hour for the email component, 1 hour for the calendaring and collaboration features.

#### **Requirements to install and maintain the tool**

Available in easy to install RPM packages. Currently, the groupware plug-ins for Exchange and GroupWise are available separately, and needs to be installed alongside Evolution, slightly increasing install effort. Next version will supply plug-ins directly in the main package.

#### **Available Documentation**

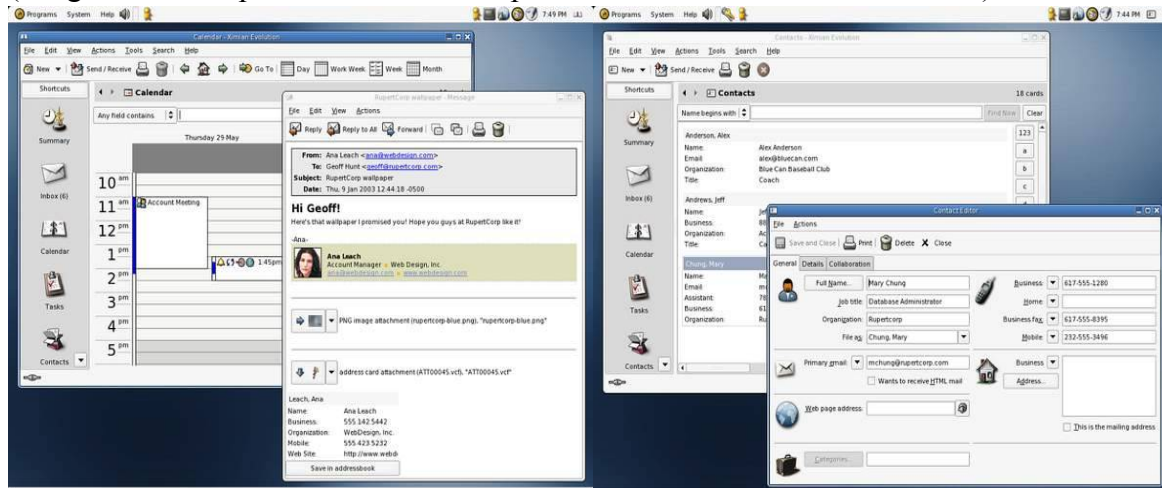
<http://www.novell.com/documentation/nld/evolution/html/>

#### **License**

The license it complies to is claimed to be GPL.

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(image source: <http://www.novell.com/products/evolution/screenshots.html> )



## **B.2.2 Gaim**

### **Purpose of the tool**

Gaim is a multi-protocol instant messaging (IM) client. It is compatible with AIM (Oscar and TOC protocols), ICQ, MSN Messenger, Yahoo!, IRC, Jabber, Gadu-Gadu, and Zephyr networks. It supports simultaneous logging with multiple accounts on multiple IM networks and integrates well with DE system tray. Gaim supports away messages, typing notification, and MSN window closing notification, various plug-ins, and unique features like “buddy pounces” that notifies users, sends a message, plays a sound, or runs a program when a specific buddy does some action.

### **Current development status**

Version 0.81 relased 05/08/2004

### **The platforms on which it works**

Linux, BSD, MacOS X, and Windows, Qtopia

*Location for download*

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

### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

### **Requirements for training people using the tools**

Less than 1 hour.

### **Requirements to install and maintain the tool**

RPM packages are available.

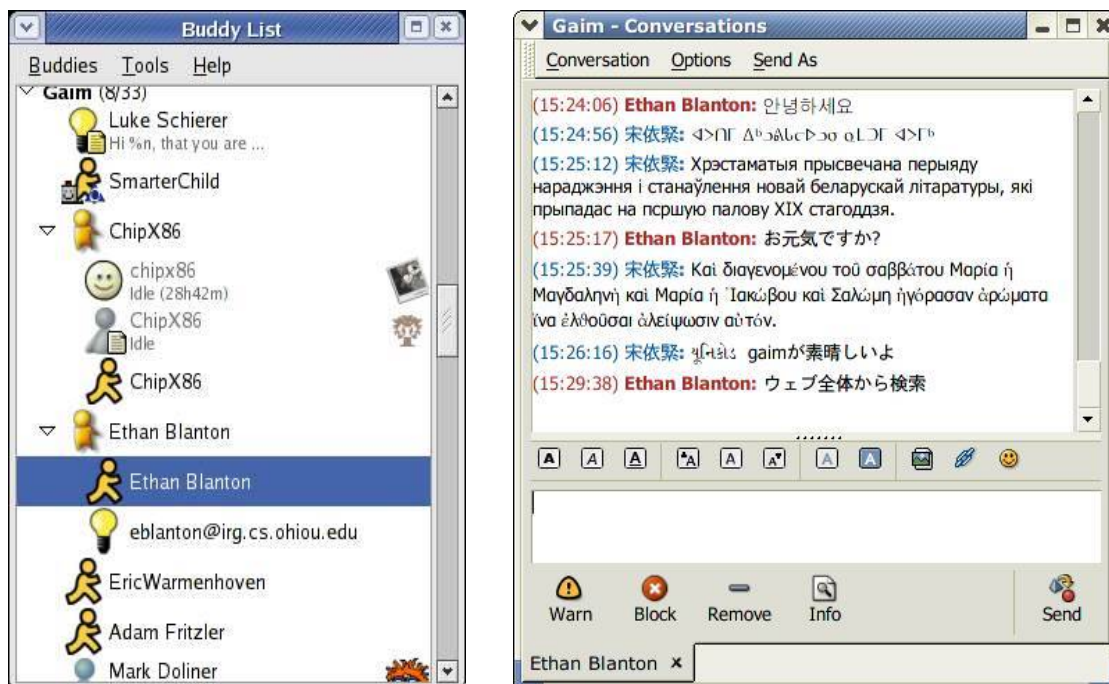
### **Available documentation**

<http://gaim.sourceforge.net/documentation.php>

### **License**

The license it complies to is claimed to be GPL.

(image source: <http://gaim.sourceforge.net/screenshots.php> )



### **B.2.3 GnomeMeeting**

#### **Purpose of the tool**

GnomeMeeting is an H.323 compatible videoconferencing and VOIP/IP-Telephony application that allows audio and video calls to remote users with H.323 hardware or software (such as Microsoft NetMeeting). It includes dial pad and allows advanced personal settings management. It supports registering to and browsing an ILS directory, gatekeeper support, making multi-user conference calls using an external MCU, using modern Quicknet telephony cards, and making PC-To-Phone calls.

It includes dynamic Jitter Buffer, dynamic threshold algorithm for silence detection, automatic video bandwidth limitation, video transmission/reception control, address book with speed dials and H.323/call-to URLs, advanced call history with placed, received and unanswered calls and ability to call back users, auto answer and do-not-disturb mode.

#### **Current development status**

Version 1.0.2 released 05/04/2004

#### **The platforms on which it works**

Linux with Gnome or KDE

*Location for download*

<http://www.gnomemeeting.org/index.php?rub=5>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

RPM packages are available. Most distribution include GnomeMeeting in the default install.

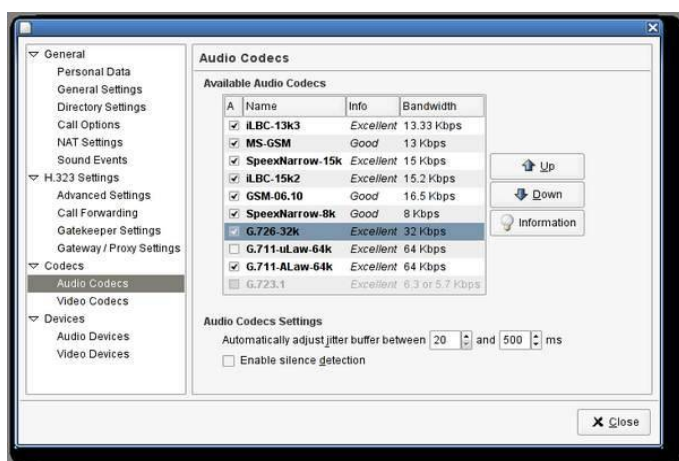
*Available documentation*

<http://www.gnomemeeting.org/index.php?rub=3>

## License

The licenses it complies to are claimed to be GPL with a special exception that a developer has a permission to link or otherwise combine this program with the programs OpenH323 and Pwlib, and distribute the combination, without applying the requirements of the GNU GPL to the OpenH323 program, as long as the requirements of the GNU GPL for all the rest of the software thus combined are followed.

(image source: <http://www.gnomemeeting.org/index.php?rub=4> )



### **B.2.4 Gossip**

#### **Purpose of the tool**

Gossip is an instant messaging client for the GNOME environment. It is layered on top of the open protocol Jabber. It provides representation of user contacts, sending and receiving messages, group chatting, keeping the log of all user conversations, and sound notification.

#### **Current development status**

Version 0.7.6 released 24/06/2004

#### **The platforms on which it works**

Linux with Gnome

*Location for download*

<http://www.imendio.com/projects/gossip/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

RPM packages are available.

#### **Available documentation**

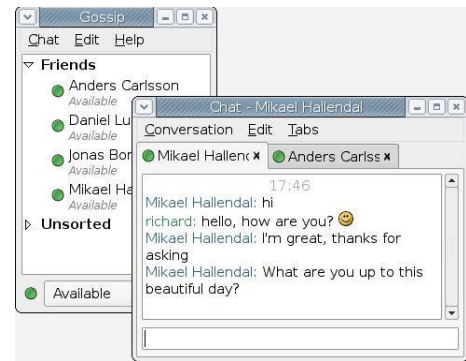
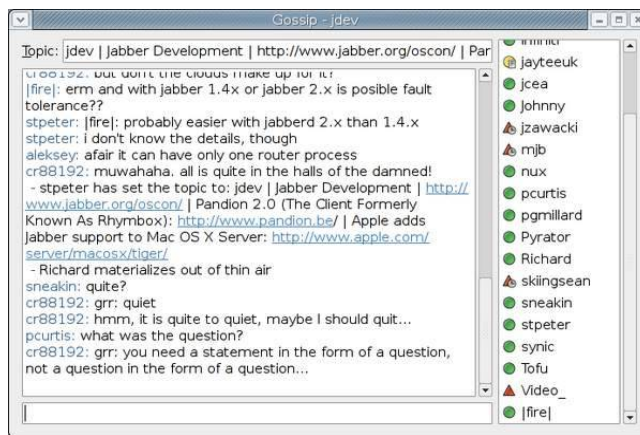
<http://lists.imendio.com/pipermail/gossip-dev/2003-November/000516.html>

#### **License**

The license it complies to is claimed to be GPL.

(image source: <http://www.imendio.com/projects/gossip/> )

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## **B.2.5 Haystack**

### **Purpose of the tool**

Haystack is the universal information client. It lets users manage all of their information in the way that makes the most sense to them. It is designed to enable developers to build Semantic Web applications for end users, incorporating both code for processing RDF, ontologies/schemas, and user interface components. It allows user to keep information in one place, to right click anything, drag and drop. It provides an e-mail and instant messaging capability in an unique module and personal digital library.

### **Current development status**

Version 112503 Released 15/12/2003

### **The platforms on which it works**

POSIX, Windows

### **Location for download**

<http://haystack.lcs.mit.edu/>

### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

### **Requirements for training people using the tools**

The tool is unusual in its integration of different data sources, and this requires a longer adaptation time. We can estimate the training requirement to be around 4 hours for basic usage.

### **Requirements to install and maintain the tool**

The software requires several additional libraries, and the Eclipse development environment. Install and setup time can be expected in 5 hours. Windows releases are simpler and more stable in this version. Requires Windows 2000/XP, at least 1 gigabyte of disk space (or more, as the repository grows) and JDK 1.4

### **Available Documentation**

Not available.

### **License:**

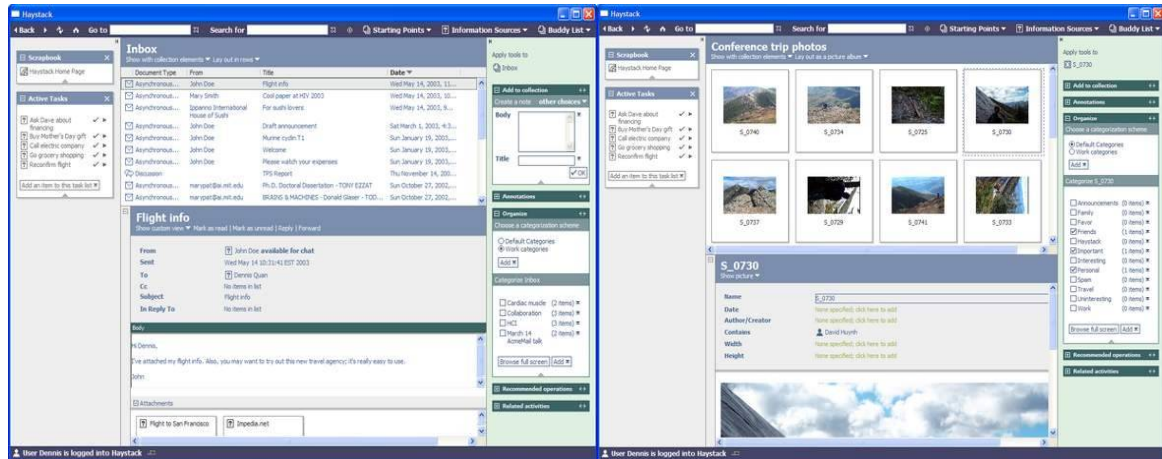
Copyright (c) 1998-2003 Massachusetts Institute of Technology. This code was developed as part of the Haystack research project (<http://haystack.lcs.mit.edu/>). Permission is hereby granted, free of charge, to any person obtaining a copy of this software and

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associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

(image source: <http://haystack.lcs.mit.edu/screenshots.html> )



## **B.2.6 Infusion**

### **Purpose of the tool**

Infusion is a cross-platform communications environment. It is designed to work with the Citadel/UX Communications Server. It supports e-mail messaging, live chatting between users, pop-up sticky notes, and a shared contact list.

### **Current development status**

Version 0.61 released 11/09/2001

### **The platforms on which it works**

POSIX

### **Location for download**

<http://www.shadowcom.net/Software/infusion/download.html>

### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
	Central government
Expert Users	
End Users	

### **Requirements for training people using the tools**

2 hours for all the functionality.

### **Requirements to install and maintain the tool**

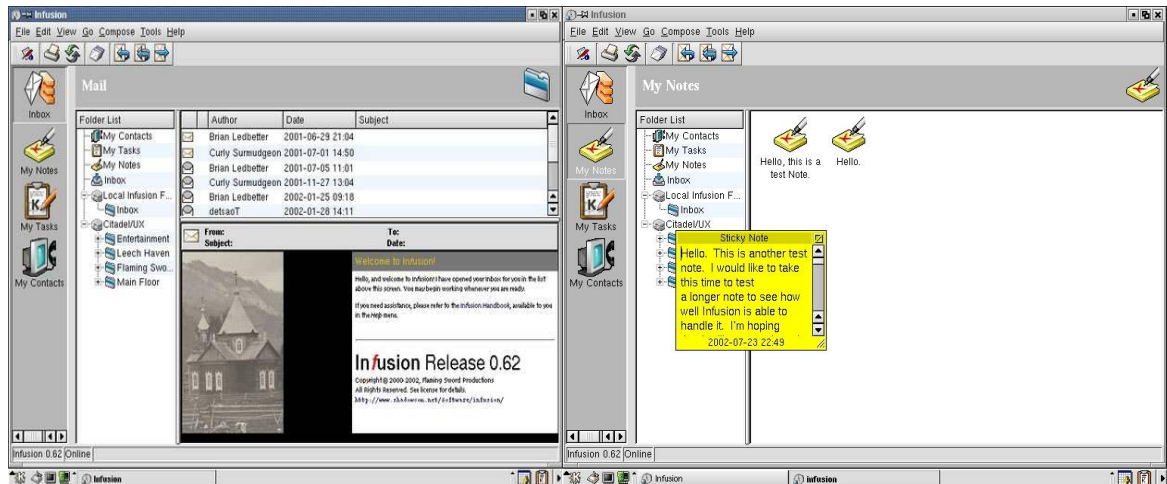
Available in easy to install RPM packages.

### **Available Documentation**

Not available

### **License**

The license is claimed to be BSD-like. (/http://www.freebsd.org/copyright/license.html).  
(image source: <http://www.shadowcom.net/Software/infusion/screenshots.html> )



### **B.2.7 Kopete**

#### **Purpose of the tool**

Kopete is a multiple protocol instant messaging system. It is designed as a plugin-based system. The protocols are plug-ins allow modular configuration, installation, and usage without the main application knowing anything about the plug-in being loaded.

#### **Current development status**

Version 0.8.4 released 10/07/2004

#### **The platforms on which it works**

Unix/Linux - SuSE 9.0 (Version 0.8.0), RedHat 9, Slackware 9.1 (Version 0.7.3)

#### **Location for download**

<http://kopete.kde.org/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

RPM packages are available. Most distributions include the package by default with the KDE install.

#### *Available documentation*

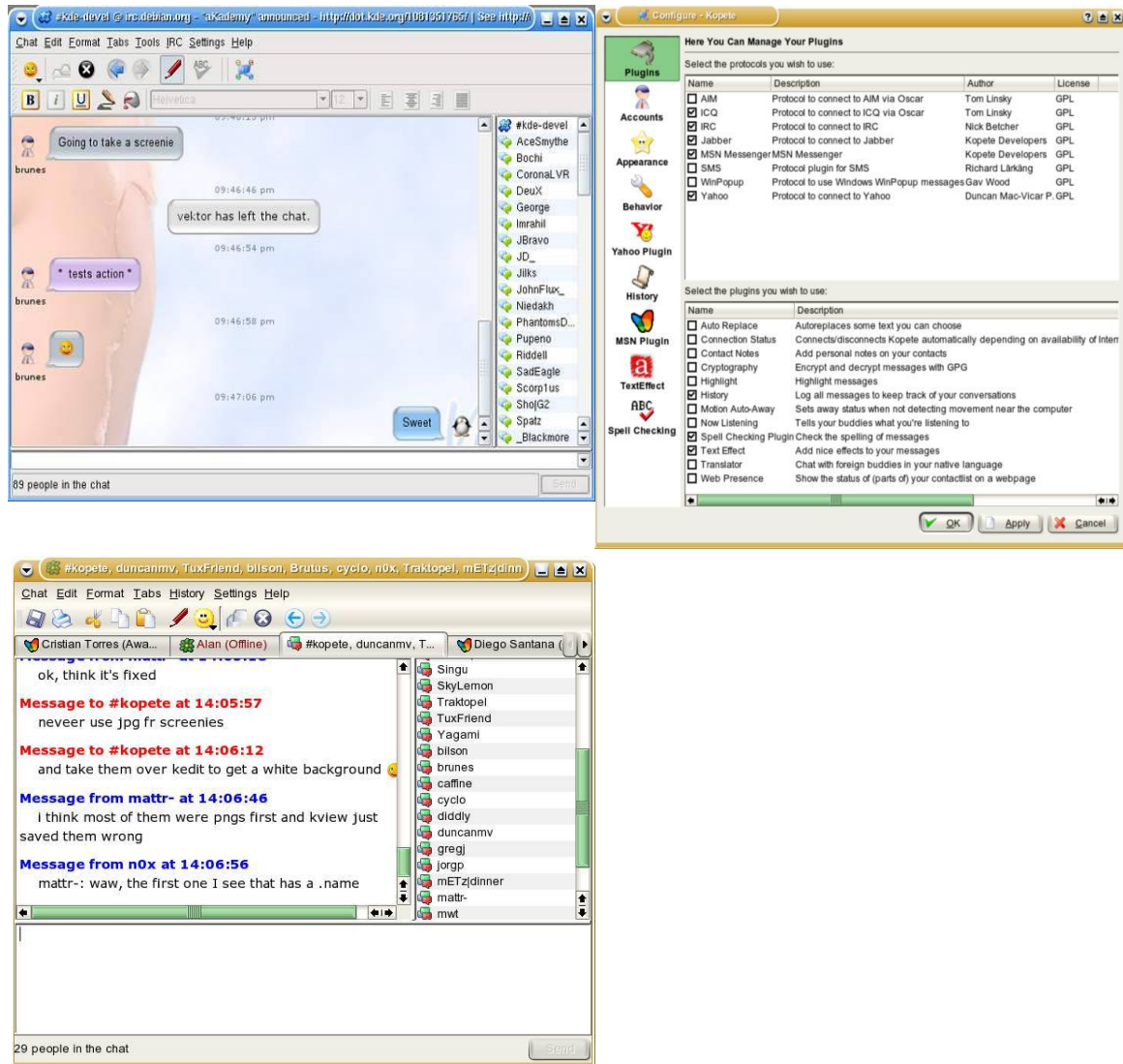
<http://docs.kde.org/en/3.2/kdenetwork/kopete/>

#### **License**

The license it complies is claimed to be GNU GPL.

(image source: <http://kopete.kde.org/index.php?page=screenshots> )

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### **B.2.8 Lookout97**

#### **Purpose of the tool**

lookout97 is a Python script that translates address book export files generated by Microsoft Outlook 97 into either the KDE browser address book format or the GNOME gnome-card address book format (vCard subset).

#### **Current development status**

Version 1.4 stable released 29/12/2003

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://www.catb.org/~esr/lookout/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

RPM packages are available.

#### **Available documentation**

<http://www.catb.org/~esr/lookout/lookout.html>

#### **License**

The license is claimed to be GNU GPL.

### **B.2.9 OpenC6**

#### **Purpose of the tool**

OpenC6 is a C6 instant messaging client and implements the c6 protocol used in Italian network.

#### **Current development status**

Version 0.9.6-beta, 22/06/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://www.kde-apps.org/content/show.php?content=13695>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

RPM packages are available.

*Available documentation*

Not available

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://openc6.sourceforge.net/screenshot.htm> )





### **B.2.10 Phoneygaim**

#### **Purpose of the tool**

PhoneGaim is a GAIM instant messenger with support to SIP Voice over IP. PhoneGaim combines the SIP (Session Initiation Protocol) technology used for establishing simple two-way telephone calls over the Internet with Gaim, an instant messaging client that bridges many different IM services (e.g. AIM, MSN, Yahoo!, ICQ).

#### **Current development status**

Version 0.79 released 17/08/2004

#### **The platforms on which it works**

Linux

#### **Location for download**

<http://www.phoneygaim.com/download.html>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour

#### **Requirements to install and maintain the tool**

Requires compilation from source code.

#### **Available documentation**

Not available

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.phoneygaim.com/screenshots.html> )



### **B.2.11 Silky**

#### **Purpose of the tool**

Silky is a secure chat client using the SILC protocol. SILC is a conferencing protocol providing high security. The SILC network topology allows better scalability and faster delivery of packets than traditional spanning tree style network as it forms hybrid ring-mesh network at the router level, and star network at the server level. Many of the SILC features are found in chat and IM style protocols.

To run properly it requires only GTK2 runtime libraries.

#### **Current development status**

Version 0.5.1 released 18/04/2004

#### **The platforms on which it works**

POSIX, Windows NT4/ 2000/XP

#### **Location for download**

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

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

RPM binary packages are available.

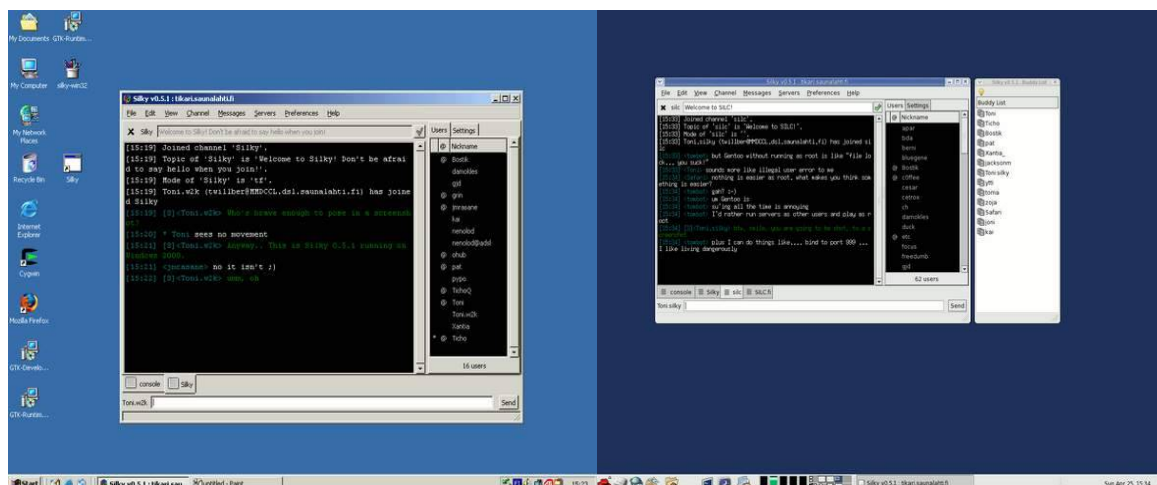
#### **Available documentation**

Not available

#### **License**

The license is claimed to be GNU GPL.  
(image source: <http://silky.sourceforge.net/> )

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## **B.2.12 Sylpheed**

### **Purpose of the tool**

Sylpheed is an e-mail client and a news reader with posting capability, based on GTK+. Sylpheed supports multiple accounts, thread display, filtering and MIME attachments. It provides built-in image view, X-Face display and colour labels. It supports Mew/Wanderlust compatible key bindings, multiple MH folders, Mbox import/export, external editor, XML-based address book, and usual e-mail client functionalities like clickable URLs, printing, draft message support...

### **Current development status**

Version 0.9.12 released 17/06/2004

### **The platforms on which it works**

POSIX

### **Location for download**

<http://sylpheed.good-day.net/>

### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

### **Requirements for training people using the tools**

Less than 1 hour.

### **Requirements to install and maintain the tool**

Available in easy to install RPM packages. Requires GTK+ 1.2.6 or later

### **Available Documentation**

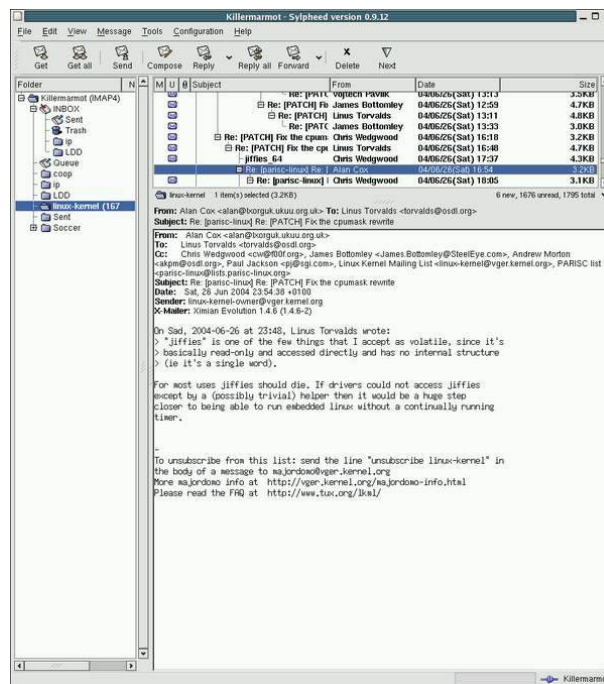
<http://sylpheeddok.sourceforge.net/en/manual/manual.html>

### **License**

The license is claimed to be GNU GPL.

(image source: <http://sylpheed.good-day.net/#screenshot> )

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### **B.2.13 Thunderbird**

#### **Purpose of the tool**

Thunderbird is an e-mail client. It includes anti-spam tools, encryption (S/MIME, digital signing, message encryption, support for certificates and security devices), and external plug-ins. It allows toolbar customization, themes and uses Mail Views to quickly sort the e-mail. Thunderbird has IMAP/POP support, HTML mail support, labels, quick search, smart address book, return receipts, advanced message filtering, LDAP address completion, import tools, search, and multiple e-mail and newsgroup accounts management.

#### **Current development status**

Version 0.7 released 14/06/2004

#### **The platforms on which it works**

POSIX, Windows and MacOS

#### **Location for download**

<http://www.mozilla.org/products/thunderbird/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

2 hours for all the functionality.

#### **Requirements to install and maintain the tool**

Available with easy to use installers.

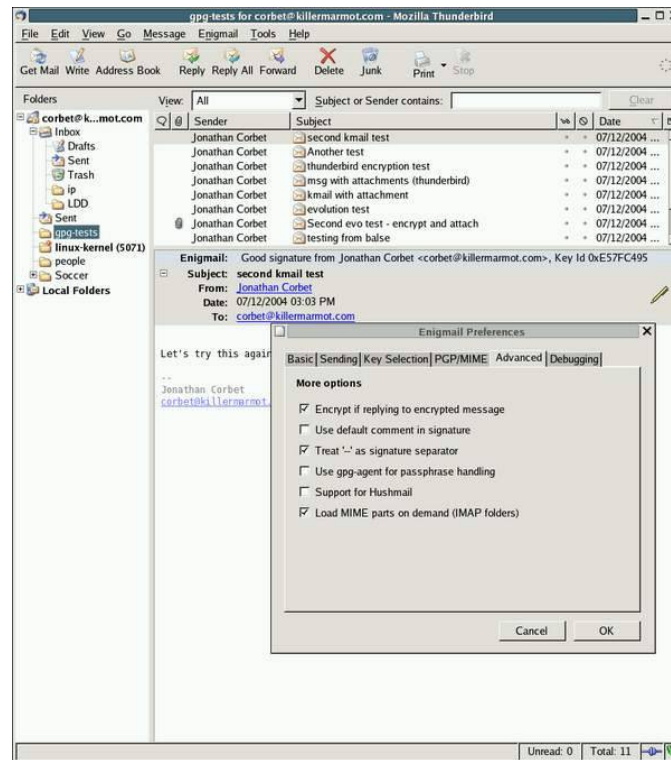
#### **Available documentation**

<http://www.mozilla.org/products/thunderbird/releases/#support>

#### **License**

The licenses it complies to are claimed to be Mozilla Public License version 1.1. More info on: <http://www.mozilla.org/MPL/MPL-1.1.html>.  
(image source: <http://lwn.net/Articles/93760/> )





## **B.4 Printing and faxing**

### **B.4.1 Gfax**

#### ***Purpose of the tool***

Gfax is a fax application for Gnome desktop environment. It presents the pop up window when printing to a fax printer. Gfax currently works with HylaFax.

#### ***Current development status***

Version 0.6.4 released 05/07/2004

#### ***The platforms on which it works***

Linux

*Location for download*

<http://gfx.cowlug.org/>

#### ***Intended audience***

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### ***Requirements for training people using the tools***

Less than 1 hour.

#### ***Requirements to install and maintain the tool***

RPM packages are available. Requires a working hylafax server.

#### ***Available documentation***

GFX documentation is a work in progress and not yet available. It will be uploaded as soon as the developers can get around to it.

#### ***License***

The license is claimed to be GNU GPL.

(image source: <http://gfx.cowlug.org/screenshots.php> )

### **B.4.2 KSendFax**

#### **Purpose of the tool**

KSendFax is an interface to FAX-Packages, for example HylaFax, E-Fax ,or mgetty+sendfax for sending facsimiles. It also incorporates a phone book, so that recipients can be saved and selected to/from it. Optionally, it allows usage of one of the KDE, default addressbook kab or kaddressbook.

#### **Current development status**

Version 3.0.2 released 13/07/2003

#### **The platforms on which it works**

Linux with KDE environment

*Location for download*

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

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Less than one hour

#### **Requirements to install and maintain the tool**

RPM packages are available. Hylafax, efax or Mgetty-sendfax are required for fax sending.

*Available documentation*

<http://ksendfax.sourceforge.net/manual/>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://ksendfax.sourceforge.net/> )

### **B.4.3 KUPS**

#### **Purpose of the tool**

KUPS is a Graphical User Interface for the CUPS (the Common UNIX Printing System). With KUPS, it is possible to add, edit, test, and remove printers (Hyper simple add printer wizard), manage and remove jobs, manage CUPS properties, and configure the CUPS daemon.

#### **Current development status**

Version 0.8.0 Beta 27/09/2000

#### **The platforms on which it works**

KDE environment

#### **Location for download**

<http://cups.sourceforge.net/kups/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

Included in all recent Linux distributions.

#### **Available documentation**

<http://www.cups.org/documentation.php>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://cups.sourceforge.net/kups/screenshots1.htm> )

#### **B.4.4 Mapagi**

##### **Purpose of the tool**

Mapagi is a pagination utility that prints selected images and comics in 'in folio' format. It allows selection of pagination order ("Western" or "Japanese"), and page customization (page number inclusion, sheet side to print, DPI resolution and binding fascicles and sheets/fascicle).

##### **Current development status**

Version 0.6 beta, 20/06/2003

##### **The platforms on which it works**

POSIX

##### **Location for download**

<http://members.ferrara.linux.it/calicant/mapagi/>

##### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

##### **Requirements for training people using the tools**

Less than 1 hour.

##### **Requirements to install and maintain the tool**

RPM packages are available.

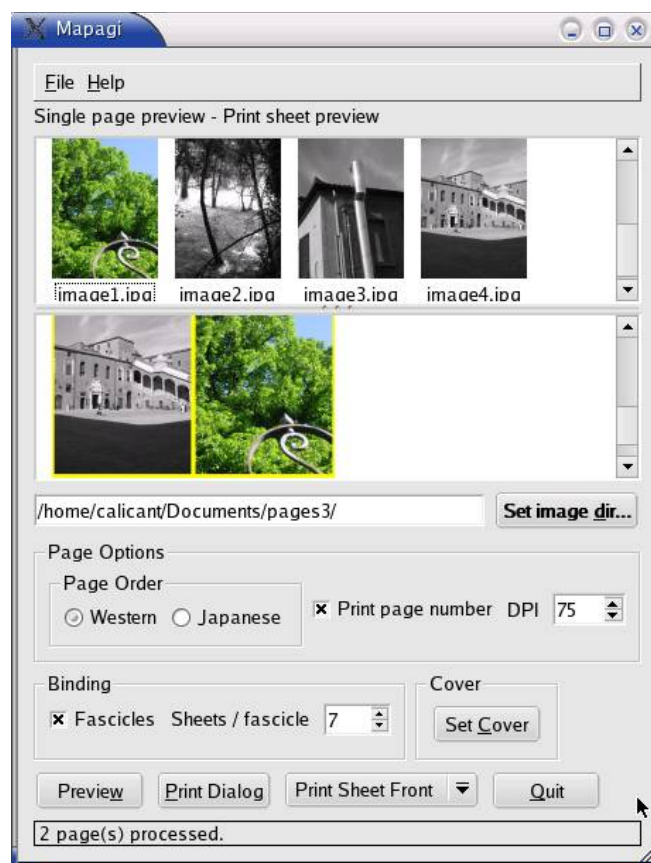
##### **Available documentation**

README available within the source code package.

##### **License**

The license is claimed to be GNU GPL.

(image source: <http://members.ferrara.linux.it/calicant/mapagi/> )



## **B.6 Hypermedia**

### **B.6.1 AccessGrid**

#### ***Purpose of the tool***

The Access Grid is a tool for group-to-group collaboration across worldwide networks with multimedia displays, interactive environments and presentation. It provides interfaces to Grid middle-ware and to visualization environments. It provides high quality audio and real-time video to allow interactive experiences for users at multiple sites.

#### ***Current development status***

Version 2.2 Alpha 04/05/2004

#### ***The platforms on which it works***

Windows, Linux, MacOS

#### ***Location for download***

<http://www.accessgrid.org/index.html>

#### ***Intended audience***

<b>Users</b>	<b>Administration</b>
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### ***Requirements for training people using the tools***

4 hours.

#### ***Requirements to install and maintain the tool***

The install requirements are significant, and a full install needs several external packages. A binary package is made available for RedHat and windows. Maintenance and setup are also significant, especially for certificate creation and virtual room and applications setup.

#### ***Available documentation***

<http://foxtrot.ncsa.uiuc.edu:8900/public/AGIB/>

#### ***License***

The license is claimed to be Access Grid Toolkit Public License (AGTPL). More information on: [http://www.accessgrid.org/release\\_docs/1.0/LICENSE.TXT](http://www.accessgrid.org/release_docs/1.0/LICENSE.TXT)

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(image source: [http://www-unix.mcs.anl.gov/fl/research/accessgrid/documentation/VENUE\\_CLIENT\\_MANUAL\\_HTML/VenueClientManualHTML.htm](http://www-unix.mcs.anl.gov/fl/research/accessgrid/documentation/VENUE_CLIENT_MANUAL_HTML/VenueClientManualHTML.htm) )





### **B.6.2 CMU sphinx**

#### **Purpose of the tool**

CMU sphinx is a speaker independent speech recognition system with a large vocabulary that functions in live and batch mode. It is used to help disabled people access desktop applications. Generalized pluggable front-end architecture provides various transforms, search algorithms and speech tools that display wave-forms and spectrograms, and extract features from audio. It supports language model architecture for ASCII and binary versions of unigram, bigram, trigram, Java Speech API Grammar Format (JSGF), and ARPA-format FST grammars.

#### **Current development status**

Version3 0.4.1 20/07/2004; Sphinx4 0.1-Alpha 02/06/2004

#### **Platforms in which it works**

GNU/Linux, Unix and Windows NT or later

#### **Location for download**

<http://www.speech.cs.cmu.edu/sphinx/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirement for training people using the tools**

A developer can start creating applications that incorporate Sphinx in 4 hours of study of the documentation and examples. More sophisticated use requires knowledge of speech processing algorithms.

#### **Requirements to install and maintain the tool**

Available in source and binary format.

#### **Available documentation**

<http://www.speech.cs.cmu.edu/sphinx/doc/>

#### **License**

The license is claimed to be Sphinx BSD License.  
(<http://cmusphinx.sourceforge.net/html/LICENSE>)

### **B.6.3 Dox**

#### **Purpose of the tool**

Dox is a browser for HTML documents remotely controllable from the shell. Access to documentation is enabled via tables of contents, keyword indices, and full text searches. It provides interfaces to pydoc and perldoc. It can be extended by adding tables of content and keyword indices, and by installing XML files extracted from the documentation. It converts tags files generated by Doxygen to keyword indices and allows integration of doxygen-generated documentation in the toc and index sections.

#### **Current development status**

Version 1.1 released 26/04/2002

#### **The platforms on which it works**

Linux SuSE 7.3

#### **Location for download**

[http://developer.berlios.de/project/showfiles.php?group\\_id=202](http://developer.berlios.de/project/showfiles.php?group_id=202)

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

Available in easy to install RPM packages.

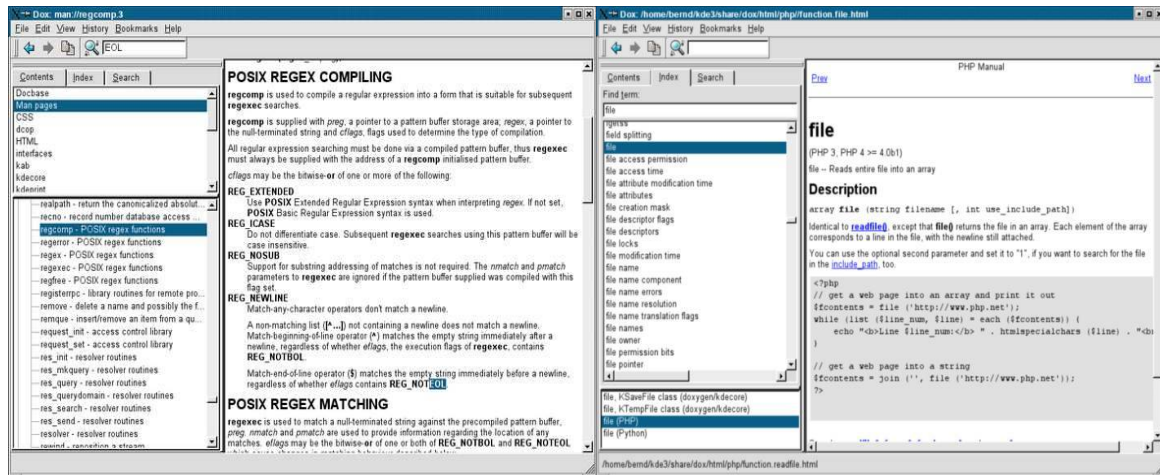
#### **Available documentation**

Included in source code package.

#### **License**

The license is claimed to be GNU GPL.  
(image source: <http://dox.berlios.de/> )

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### **B.6.4 Endeavour2**

#### **Purpose of the tool**

Endeavour2 is a file browser/file manager. It includes an image browser, archiver front-end, and recycled objects system and features several common UNIX file operations. It also supports disk drive mounting, a fully customizable window appearance, a MIME Types system, and inter-application drag & drop support for KDE and GNOME compatibility.

#### **Current development status**

Version 2.4.4 released 05/07/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://freshmeat.net/projects/endeavour2/>

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

Available in easily installable RPM packages. Install from source requires many external libraries.

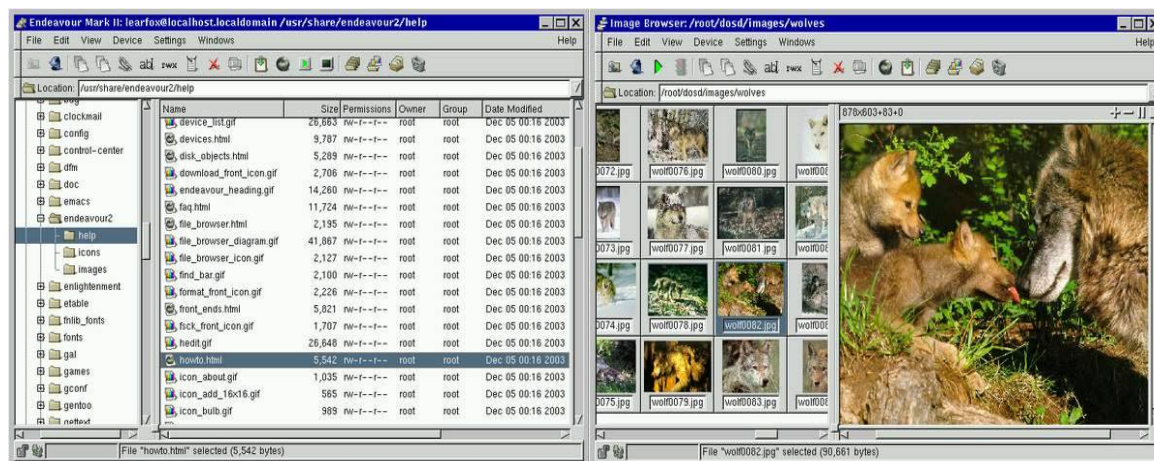
#### **Available documentation**

<http://wolfpack.twu.net/Endeavour2/help/index.html>

#### **License**

The license is claimed to be GNU GPL.  
(image source: <http://wolfpack.twu.net/Endeavour2/> )

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### **B.6.5 Firefox**

#### ***Purpose of the tool***

Firefox is a cross-platform web browser. It is a redesign of the Mozilla browser component. It provides popup blocking utility, tabbed browsing, and search - through Google, Keywords, and FastFind. It opens links in the background so that they are ready for viewing when the user is ready to read them. It does not load ActiveX controls and automatically downloads to the Desktop.

#### ***Current development status***

Version 0.93 15/06/2004; 1.0 Beta 1/07/2004

#### ***The platforms on which it works***

Windows 98 /98SE/ME/NT 4.0/2000/XP, Mac OS X 10.1.x/10.2.x and later, POSIX

#### ***Location for download***

<ftp://ftp.mozilla.org>

#### ***Requirements for training people using the tools***

Less than 1 hour.

#### ***Requirements to install and maintain the tool***

Available in easy to install binary packages.

#### ***Available documentation***

<http://www.mozilla.org/projects/firefox/ue/>

#### ***License***

The licenses it complies to are claimed to be Mozilla Public License version 1.1. More info on: <http://www.mozilla.org/MPL/MPL-1.1.html>.  
(image source: Conecta.)



### **B.6.6 GnoCHM**

#### **Purpose of the tool**

GnoCHM is a CHM file viewer for Gnome2. It uses PyCHM, a set of Python wrappers around the C library libchm. It supports full-text search, bookmarks, internationalisation, configurable HTTP links, and external ms-its links. It allows integration with Gnome (on-line help, file associations, drag&drop from file manager, gnome menu entry).

#### **Current development status**

Version 0.9.1 Released 01/07/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

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

#### **Requirements for training people using the tools**

Minimal.

#### **Requirements to install and maintain the tool**

Available in easy to install RPM package.

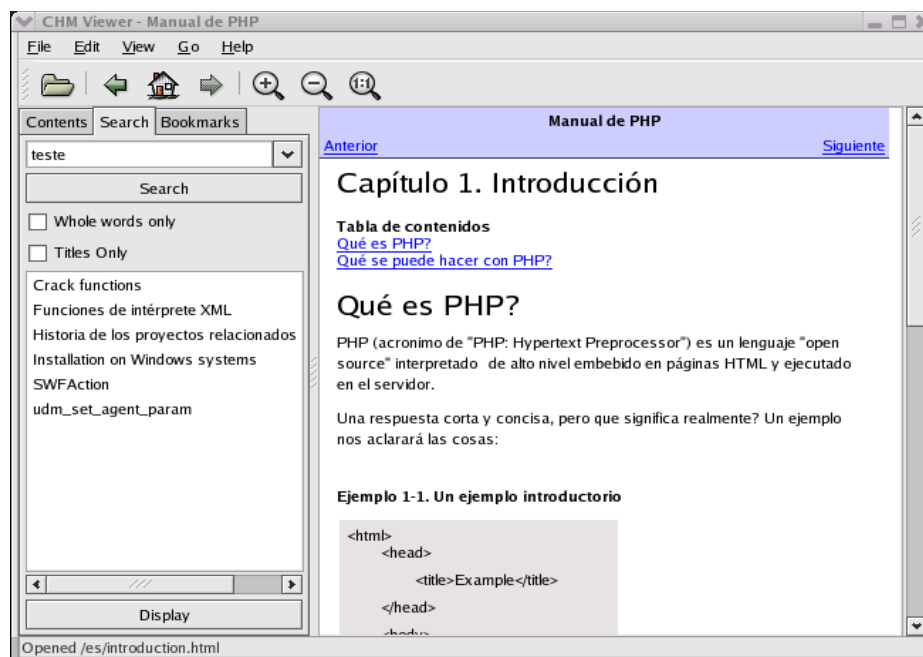
#### **Available documentation**

In the application

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://gnochm.sourceforge.net/sshots.html> )





### **B.6.7 Kvoicecontrol**

#### **Purpose of the tool**

KVoiceControl is an application for speech recognition. It enables the user to connect spoken commands to unix commands. It automatically detects signals coming from a microphone then performs recognition on this speech input and in case of successful recognition executes the unix command the user hooked up to it.

#### **Current development status**

Version 0.17 released 21/04/1999

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://freshmeat.net/projects/kvoicecontrol/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

Minimal.

#### **Requirements to install and maintain the tool**

The administrator must setup the environment for spoken command execution. Package itself is available in RPM format.

#### **Available documentation**

<http://www.kieczka.net/daniel/Linux/cvoicecontrol/index.html>

#### **License**

The license is claimed to be GNU GPL.

### **B.6.8 Nvu**

#### **Purpose of the tool**

Nvu is a web page editor. All the sites specified in the Publishing Settings are browseable in a sidebar. It supports a tree view of a site, or a one-dir-only view. It is also possible to filter files and show all files, or only HTML documents or image files. The browsing area can show for each file its size and the date of last modification. The CSS editor allows in-line styling of arbitrary elements. Nvu supports editing of forms and properties.

#### **Current development status**

Version 0.41 released 11/08/2004

#### **The platforms on which it works**

Linux/Windows

*Location for download*

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

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government
Expert Users	

#### **Requirements for training people using the tools**

Basic web page creation: 4 hours. More sophisticate website authoring: 15 hours.

#### **Requirements to install and maintain the tool**

Some conflicts with existing version of firefox and mozilla may complicate the installation process. Package is available in binary form.

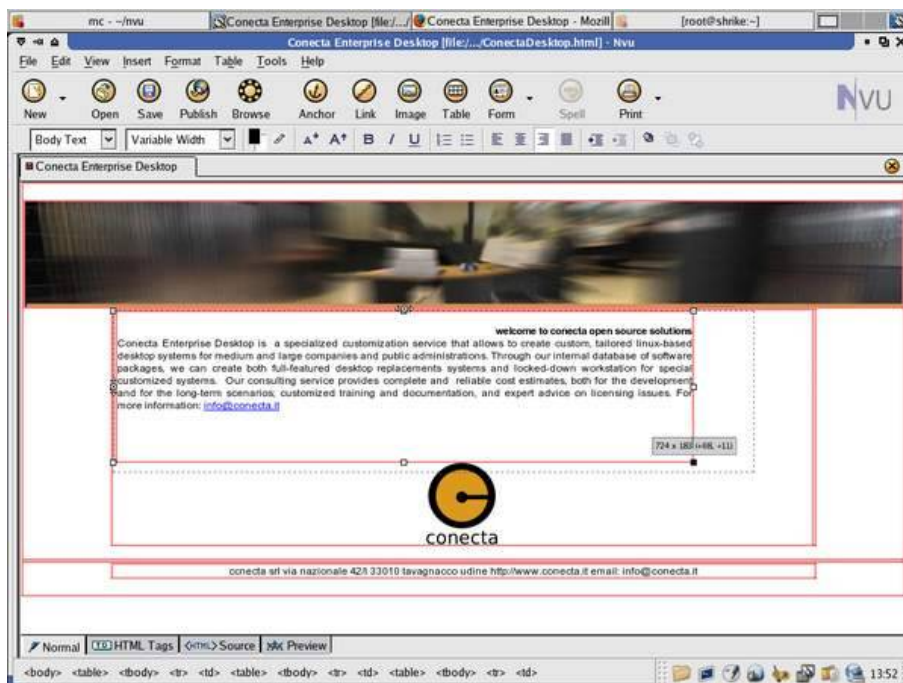
#### **Available documentation**

<http://www.framasoft.net/article2656.html> (in French)

#### **License**

The tool is open source and covered under the MPL/LGPL/GPL tri-license  
(image source: Conecta )

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### **B.6.9 Omsp**

#### ***Purpose of the tool***

The Open Media Streaming Project is an application for streaming of the multimedia contents. It consists of full working versions of a streaming server (Fenice) and a player (NeMeSI) conforming to the standard IETF.

#### ***Current development status***

Version 0.3.0(Nemesi) and 1.5 (Fenice) 05/04/2004

#### ***The platforms on which it works***

POSIX

#### ***Location for download***

<http://streaming.polito.it/>

#### ***Intended audience***

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### ***Requirements for training people using the tools***

Use of the player requires minimal training.

#### ***Requirements to install and maintain the tool***

binary packages are available.

#### ***Available documentation***

<http://streaming.polito.it/docs.shtml>

#### ***License***

The license is claimed to be GNU GPL.

### **B.6.10 OpenMash**

#### **Purpose of the tool**

Mash is a multimedia communication application that runs over the Internet using IP multicast. Mash supports live media broadcasting, N-way conferencing, and session capture and replay.

#### **Current development status**

Version 5.1.6 released 29/11/2001

#### **The platforms on which it works**

Linux with KDE environment

*Location for download*

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

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Less than 1 hour.

#### **Requirements to install and maintain the tool**

Binary packages are available.

*Available documentation*

<http://www.openmash.org/users/index.html>

#### **License**

The tool is distributed under the BSD license or, more precisely, what GNU calls the modified BSD license. Mash is OSI Certified Open Source Software.

### **B.6.11 PeerCast**

#### **Purpose of the tool**

PeerCast is a multimedia application that enables the user to listen and watch video over the Internet. It uses P2P technology to let anyone become a broadcaster without the costs of traditional streaming. It can be useful for remote broadcasts or training.

#### **Current development status**

Version 0.1211 Released 08/08/2004

#### **The platforms on which it works**

Windows 98/Nt/2k/ME/XP, Linux version compiled/tested using kernel 2.4.18-5 (RedHat 7.3), 2.4.18-14 (RedHat 8.0) and 2.4.20-8 (RedHat 9.0), Mac OS

*Location for download*

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

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Binary packages are available.

#### **Available documentation**

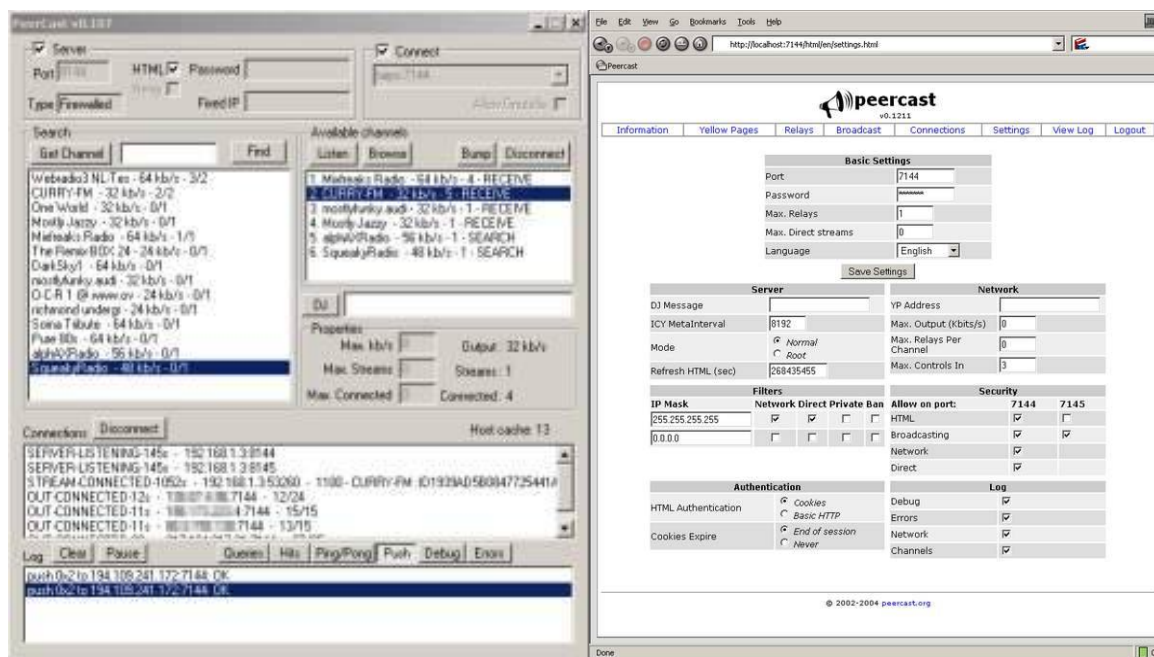
<http://www.peercast.org/quickstart.php>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.peercast.org/screenshots.php> )

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### **B.6.12 Straw**

#### **Purpose of the tool**

Straw is a desktop RSS and Atom news aggregator for the GNOME 2 environment. A News aggregator collects news, weblog and other feeds over the web and aggregates them so the news items are readable from a single place, regardless of their source.

#### **Current development status**

Version 0.25.1 Beta 15/07/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://www.nongnu.org/straw>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Minimal.

#### **Requirements to install and maintain the tool**

Available in easy to install RPM packages.

#### **Available documentation**

Manual pages in the application.

#### **License**

The license is claimed to be GNU GPL.  
(image source: <http://www.nongnu.org/straw/> )





### **B.6.13 Videolan**

#### **Purpose of the tool**

The VideoLAN is an application for targeting multimedia streaming of MPEG-1, MPEG-2, MPEG-4 and DivX files, DVDs, digital satellite channels, terrestrial television channels and live videos on a high-bandwidth IPv4 or IPv6 network in unicast or multicast under many OSes. It includes a cross-platform multimedia player VLC that can read the stream from the network or display video read locally on the computer. It can be used for large scale training session, and top-the-desktop broadcasts.

#### **Current development status**

Version 0.7.2 Beta 2 21/05/2004

#### **The platforms on which it works**

GNU/Linux versions, all BSD versions, Windows, Mac OS X, BeOS, Solaris, QNX.

*Location for download*

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

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

Minimal.

#### **Requirements to install and maintain the tool**

Available in easy to install RPM packages. Use of some encoding formats require additional binary packages, that must be downloaded separately, and for which license should be checked.

#### **Available documentation**

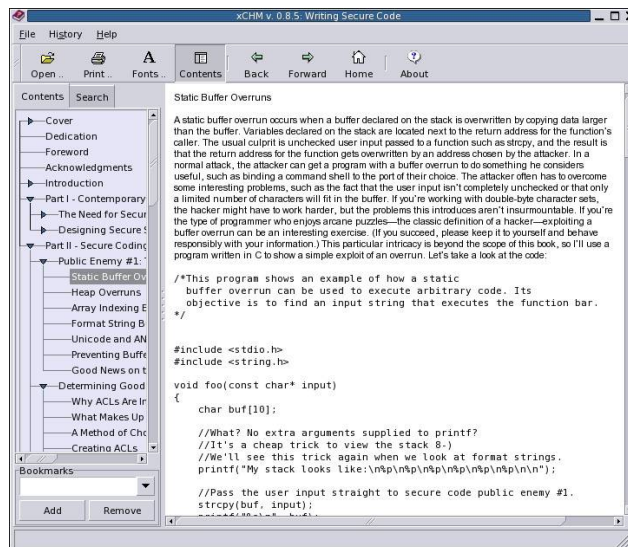
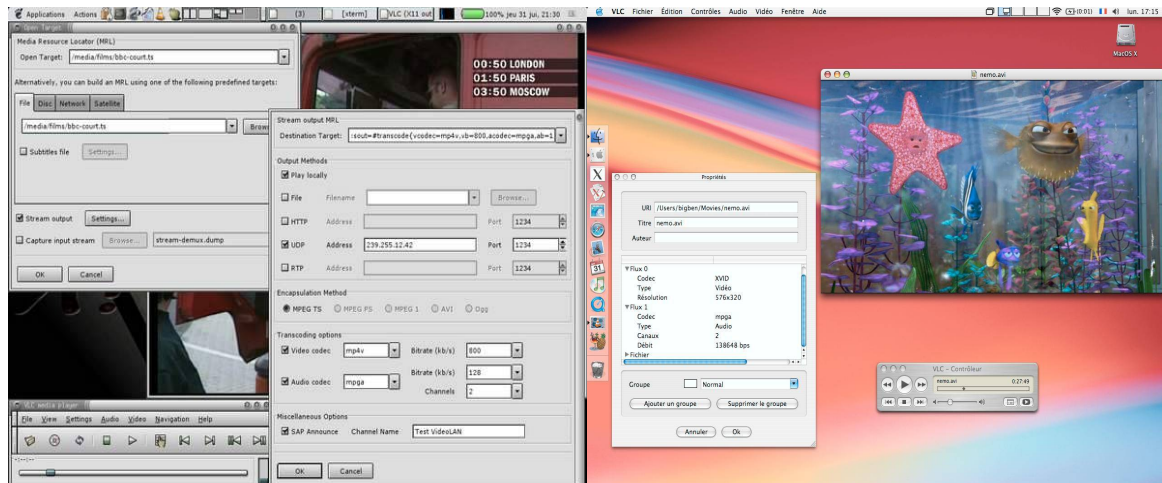
<http://www.videolan.org/doc/>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.videolan.org/vlc/screenshots.html> )

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## **B.6.14 xCHM**

### **Purpose of the tool**

xCHM is a .chm viewer for UNIX (Linux, \*BSD, Solaris). It is used to view windows help files. xCHM can show the contents tree if one is available, print the displayed page, change fonts faces and size, work with bookmarks, do the usual history stunts (forward, back, home). It provides a searchable index and searches for text in the whole book using B-tree search. It can be customized to search in content or titles.

### **Current development status**

Version 0.9.3 Released 19/07/2004

### **The platforms on which it works**

Linux, \*BSD, Solaris, MAC OS, Cygwin (Windows)

### **Location for download**

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

### **Requirements for training people using the tools**

Minima.

### **Requirements to install and maintain the tool**

Available in easy to install RPM packages.

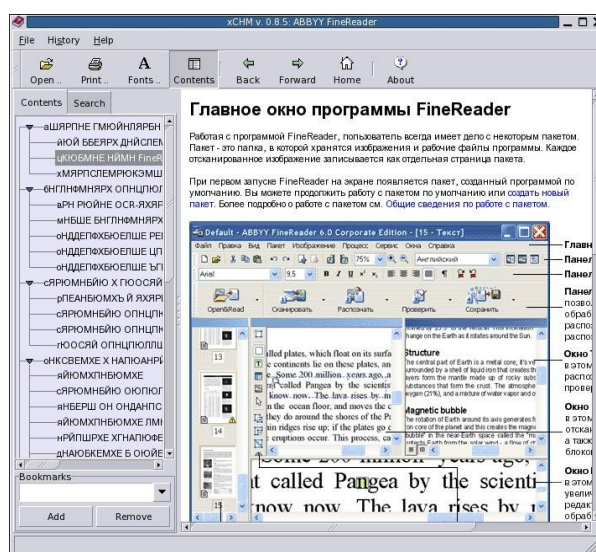
### **Available documentation**

Manual pages in the application

### **License**

The license is claimed to be GNU GPL.

(image source: <http://xchm.sourceforge.net/screenshots.html> )



## **B.7 Networking and remote access tools**

### **B.7.1 Autoscan**

#### ***Purpose of the tool***

AutoScan is a GNOME application that allows exploration and management of the network. It allows scanning the entire subnets simultaneously without any human intervention. It provides OS detection and automatic network discovery, includes port scanner, a Samba share browser, and the ability to save the network state. It allows launching a script (e.g. ping, nmap) and displaying the result for each machine, and launching an application (e.g. rdesktop for the terminal server service) for each port.

#### ***Current development status***

Version 0.91 Beta 08/07/2004

#### ***The platforms on which it works***

POSIX

*Location for download*

<http://autoscan.free.fr/>

#### ***Intended audience***

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### ***Requirements for training people using the tools***

For people with networking experience: minimal

#### ***Requirements to install and maintain the tool***

Binary RPM packages are available

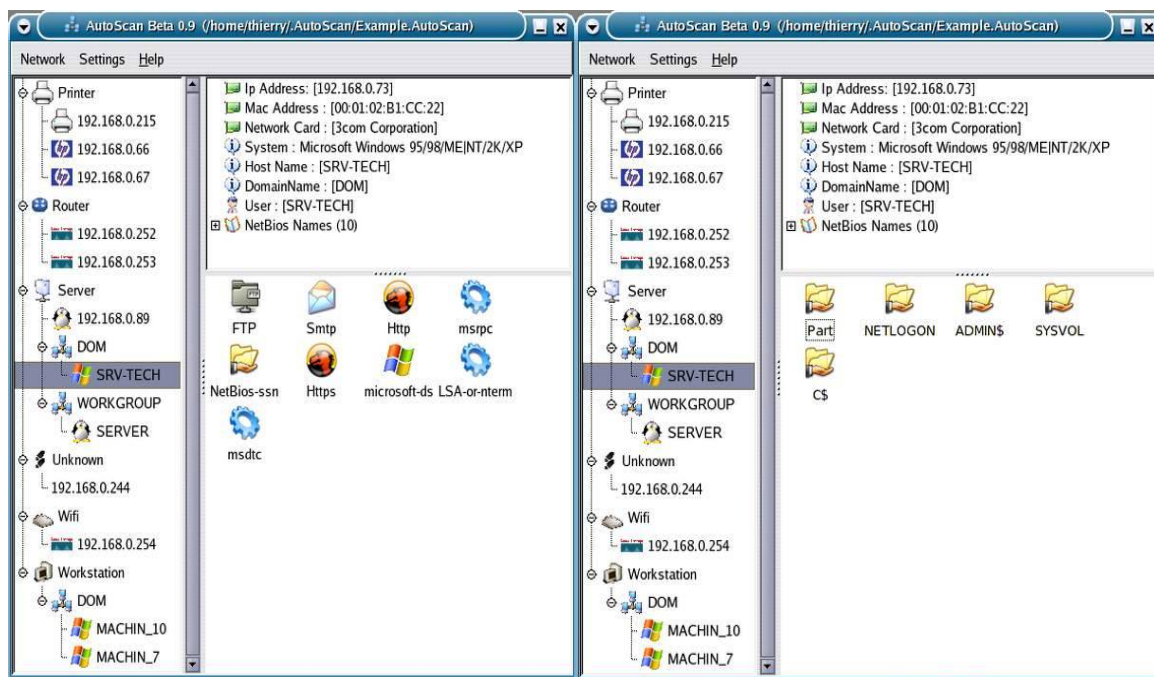
#### ***Available documentation***

<http://autoscan.free.fr/>

#### ***License***

The licenses is claimed to be GNU GPL.  
(image source: <http://autoscan.free.fr/> )

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### **B.7.2 Cheops-ng**

#### **Purpose of the tool**

Cheops-ng is a Linux application for network management. It allows mapping and monitoring the network. It has host/network discovery functionality and OS detection, and scans the ports for each computer to tell what services are running. It can probe FTP, HTTP, ssh, email (port 25), news, IMAP, and VNC to see what version and type of server is running on those ports.

#### **Current development status**

Version 0.1.12 released 28/05/2003

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://cheops-ng.sourceforge.net/download.php>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

RPM packages are available

*Available documentation*

<http://cheops-ng.sourceforge.net/faq.php>

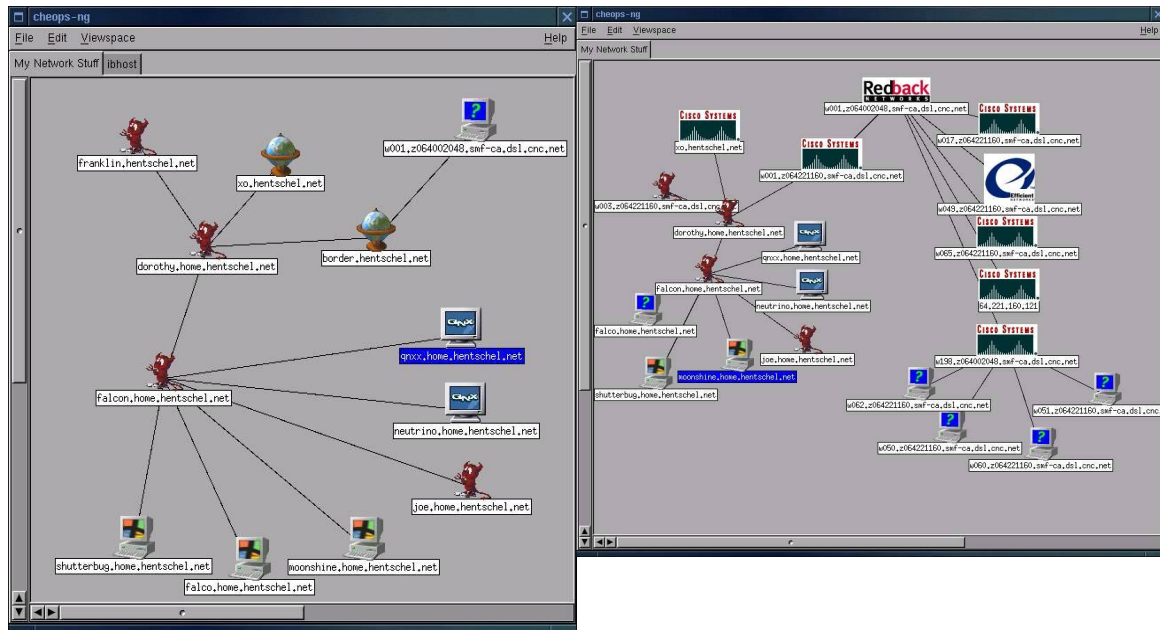
#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://cheops-ng.sourceforge.net/screenshots.php> )



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### **B.7.3 Cygwin/X**

#### **Purpose of the tool**

Cygwin/X is a Microsoft Windows application that ports the X Window System to the underlying system. Cygwin/X consists of an X Server, X libraries, and nearly all of the standard X clients, such as xterm, xhost, xdpinfo, xclock, and xeyes. It uses the Cygwin project that provides a UNIX-like API to Xlib and X clients, thereby minimizing the amount of porting required. It is used to interact with exported X11 windows.

#### **Current development status**

Version 2.427: XWin Server Version 6.7-10 14/06/2004; xwinclip 1.2.0-1 30/10/2003

#### **The platforms on which it works**

Windows 95/98/Me/NT 4.0/2000/ XP/ Server 2003

#### **Location for download**

<http://x.cygwin.com/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

The project provides easy to install binaries.

#### **Available documentation**

<http://x.cygwin.com/docs/ug/cygwin-x-ug.html>

#### **License**

The licenses is claimed to be an X style license; It is licensed under a modified GNU General Public License that specifically allows libcygwin1.a to be linked to programs that are licensed under an Open Source compliant license without such linking requiring that those Open Source programs are licensed under the GNU General Public License ( for details, <http://cygwin.com/licensing.html> )

(image source: <http://x.cygwin.com/> )



### **B.7.4 Gtransfermanager**

#### **Purpose of the tool**

GTM is a GNOME application that allows the user to retrieve multiple files from the web. The files can be retrieved in multiple parts, each part on a separate session that the user is connected to the Internet (by using wget as its back-end). It supports CORBA that facilitates for other programs to use it to handle the transfer of files from the Internet. An applet can launch the program with which it communicates over CORBA, request for a new download or accept drops of URLs from netscape, gFTP, gmc and give these URLs to GTM.

#### **Current development status**

Version 0.4.12 released 12/08/2002

#### **The platforms on which it works**

Gnome environment

*Location for download*

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

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
Software Integrators	Central government
Expert Users	

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

RPM binaries are available

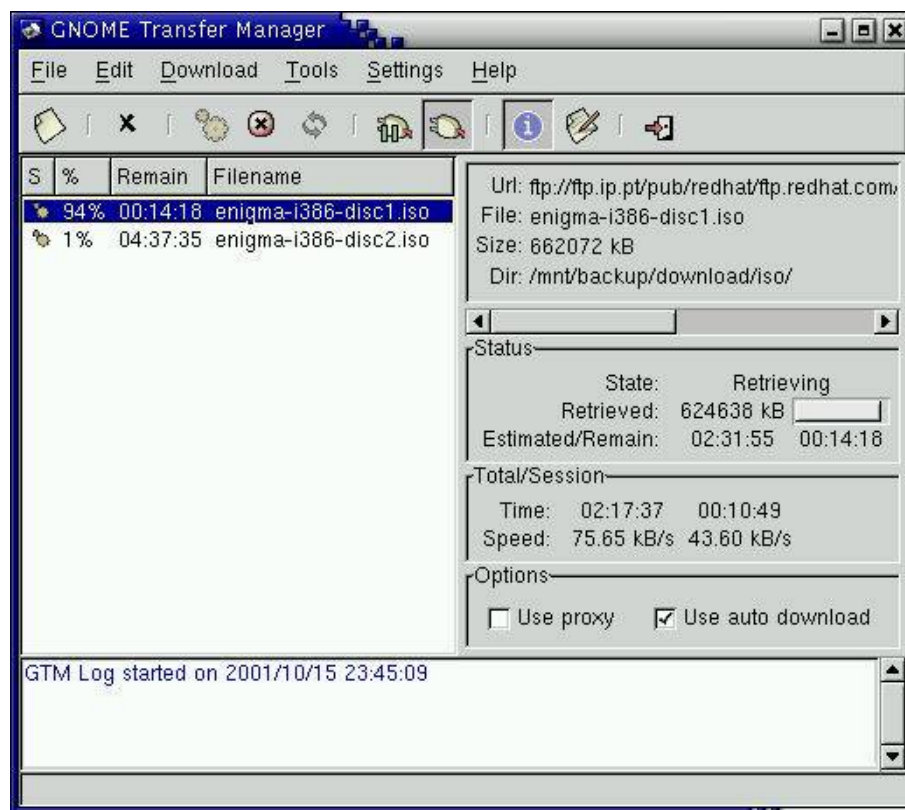
#### **Available documentation**

Not available.

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://gtm.sourceforge.net/> )



### **B.7.5 Grcm**

#### **Purpose of the tool**

grcm (GNOME Remote Connection Manager) is a configurable remote connection manager that allows storage of information about remote connections. It provides a GUI program to launch applications like telnet, ssh, and rdesktop and is customizable as to what type of application it launches.

#### **Current development status**

Version 0.1.5 released 22/02/2003

#### **The platforms on which it works**

Linux with Gnome

#### **Location for download**

<http://grcm.sourceforge.net/index.html>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### *Requirements for training people using the tools*

Minimal

#### *Requirements to install and maintain the tool*

RPM binaries are available

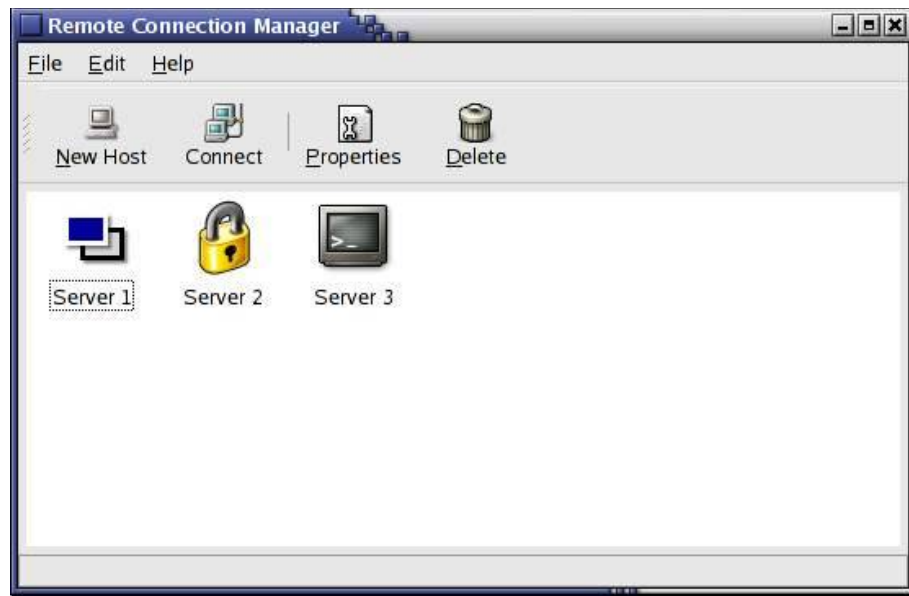
#### **Available documentation**

Application help files.

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://grcm.sourceforge.net/Screens.html> )



### **B.7.6 KVpnc**

#### **Purpose of the tool**

KVpnc is a VPN client application for the KDE environment. It uses vpnc, which is a replacement for the Cisco VPN client and is used as a client for the Disco 3000 VPN Concentrator.

#### **Current development status**

Version 0.4 released 13/08/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://home.gna.org/kvpnc/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Requires compilation from source

*Available documentation*

<http://home.gna.org/kvpnc/install.html>

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://home.gna.org/kvpnc/screenshots.html> )





### **B.7.7 NetPlug**

#### **Purpose of the tool**

NetPlug is an extensible multi-connections, multi-protocol, network client program. It is written in Tcl/Tk and runs on most Unix systems, PCs (Win3.1, Win95, WinNT) and Macs (both PPC and 68k).

#### **Current development status**

Version 0.62-beta, 27/10/1997

#### **The platforms on which it works**

POSIX, Windows, MacOS

#### **Location for download**

<http://www.demilly.com/~dl/netplug.html>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Installation requires source code compilation.

#### **Available documentation**

Not available

#### **License**

The licenses is claimed to be Artistic License.

### **B.7.8 Ntop**

#### **Purpose of the tool**

ntop is a network traffic probe that shows the network usage, similar to what the popular top Unix command does. ntop is based on libpcap and it has been written in a portable way in order to virtually run on every Unix platform and on Win32 as well.

#### **Current development status**

Version 3.0 released 21/03/2004

#### **The platforms on which it works**

Windows 95/98/ME/NT/2000/XP, POSIX

#### **Location for download**

<http://www.ntop.org/ntop.html>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

For basic usage: less than 1 hour; for network inspections: 2 hours

#### **Requirements to install and maintain the tool**

Binary packages are available

#### **Available documentation**

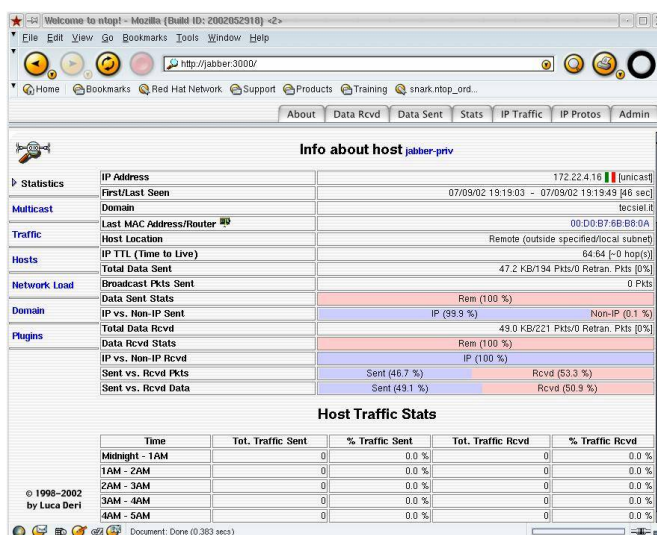
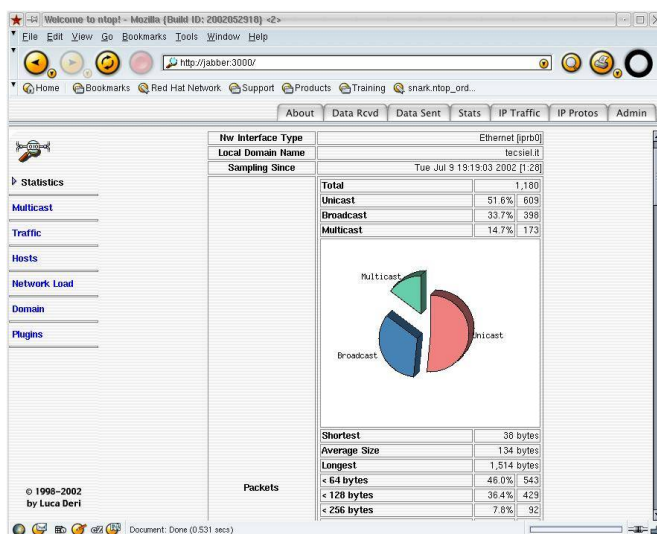
<http://www.ntop.org/documentation.html>

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://www.ntop.org/overview.html> )

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### **B.7.9 NxServLiv**

#### **Purpose of the tool**

NxServLiv provides compression of remote X sessions using NX libraries. It is similar to ssh terminal. It operates at three levels on the X protocol: compresses the network traffic (with ratio 10:1 to 100:1 and over), reduces network round-trips nearly to zero, maximizing the throughput and adapts bandwidth in real-time, according to the network conditions. It encapsulates and translates into X protocol the Remote Desktop Protocol (Windows NT/2000/Citrix Metaframe), and Remote Frame Buffer (VNC) compressing the sessions by a factor 2 to 10.

#### **Current development status**

Version 1.4.0 30/06/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://freshmeat.net/projects/nxservliv/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Binaries are available in .deb format, and some effort is required for converting in RPM format.

*Available documentation*

[http://sourceforge.net/forum/forum.php?forum\\_id=389672](http://sourceforge.net/forum/forum.php?forum_id=389672)

#### **License**

The licenses is claimed to be GNU GPL.

### **B.7.10 ProperJavaRDP**

#### **Purpose of the tool**

ProperJavaRDP is a Java Remote Desktop Protocol client for Windows Terminal Services. It is based on rdesktop. ProperJavaRDP runs on Java 1.1 and later (optimised for 1.4), and works on Linux, Windows and Mac.

#### **Current development status**

Version 1.0.2 released 29/09/2003

#### **The platforms on which it works**

POSIX, Windows, MacOS

#### **Location for download**

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

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Java binary packages are available.

#### **Available documentation**

<http://properjavardp.sourceforge.net/#howtouseit>

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://properjavardp.sourceforge.net/> )



### **B.7.11 Rdesktop**

#### ***Purpose of the tool***

Rdesktop is a client for Windows NT Terminal Server and Windows 2000/2003 Terminal Services. It is capable to natively speak Remote Desktop Protocol (RDP) in order to present the NT desktop of the user. Unlike for Citrix ICA, no server extensions are required.

#### ***Current development status***

Version 1.3.1 22/01/2004

#### ***The platforms on which it works***

POSIX

#### ***Location for download***

<http://www.rdesktop.org/#download>

#### ***Requirements for training people using the tools***

Minimal

#### ***Requirements to install and maintain the tool***

RPMm binary packages are available

*Available documentation*

<http://www.rdesktop.org/#docs>

#### ***License***

The licenses is claimed to be GNU GPL.

### **B.7.12 Remote Desktop Connection (RDC)**

#### **Purpose of the tool**

Remote Desktop Connection (RDC) is a graphical client to rdesktop that allows connections to a Microsoft Terminal Server. It includes GNOME panel applet to quickly launch saved profiles. RDC reads and writes profiles in the Microsoft format (.rdp), compatible to the Microsoft client to which it has similar look and functionalities. It supports VNC clients (\*vncviewer options are -fullscreen, -geometry, -depth and -viewonly).

#### **Current development status**

Version 0.2Beta3 10/09/2002

#### **The platforms on which it works**

OS independent

#### **Location for download**

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

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

RPM binary packages are available

#### **Available documentation**

Included in the package

#### **License**

The licenses is claimed to be GNU GPL.  
(image source: <http://pxes.sourceforge.net/> )





### **B.7.13 Synergy**

#### ***Purpose of the tool***

Synergy is an application that allows sharing a single mouse and keyboard among multiple computers. The computers can run different operating systems, each with its own display, without special hardware. It's intended for users with multiple computers on their desk since each system uses its own monitor(s). It is used to provide remote assistance and application sharing.

#### ***Current development status***

Version 1.0.14 released 24/08/2003

#### ***The platforms on which it works***

MS Windows 95/98/Me/NT/2000/XP Mac OS 10.2 or higher, POSIX

*Location for download*

<http://synergy2.sourceforge.net/>

#### ***Intended audience***

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### ***Requirements for training people using the tools***

Minimal

#### ***Requirements to install and maintain the tool***

RPM packages are available

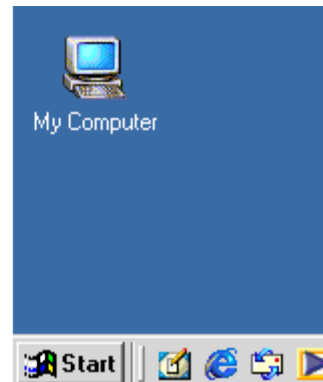
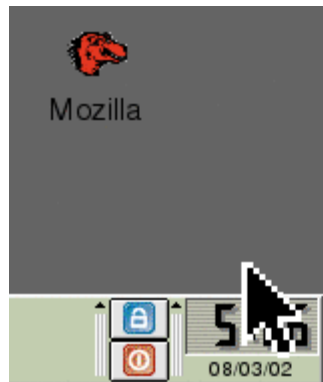
*Available documentation*

<http://synergy2.sourceforge.net/running.html>

#### ***License***

The licenses is claimed to be GNU GPL.

(image source: <http://synergy2.sourceforge.net/about.html> )



### **B.7.14 Tn5250j**

#### **Purpose of the tool**

The tn5250j is a 5250 terminal emulator for the AS/400 written in Java. Enhanced mode provides other functions like cursor progression, windows, continued edit fields, edit masked fields; scripting, data transfer and printer support. It includes character counter, supports scripting in python and message wait notification that notifies the developer when a job terminates. Finally, it supports file transfer from host in different formats and spool file export into PDF or Text format.

#### **Current development status**

Version 0.5.7 released 12/03/2004

#### **The platforms on which it works**

POSIX

*Location for download*

<http://tn5250j.sourceforge.net/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

With user experienced in AS400: 1 hour for basic usage, 2 hours for sophisticated use

#### **Requirements to install and maintain the tool**

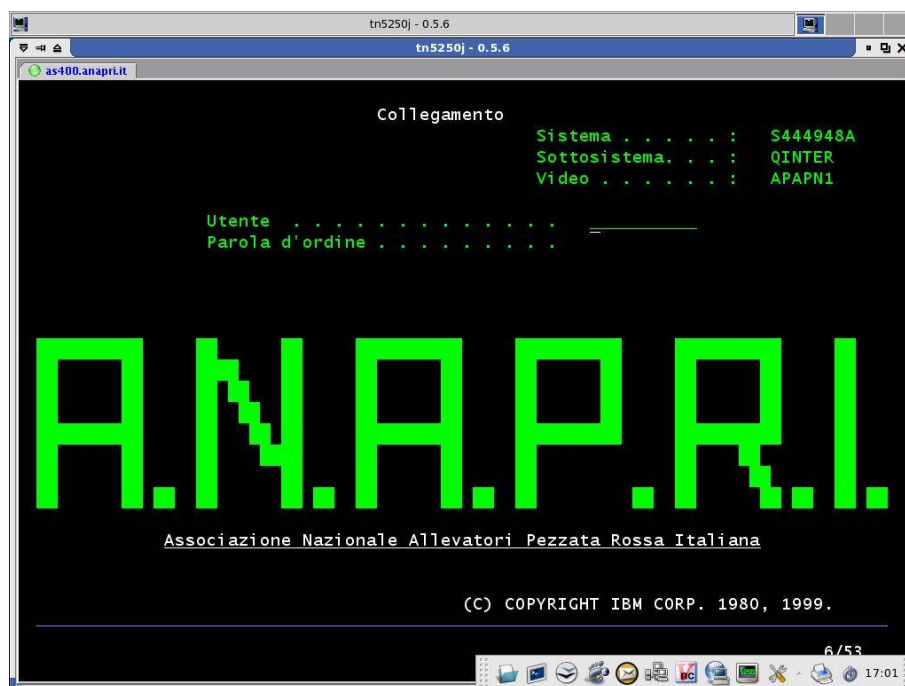
Binary java packages are available

*Available documentation*

<http://tn5250j.sourceforge.net/>

#### **License**

The licenses is claimed to be GNU GPL.  
(image source: Conecta )



### **B.7.15 Vt6530**

#### ***Purpose of the tool***

The Java vt6530 is a native emulator for connecting to the Tandem VT6530. The latter is a proprietary terminal used with the Non-Stop(TM) series of mainframes. These high-reliability machines are popular in the banking industry. It is usually used by ATMs.

#### ***Current development status***

Version 0.95 released 02/11/2000

#### ***The platforms on which it works***

OS independent – Java application

#### ***Location for download***

[http://www.geocities.com/john\\_garrison/downloads.html](http://www.geocities.com/john_garrison/downloads.html)

#### ***Intended audience***

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### ***Requirements for training people using the tools***

Minimal

#### ***Requirements to install and maintain the tool***

Java binary packages are available

#### ***Available documentation***

[http://www.geocities.com/john\\_garrison/downloads.html](http://www.geocities.com/john_garrison/downloads.html)

#### ***License***

Free to use but restricted (for details, [http://www.geocities.com/john\\_garrison/lic.html](http://www.geocities.com/john_garrison/lic.html) ).

### **B.7.16 Vnc**

#### **Purpose of the tool**

VNC (Virtual Network Computing) is a software toolkit that allows viewing and full interaction with one computer from any other computer or mobile device anywhere on the Internet. VNC software is cross-platform. It allows remote control between different types of computers. It also contains Java viewer, so that any desktop can be controlled remotely from within a browser without having to install software.

#### **Current development status**

Version 4.0 released 15/06/2004

#### **The platforms on which it works**

Windows/POSIX

#### **Location for download**

<http://www.realvnc.com/download.html>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Binary packages are available for all the supported platforms

#### **Available documentation**

<http://www.realvnc.com/how.html>

#### **License**

The license is claimed to be GNU GPL, Enterprise Edition has a commercial license (for details, <http://www.realvnc.com/products/features.html> ).

### **B.7.17 VncSelector**

#### **Purpose of the tool**

VncSelector is an application that offers a way to manage all user's running VNC server sessions. From a single GUI window, it allows creation of new instances, connection to an existing instance, or killing of existing instances.

#### **Current development status**

Version 1.2 released 30/12/2003

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://www.dooglio.net/VncSelector/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Installation requires compilation of the source code package

#### **Available documentation**

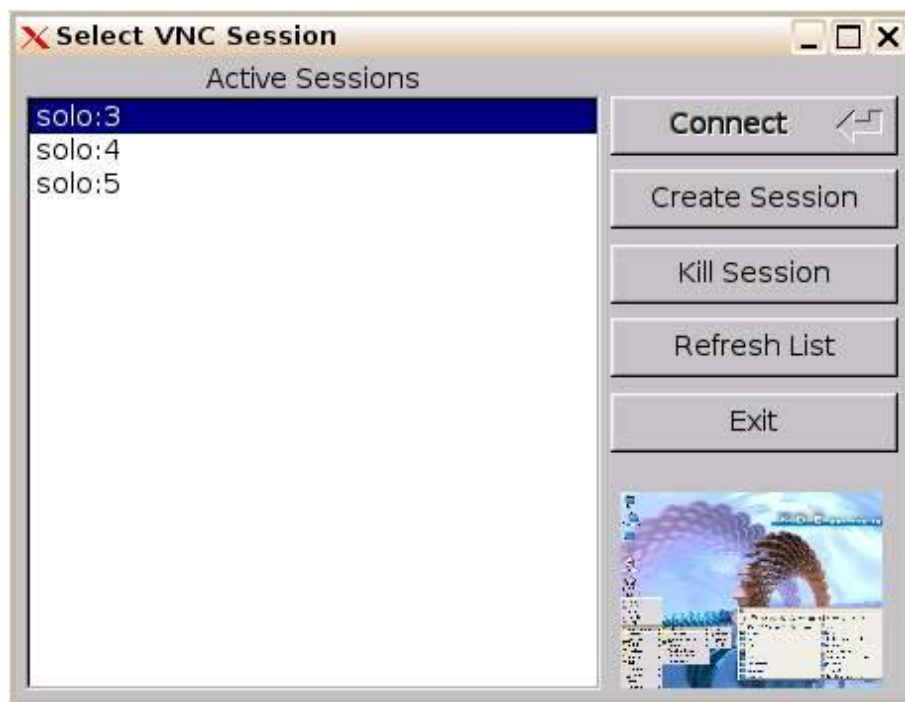
None

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://vncselector.sourceforge.net/> )





### **B.7.18 Wy60**

#### **Purpose of the tool**

The Wy60 Emulator is used for execution of legacy applications, which have been hard-coded with support for the Wyse 60 family of terminals. It looks at the value of the \$TERM environment variable and using the curses library, dynamically converts from Wyse 60 escape codes to the escape sequences current terminal requires. This allows utilization of a terminal program while running old legacy programs.

#### **Current development status**

Version 2.0.8 26/03/2003

#### **The platforms on which it works**

Windows, POSIX

#### **Location for download**

<http://gutschke.com/wy60/>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Installation requires compilation of the source code package

#### **Available documentation**

<http://gutschke.com/wy60/html/internal-man.html>

#### **License**

The licenses is claimed to be GNU GPL.

## **B.8 Graphics**

### **B.8.1 Cenon**

#### ***Purpose of the tool***

Cenon is a vector graphics tool for GNUstep. It can convert, import, and export vector data in DXF, PostScript, Adobe Illustrator, DIN , HPGL, Gerber, and PDF format. Additionally, it allows editing and construction, complete set of publishing functions, and vectorisation.

#### ***Current development status***

version 3.62 Beta 2 26/06/2004

#### ***The platforms on which it works***

Linux, MacOS X

*Location for download*

[http://www.cenon.info/frame\\_gb.html](http://www.cenon.info/frame_gb.html)

#### ***Intended audience***

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### ***Requirements for training people using the tools***

As a complex graphic applications, even basic use requires around 4 hours of training. Sophisticated use requires 12 hours.

#### ***Requirements to install and maintain the tool***

The package uses the GNUstep libraries under Linux, and as those are not commonly available the install process requires a lot of additional effort. It is possible to expect around 6 hours for a complete and correct install.

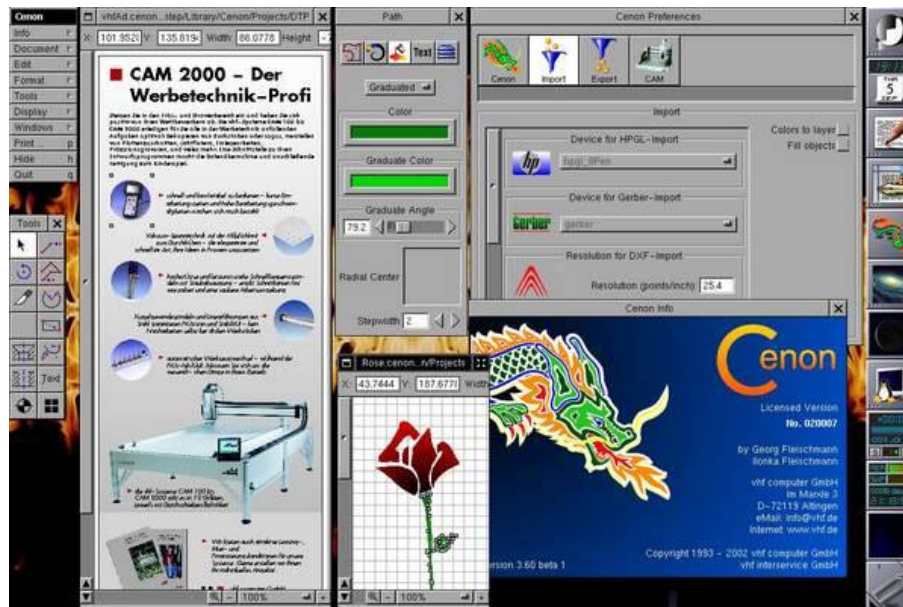
#### ***Available documentation***

[http://www.cenon.info/frame\\_gb.html](http://www.cenon.info/frame_gb.html)

#### ***License***

The tool is claimed to be under free vhf public license (vhfPL). More info on the license is to be found on [http://www.cenon.info/frame\\_gb.html](http://www.cenon.info/frame_gb.html)  
(image source: [http://www.cenon.info/gallery/gallery\\_gb.html](http://www.cenon.info/gallery/gallery_gb.html) )

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## **B.8.2 GIMP**

### **Purpose of the tool**

GIMP (GNU Image Manipulation Program) provides a large number of image manipulation and image analysis facilities. It allows, among others, photo editing and retouching, format conversion, adding effect filters. It also can work as a batch processing system. It is expandable and can be interfaced with Scheme, Python, Perl.

### **Current development status**

Version 2.0.4 released 08/05/2004; Version 2.1.3 beta 08/06/2004

### **The platforms on which it works**

Unix, Linux, MacOS

*Location for download*

<http://www.gimp.org>

### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

### **Requirements for training people using the tools**

For basic painting and usage of the tools, 4 hours. For sophisticated use, 20 hours (depending on the kind of application).

### **Requirements to install and maintain the tool**

Available in easy to install RPM tools; usually preinstalled in many Linux distributions. Easy to install package for windows.

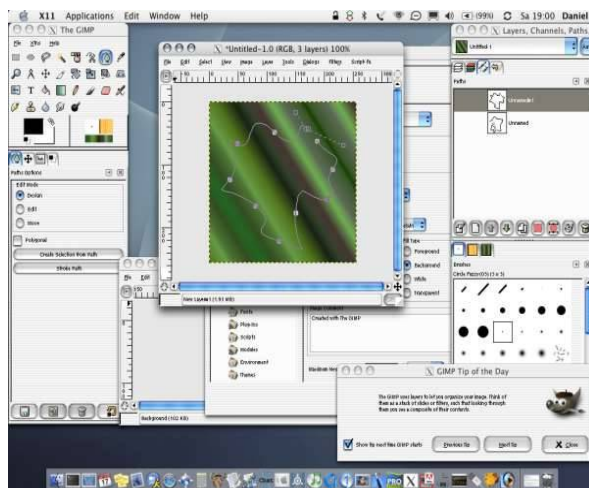
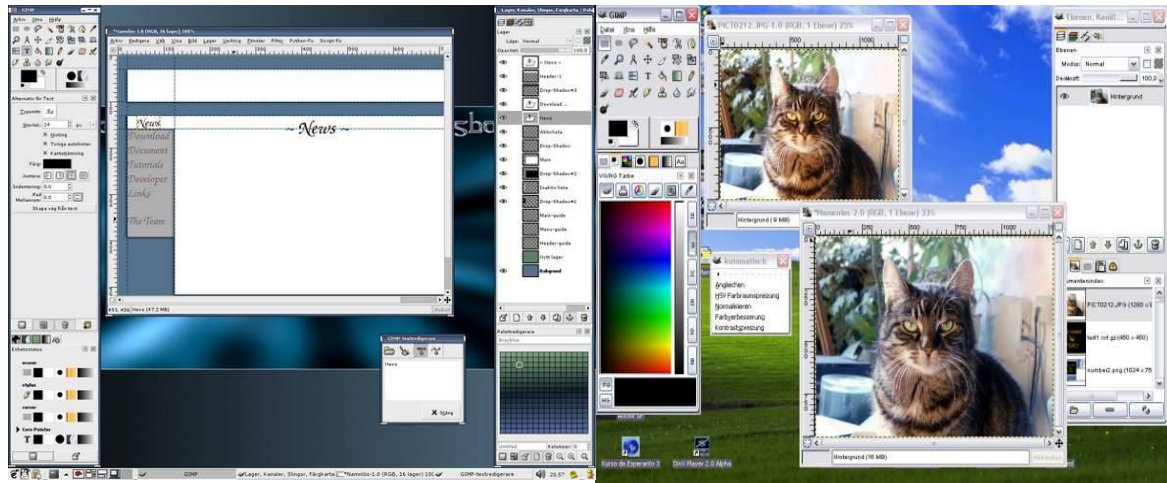
### **Available documentation**

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

### **License**

The license is claimed to be GNU GPL.  
(image source: <http://www.gimp.org/screenshots/> )

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### **B.8.3 inkscape**

#### **Purpose of the tool**

Inkscape is a SVG editor based on Linux & Windows. Supported SVG features include basic shapes, paths, text, alpha blending, transforms, gradients, node editing, svg-to-png export, grouping and other.

#### **Current development status**

version 0.39 Beta, 15/07/2004

#### **The platforms on which it works**

MacOS, Windows, Linux

*Location for download*

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

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

For basic usage, 3 hours. For more sophisticated use, 12 hours.

#### **Requirements to install and maintain the tool**

The package is still in development; but snapshots are available in RPM packages.

#### **Available documentation**

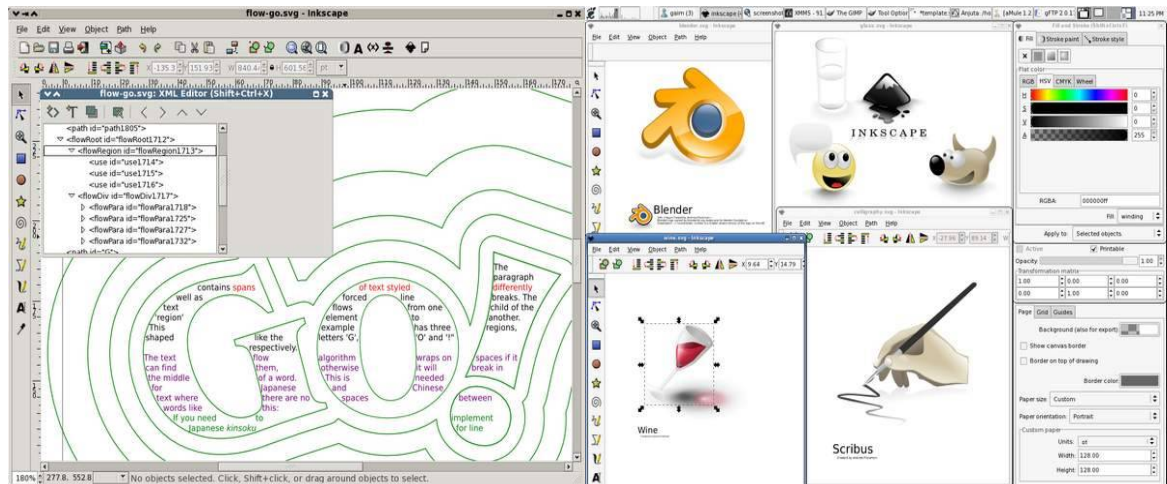
User Manual is planned for when the program and the interface stabilize. Several interactive tutorials in SVG are available via Help > Tutorials in Inkscape.

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.inkscape.org/screenshots/index.php> )

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### **B.8.4 ImageJ**

#### **Purpose of the tool**

ImageJ is a Java image processing program for Macintosh and inspired by NIH Image. It runs, either as an on-line applet or as a downloadable application, on any computer with a Java 1.1 or later virtual machine. It can display, edit, analyse images. It supports plug-ins for many important scientific processing algorithms.

#### **Current development status**

Version 1.33i released 11/08/2004

#### **The platforms on which it works**

MacOS, Windows 95/98/2000, OS Independent, PDA Systems

#### **Location for download**

<http://rsb.info.nih.gov/ij/download.html>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

2 hours.

#### **Requirements to install and maintain the tool**

Available as a complete install package.

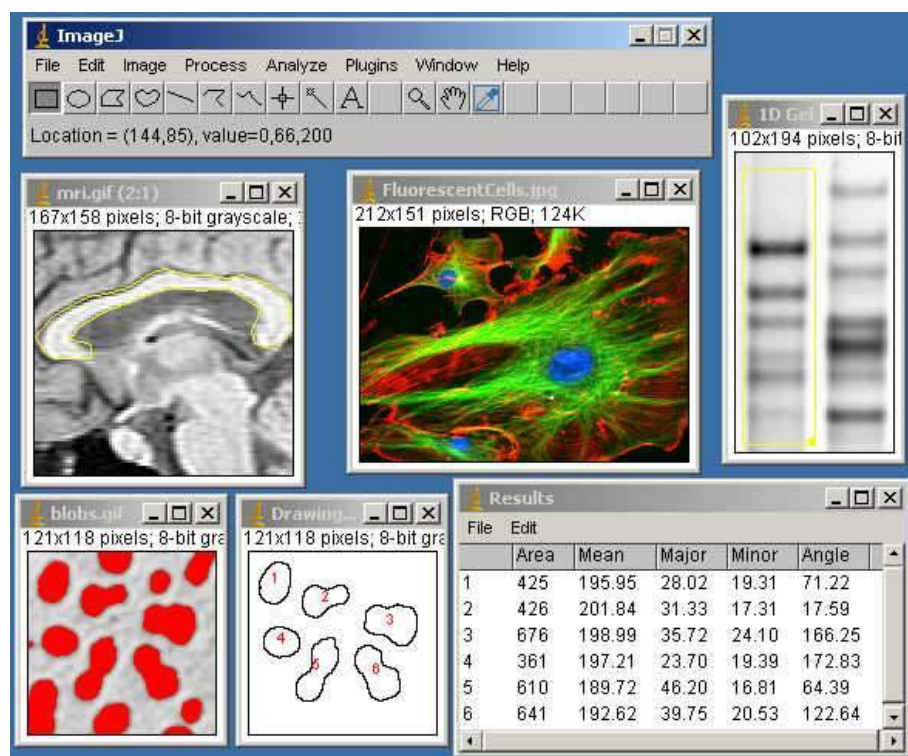
#### **Available documentation**

<http://rsb.info.nih.gov/ij/docs/index.html>

#### **License**

Generic “open source” declaration from authors.

(image source: <http://rsb.info.nih.gov/ij/docs/concepts.html> )



### **B.8.5 Kmatplot**

#### **Purpose of the tool**

Kmatplot is a tool for drawing data sets in two or three dimensions. It can plot many types of 2d plots, including pixmaps and contours, and 3d surfaces. It offers a full WYSIWYG mode with full page or single axes view mode, easy, interactive label placing and editing, zoom and locate tools. It allows 2D, 3D, pixmap and contour plots, plots large datasets, worksheet, formulas, supports XML-based native file format. It imports Matlab MAT1.0 and space separated ASCII data sets, and exports data in ASCII format. It provides optional OpenGL support for 3d plots (although all functionality is available without it), postscript printing, and Octave and Scilab support.

#### **Current development status**

Version 0.4 19/03/2002

#### **The platforms on which it works**

Linux Redhat

*Location for download*

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

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

For people with experience in scientific graphing, 3 hours.

#### **Requirements to install and maintain the tool**

The package is available in RPM form. Requires Qt 3.0.1, MesaGL (3.4.1) or OpenGL library (recommended).

#### **Available documentation**

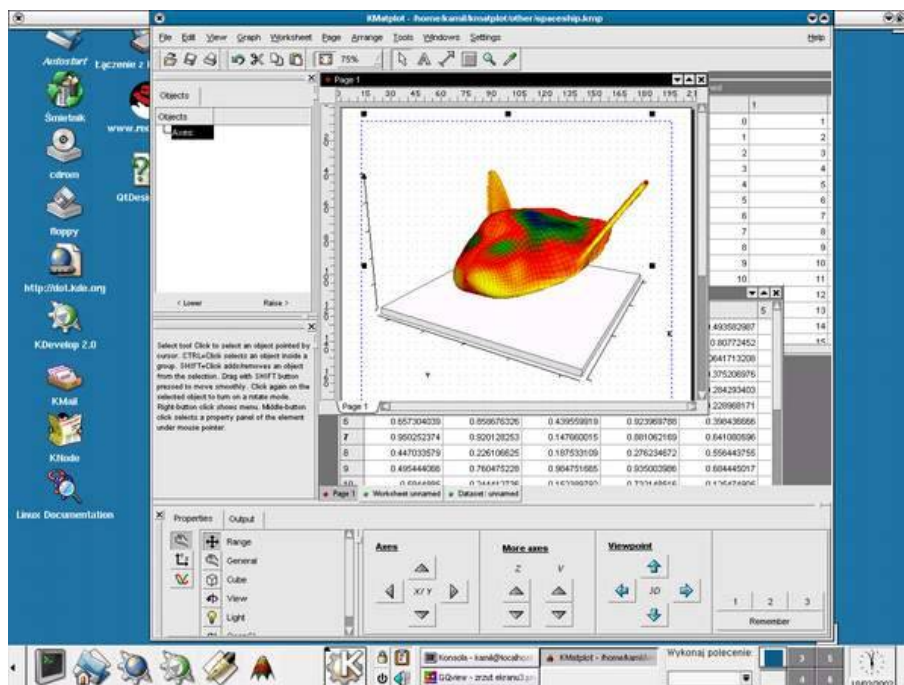
<http://kmatplot.sourceforge.net/api/main.html>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://kmatplot.sourceforge.net/> )

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### **B.8.6 Labplot**

#### **Purpose of the tool**

LabPlot is an application on KDE for data drawing and function analysis. It support both 2D and 3D plots and emulates most of the functions supported by Microcal Origin or SPSS Sigmaplot. It reads different data formats, images and compressed data, creates surface plots from function and data files, analyses data and functions. It supports multiple worksheets and can export them as image and other formats (using Qt, photoedit or ImageMagick).

#### **Current development status**

Version 1.3.0 released 14/06/2004

#### **The platforms on which it works**

POSIX

#### **Location for download**

<http://labplot.sourceforge.net/index.html>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

For people with expertise in scientific graphing: 2 hours

#### **Requirements to install and maintain the tool**

RPM binary packages are provided

#### **Available documentation**

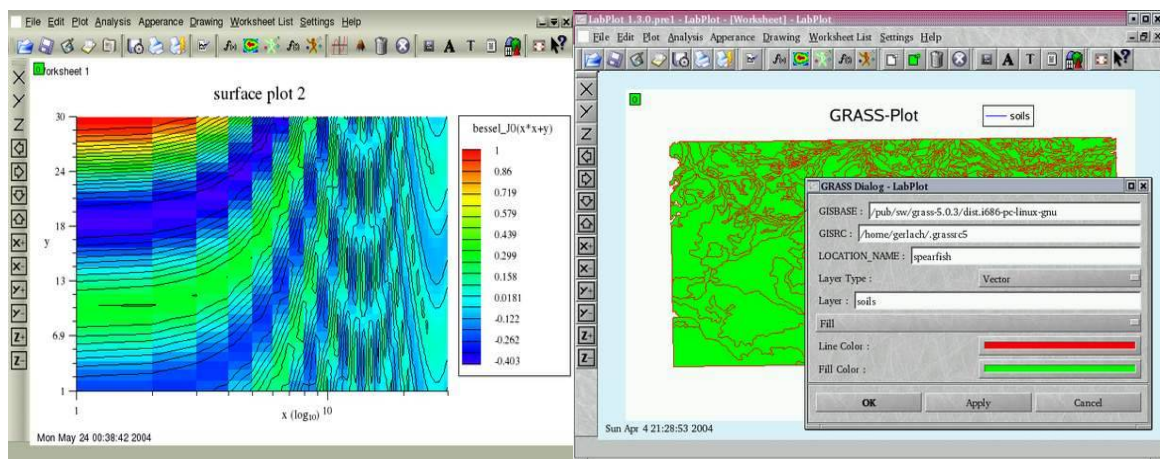
<http://labplot.sourceforge.net/index.html#manual>

#### **License**

The license is claimed to be GPL.

(image source: <http://labplot.sourceforge.net/screenshots.html> )

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## **D. Public libraries**

### **D.1 DjVuLibre**

#### **Purpose of the tool**

Djvu is a web-based platform to distribute content and images. It has the advantage of consuming less resources on the client machine and presenting a nice layout. DjVuLibre is the Open Source implementation of DjVu, including viewers, browser plugins, decoders, simple encoders, and utilities.

#### **Current development status**

Version 3.5.14 released 23/07/2004

#### **The platforms on which it works**

All POSIX (Linux/BSD/UNIX-like OSes), Linux

#### **Location for download**

<http://djvulibre.djvuzone.org>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

1 hour.

#### **Requirements to install and maintain the tool**

DjVuLibre works under Unix with X11, different plug-ins are available under different platforms.

#### **Available documentation**

<http://djvulibre.djvuzone.org/doc/index.html>

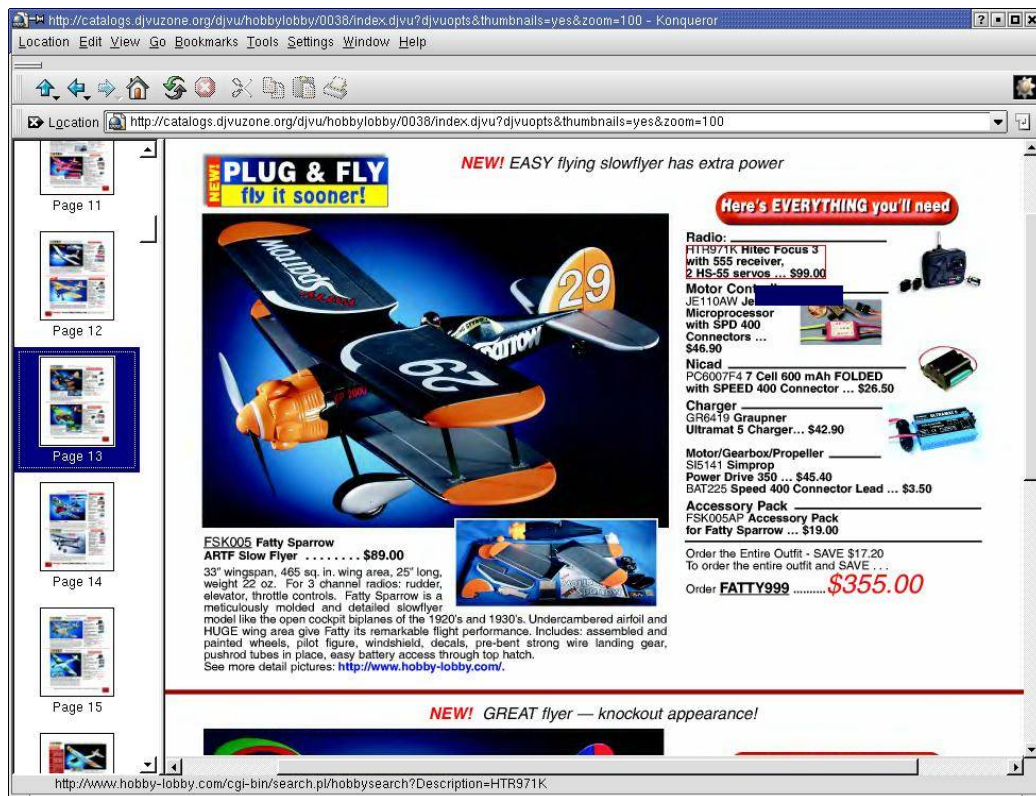
#### **License**

The license is claimed to be GPL.

(image source: <http://djvulibre.djvuzone.org/screenshots.html>)



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## **D.2 Greenstone Digital Library**

### **Purpose of the tool**

Greenstone is a suite that it is used to distribute digital library collections. Information is organized in new ways and gives the possibility to publish the content on the Internet or on CD-ROM. As an added bonus, the package is fully multilingual.

### **Current development status**

Version 2.52 released 19/10/2004

### **The platforms on which it works**

All 32-bit MS Windows (95/98/NT/2000/XP), All POSIX (Linux/BSD/UNIX-like OSes), OS X

### **Location for download**

<http://www.greenstone.org>

### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

### **Requirements for training people using the tools**

1 hour.

### **Requirements to install and maintain the tool**

Binary package is available. Java Runtime Environment is required if there is the necessity to access Greenstone's functionality from an easy-to-use 'point and click' interface.

### **Available documentation**

<http://www.greenstone.org/cgi-bin/library?e=p-en-home-utfZz-8&a=p&p=docs>

### **License**

The license is claimed to be GPL.

(image source: <http://nzdl.org/>)



## **G. E-learning**

### **G.1 ATutor**

#### **Purpose of the tool**

ATutor is an Open Source e-learning platform that offers great accessibility and adaptability. It is compliant with the W3C WCAG 1.0 accessibility specifications at the AA+ level, allowing access to all potential learners, including those with disabilities. Conformance with W3C XHTML 1.0 specifications ensures that ATutor is presented consistently in any standards compliant technology. ATutor has also adopted the IMS/SCORM Content Packaging specifications, allowing content developers to create reusable between different e-learning systems.

#### **Current development status**

Version 1.4.3 released 03/02/2005

#### **The platforms on which it works**

All 32-bit MS Windows (95/98/NT/2000/XP), All BSD Platforms(FreeBSD/NetBSD/OpenBSD/Apple Mac OS X), All POSIX (Linux/BSD/UNIX-like OSes), OS Independent (Written in an interpreted language), Linux, Solaris

#### **Location for download**

<http://www.atutor.ca>

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

1 hour.

#### **Requirements to install and maintain the tool**

The package is available in a targz package, an existing MySql installation is required.

#### **Available documentation**

<http://www.atutor.ca/atutor/docs/index.php>

#### **License**

The license is claimed to be GPL.

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(image source: [http://sourceforge.net/project/screenshots.php?group\\_id=21294](http://sourceforge.net/project/screenshots.php?group_id=21294))

The screenshot shows the ATutor Demo Course Server interface. The main content area is titled "4.2.2 Enrollment Manager (Export Content)". It contains a paragraph explaining the Enrollment Manager's function: "The Enrollment Manager is used to manage people in a course. You may manually create a course list, adding students to your course by entering names and email addresses into the **Create Course List** tool. You might choose to **Import or Export a Course List** in a comma separated values (CSV) format, or **Create Groups** for selectively assigning test or quizzes to different students. Students who have completed the course can be added to the **Alumni list**, so they can access the course and participate in forums after finishing the course. **Roles & Privileges** can be assigned to enrolled course members to create assistants or multiple instructors."

Below the text are several tabs: "Export Course List", "Import Course List", "Create Course List", and "Groups". The "Enrolled" tab is selected, showing a table of enrolled users. The table has columns for "Login", "Email", "First Name", "Last Name", and "Role". The data rows are:

Login	Email	First Name	Last Name	Role
<input type="checkbox"/> bill_thompson	b.thompson@esc.edu	Bill	Thompson	Student
<input type="checkbox"/> janice_byor	j.byor@esc.edu	Janice	Byor	Student
<input type="checkbox"/> john_westerley	j.westerley@esc.edu	John	Westerley	Student
<input type="checkbox"/> karen_rouse	k.rouse@esc.edu	Karen	Rouse	Student
<input type="checkbox"/> lucy_talbot	l.talbot@esc.edu	Lucy	Talbot	Teaching Assistant

Below the table are buttons for "Role & Privileges", "Un-enroll", "Mark Alumni", and "Add to Group".

On the right side, there is a "Lesson Menu" with a tree structure showing the course content. The "4.2 Instructor Tools" section is expanded, showing sub-items like "4.2.1 File Manager", "4.2.2 Enrollment Manager", "4.2.3 Test & Survey...", "4.2.4 Content Packaging", "4.2.5 Backup Manager", "4.2.6 Course Tracker", and "4.2.7 Course Default...".

At the bottom left, there is a "Self-Enrollment" section with the text: "You may choose to have your students create their own ATutor accounts, then self-enroll in your course. Direct your students to the Getting Started section of ATutor HowTo, or create your own version of it, to provide instruction on registering and enrolling."

## **G.2 Manhattan**

### **Purpose of the tool**

Manhattan is a free Open Source course management system. It allows an easy communication with the students, making syllabi and lecture notes available on the web without the need to create a webpage. Discussion groups and chat sessions are also available, together with the possibility to submit assignments, and receive feedback.

### **Current development status**

Version 2.4 released 13/05/2004

### **The platforms on which it works**

All POSIX (Linux/BSD/UNIX-like OSes), Linux.

### **Location for download**

<http://manhattan.sourceforge.net>

### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government
End Users	

### **Requirements for training people using the tools**

1 hour.

### **Requirements to install and maintain the tool**

The basic requirements are the GCC compiler, GNU Make, and the Apache web server installed on the system.

### **Available documentation**

[http://manhattan.sourceforge.net/content.php?page\\_id=10](http://manhattan.sourceforge.net/content.php?page_id=10)

### **License**

The license is claimed to be GPL.

(image source: [http://manhattan.sourceforge.net/content.php?menu=10&page\\_id=2](http://manhattan.sourceforge.net/content.php?menu=10&page_id=2))

### **G.3 doceboLMS.org**

#### **Purpose of the tool**

doceboLMS.org, the new name for the Spaghettilearning project, is an Open Source e-learning platform. The software allows the teachers to have an e-learning platform at disposal. The features available are lessons archive, calendar, news, official test, valuation test, chat forum and class file trade. The project is multi-language and supports SCORM.

#### **Current development status**

Version 2.02 released 07/01/2005

#### **The platforms on which it works**

All 32-bit MS Windows (95/98/NT/2000/XP), All POSIX (Linux/BSD/UNIX-like OSes), OS Independent (Written in an interpreted language), Linux, BeOS.

#### **Location for download**

<http://www.docebolms.org>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
End Users	

#### **Requirements for training people using the tools**

1 hour.

#### **Requirements to install and maintain the tool**

The basic requirements are the GCC compiler, GNU Make, and the Apache web server installed on the system.

#### **Available documentation**

<http://www.docebolms.org>

#### **License**

The license is claimed to be GPL.

(<http://www.docebolms.org/index.php?mn=media&pb=142&op=file&id=27>)



## **G.4 Claroline**

### **Purpose of the tool**

Claroline is a collaborative learning environment based on PHP/MySQL. It allows teachers or education institutions to create and administer courses through the web. The system provides group management, forums, document repositories, calendar, chat, assignment areas, links, user profile administration on a single and highly integrated package.

### **Current development status**

Version 1.5.3 released 22/12/2004

### **The platforms on which it works**

Windows, Unix, Linux, Mac OS X.

### **Location for download**

<http://www.claroline.net>

### **Requirements for training people using the tools**

1 hour.

### **Requirements to install and maintain the tool**

A web server is required, PHP 4.1 or later, the MySQL databases server 3.23 or later and optionally a Mail Transport Agent .

### **Available documentation**

<http://www.claroline.net/documentation.htm>

## **License**

The license is claimed to be GPL.

(<http://www.claroline.net/demo.htm>)

The screenshot displays the user interface of the Demo Claroline 1.5.3 web application. At the top, a dark blue header bar contains the text 'Demo Claroline 1.5.3' on the left and 'Claroline.net' on the right. Below this, a light green banner features the course title 'how to make money' in bold, followed by '008 - joe eric' and a 'Course Home' button with a dropdown arrow. A breadcrumb trail reads 'Demo Claroline 1.5.3 > 008'. On the left side, a vertical menu lists various course components with corresponding icons: Course description (list icon), Agenda (calendar icon), Announcements (megaphone icon), Documents and Links (folder icon), Exercises (checkmark icon), Learning Path (path icon), Assignments (notepad icon), Forums (speech bubble icon), Groups (people icon), Users (person icon), and Chat (document icon). The bottom of the interface has a white footer with three sections: 'Course Manager(s) : [joe eric](#)', 'Manager Demo Claroline 1.5.3 : [Mathieu Laurent](#)', and 'Powered by [Claroline](#) © 2001 - 2004'.



## **M. Encryption, privacy and security**

### **M1 Firewall & tools**

#### ***M.1.1 Akenti***

##### ***Purpose of the tool***

Akenti is a tool for definition and enforcement of access control policies that does not require a central enforcer and administrative authority. It provides scalable security services in highly distributed networks. Akenti security is implemented by servers using the SSL protocol to manage resources protected by use-condition certificates created by the owners of the resources. A resource owner may also require that a user possess attribute certificates. It is used to implement SSO systems.

##### ***Current development status***

Version 1.4 released 03/11/2003

##### ***The platforms on which it works***

Linux RedHat 9 and Solaris 2.7

*Location for download*

<http://www-itg.lbl.gov/Akenti/>

##### ***Intended audience***

<b>Users</b>	<b>Administration</b>
Developers	Municipal authorities
Administrators	Provincial administration
	Central government
Expert Users	
End Users	

##### ***Requirements for training people using the tools***

The complexity of the infrastructure requires significant training effort for a developer interested in integrating Akenti with other applications; as such, an estimate of time to basic proficiency is 40 hours.

##### ***Requirements to install and maintain the tool***

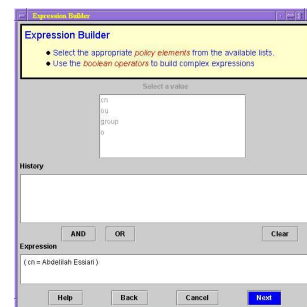
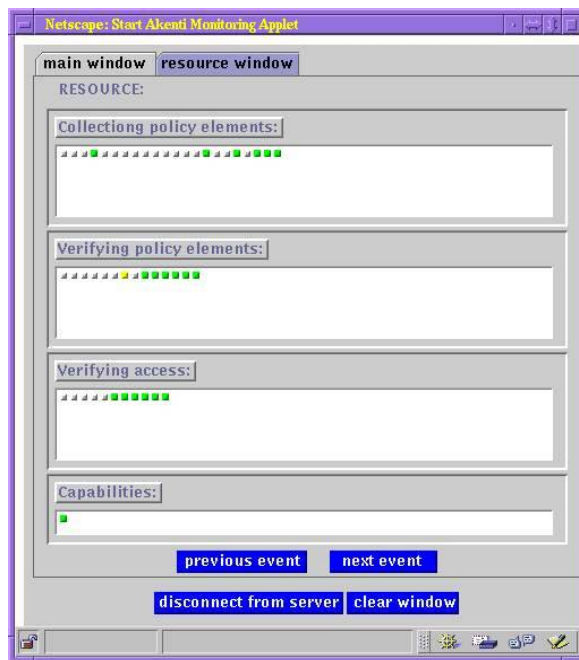
Install and maintenance is complex (due to the significant complexity of the SSO model) and even with the supplied binaries there is a significant effort in installing and configuring the various components.

*Available documentation*

<http://www-itg.lbl.gov/Akenti/docs/manuals.html>

## License

The license is claimed to be BSD-style license (<http://www-itg.lbl.gov/akenti/codeDist/LICENSE.pdf>)  
(image source: <http://www-itg.lbl.gov/Akenti/docs/manuals.html>)



### **M.1.2 Clam Antivirus**

#### **Purpose of the tool**

Clam AntiVirus is an anti-virus toolkit for UNIX. The main purpose of this software is the integration with mail servers (attachment scanning). The package provides a multi-threaded daemon, a command line scanner, and a tool for automatic updating via Internet. The programs are based on a shared library distributed with the Clam AntiVirus package, which can be used for development of third-party software.

#### **Current development status**

Version, 0.75.1 Beta 29/07/2004

#### **The platforms on which it works**

POSIX, Windows

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government
Expert Users	

#### *Location for download*

<http://sourceforge.net/projects/clamav/>

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Binary packages are available for all supported platforms

#### *Available documentation*

<http://clamav.sourceforge.net/doc/0.75/>

#### **License**

The licenses is claimed to be GNU GPL.

### **M.1.3 Dropbear**

#### **Purpose of the tool**

Dropbear is an SSH server with a small memory footprint suitable for memory-constrained environments. It implements X11 forwarding, and authentication-agent forwarding for OpenSSH clients and supports TCP forwarding. It can run from inetd and is compatible with OpenSSH ~/.ssh/authorized\_keys public key authentication.

#### **Current development status**

Version 0.43 released 17/07/2004

#### **The platforms on which it works**

POSIX

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
Software Integrators	Central government
Expert Users	

#### **Location for download**

<http://matt.ucc.asn.au/dropbear/>

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

Requires compilation of the source code for RPM systems.

#### *Available documentation*

<http://ftp.axis.se/pub/users/cii/floppyfw-2.9.x/dropbear-0.41b/INSTALL>

#### **License**

The licenses is claimed to be MIT/X Consortium License.

### **M.1.4 Enforcer**

#### **Purpose of the tool**

The Enforcer is a Linux Security Module designed to improve integrity of a computer by ensuring no corruption of the file system. Together with TCPA hardware it provides higher levels of assurance for software and sensitive data. It checks for each opened file if it has been changed, and takes an admin action/s (log the error, deny access to the file, panic the system...). Using TPM it can store the secret to an encrypted loop-back file system, and unmount this file system upon the detection of a tampered file. It can also bind specific applications to have access to specific files. It can ensure that no files added to directories, after the database is built, can be accessed.

#### **Current development status**

Version 0.4Beta, 09/04/2004

#### **The platforms on which it works**

Linux

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government
Expert Users	

#### *Location for download*

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

#### **Requirements for training people using the tools**

User should have minimal interaction with the tool.

#### **Requirements to install and maintain the tool**

Requires compilation from source and some external libraries (Linux Security Module framework, Linux 2.6.3+, IBM's TCPA library, and a TCPA enabled LILO)

#### *Available documentation*

<http://enforcer.sourceforge.net/README.CONFIG>

#### **License**

The licenses is claimed to be GNU GPL.

## **M1.5 Firewall Builder**

### **Purpose of the tool**

Firewall Builder is multi-platform firewall configuration and management tool. It consists of a GUI and set of policy compilers for various firewall platforms. Firewall Builder helps administrator maintain a database of network objects and allows policy editing using drag&drop operations. Firewall Builder Currently supports iptables, ipfilter, OpenBSD PF and Cisco PIX.

### **Current development status**

Version 2.0.1 released 11/08/2004

### **The platforms on which it works**

POSIX, Windows and Mac OS X.

### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

### *Location for download*

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

### **Requirements for training people using the tools**

For user with experience in networking and TCP/IP protocols: 1 hour

### **Requirements to install and maintain the tool**

Binaries are available for all the supported platforms

### *Available documentation*

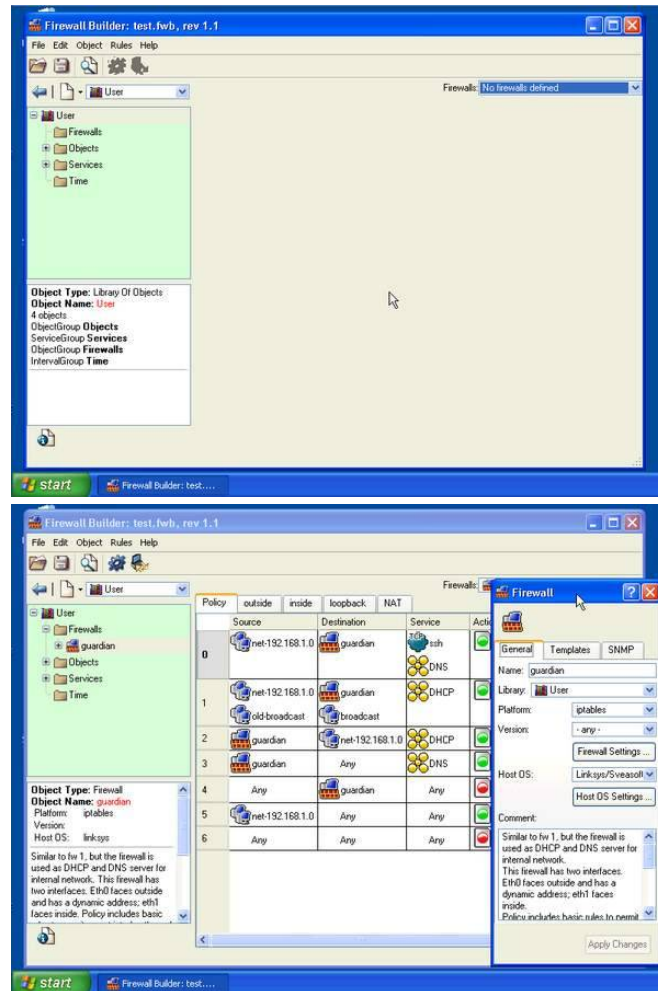
<http://www.fwbuilder.org/UsersGuide.pdf>

### **License**

The licenses is claimed to be GNU GPL.

(image source: [http://www.fwbuilder.org/archives/cat\\_screenshots.html](http://www.fwbuilder.org/archives/cat_screenshots.html) )

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### **M.1.6 Firestarter**

#### **Purpose of the tool**

Firestarter is a firewall tool for Linux that uses GNOME. It provides wizards to create a basic firewall, then reorganizes it further using the dynamic rules. The ports can be opened and closed with a few clicks. It features a real-time hit monitor where it is possible to watch as attackers check out the running machine for open ports.

#### **Current development status**

Version 0.9.3 released 02/05/2004

#### **The platforms on which it works**

Linux 2.4/2.6 with Gnome or KDE

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
	Central government

#### *Location for download*

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

#### **Requirements for training people using the tools**

For user with experience in networking and TCP/IP protocols: less than 1 hour

#### **Requirements to install and maintain the tool**

RPM packages are available

#### *Available documentation*

<http://firestarter.sourceforge.net/manual/gettingstarted.php>

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://firestarter.sourceforge.net/manual/> )



## Work Package 2, Deliverable 2.1 - Catalogue of available Open Source tools for the PA

The screenshot displays two windows from the Firestarter application. The left window, titled 'Firestarter brimstone.sby.abo.fi', shows the 'Hits' tab with a table of network activity. The right window, titled 'Firewall Wizard Internet connection sharing setup', shows the NAT configuration options.

**Firewall Hits Table:**

Time	Port	Source	Protocol	Service
Jan 14 15:55:58	27017	169.254.112.86	udp	unknown
Jan 14 15:55:58	27016	169.254.112.86	udp	unknown
Jan 14 15:55:58	27015	169.254.112.86	udp	unknown
Jan 14 15:59:08	137	130.232.136.19	udp	netbios-ns
Jan 14 16:01:54	22	130.232.213.6	tcp	ssh
Jan 14 16:02:01	23	130.232.213.6	tcp	telnet
Jan 14 16:03:31	5000	130.232.213.6	tcp	uPNP
Jan 14 16:04:23	37337	130.232.213.6	tcp	unknown
Jan 14 16:04:43	6000	130.232.213.6	tcp	x11
Jan 14 16:04:51	8080	130.232.213.6	tcp	webcache
Jan 14 16:05:02	80	130.232.213.6	tcp	http

Firewall running

**Firewall Wizard Internet connection sharing setup**

Network Address Translation (NAT) is a technique that allows all the machines on your network to share a single IP address and Internet connection.

☐ Disable Network Address Translation

☒ Enable Network Address Translation

Select your internal network device:

☒ Autodetect internal network IP range

☐ Specify internal network IP range manually (advanced users only)

Enter the internal network address range:

Tip: The network range is given in the form of address/mask. 192.168.0.0/24 is the most common IP range reserved for internal networks.

Buttons: Back, Forward, Save, Quit

### **M.1.7 FieryFilter**

#### **Purpose of the tool**

FieryFilter is an interactive desktop firewall for Linux. It asks the user every time a new network connection is made if he or she wants to allow or deny it. The user is able to generate rules from connections and thus minimize the amount of questions asked.

#### **Current development status**

Version, 0.4-alpha 09/03/2003

#### **The platforms on which it works**

POSIX

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
	Central government

#### *Location for download*

<http://freshmeat.net/projects/fieryfilter>

#### **Requirements for training people using the tools**

For user with experience in networking and TCP/IP protocols: less than 1 hour

#### **Requirements to install and maintain the tool**

Package requires compilation from source code

#### *Available documentation*

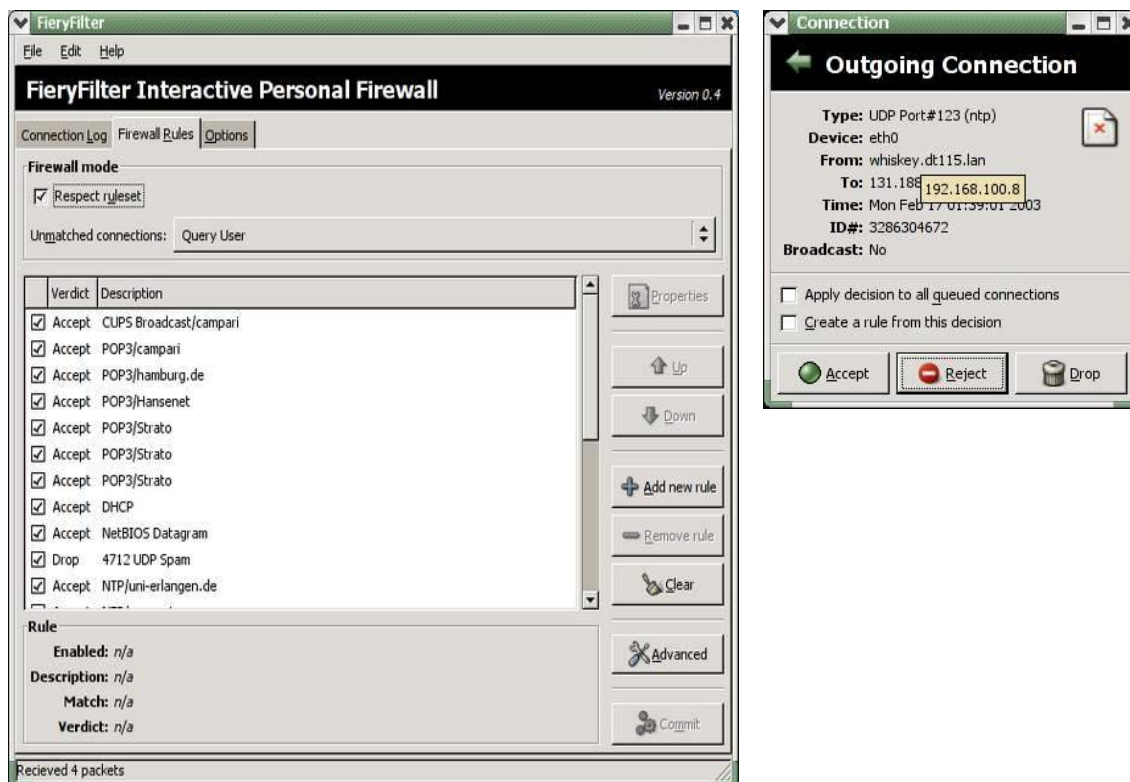
Installation package ->README

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://www.stud.uni-hamburg.de/users/lennart/projects/fieryfilter/screenshots/> )

<http://www.stud.uni-hamburg.de/users/lennart/projects/fieryfilter/screenshots/>



### **M.1.8 fwknop**

#### **Purpose of the tool**

fwknop ("Firewall Knock Operator") is a software that implements network access controls (via iptables) based on a flexible port knocking mini-language. It can run in server mode, as a daemon, that watches iptables log messages and upon a valid knock sequence it modifies the iptables rule set to grant the appropriate access to the originating IP address. In client mode, fwknop generates either an encrypted or a shared knock sequence. It supports various types of alerts (email, content-based, and DShield alerts). Scan thresholds are configurable, and danger level can be assigned.

#### **Current development status**

Version 0.2 released 31/07/2004

#### **The platforms on which it works**

Linux 2.4/2.6 or OpenBSD 3.0-3.5

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Location for download**

<http://www.cipherdyne.org/fwknop/>

#### **Requirements for training people using the tools**

Users are not expected to have direct interfacing with the package

#### **Requirements to install and maintain the tool**

Requires compilation from source code.

#### **Available documentation**

<http://www.cipherdyne.org/psad/doc.html>

#### **License**

The licenses is claimed to be GNU GPL.

### **M.1.9 Gringotts**

#### **Purpose of the tool**

Gringotts is a small utility that allows jotting down sensitive data (passwords, PINs, small files, etc.) in a readable, easy accessible, and secure form. Gringotts utilizes GTK+ 2 for the user interface, and allows the user to choose among eight strong encryption algorithms (RIJNDAEL-128, RIJNDAEL-256, SERPENT, TWOFISH, CAST-256, SAFER+, LOKI97, 3DES), two hashing algorithms (SHA1, RIPEMD 160), and two compression techniques (ZLib and BZip2) with four compression ratios.

#### **Current development status**

Version 1.2.8 released 21/10/2003

#### **The platforms on which it works**

POSIX

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Location for download**

<http://devel.pluto.linux.it/projects/Gringotts/index.php?page=home>

#### **Requirements for training people using the tools**

Minimal

#### **Requirements to install and maintain the tool**

RPM packages are available.

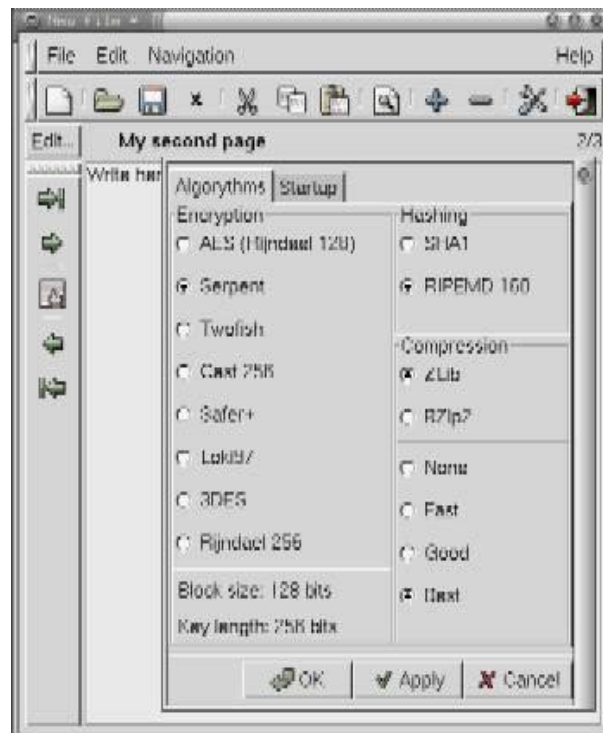
*Available documentation*

<http://devel.pluto.linux.it/projects/libGringotts/index.php?page=manual>

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://devel.pluto.linux.it/projects/Gringotts/index.php?page=shots> )



### **M.1.10 Kguarddog**

#### **Purpose of the tool**

Guarddog is firewall generation/management utility for KDE 2 or 3 on Linux. It allows specification of protocols that should be allowed to pass through the firewall, and requires no knowledge of port numbers. It generates scripts for ipchains and/or iptables.

#### **Current development status**

Version 2.2.0 released 26/08/2003

#### **The platforms on which it works**

KDE/Linux

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
	Central government
Expert Users	

#### *Location for download*

<http://www.simonzone.com/software/guarddog/>

#### **Requirements for training people using the tools**

For user with experience in networking and TCP/IP protocols: less than 1 hour

#### **Requirements to install and maintain the tool**

RPM packages are available

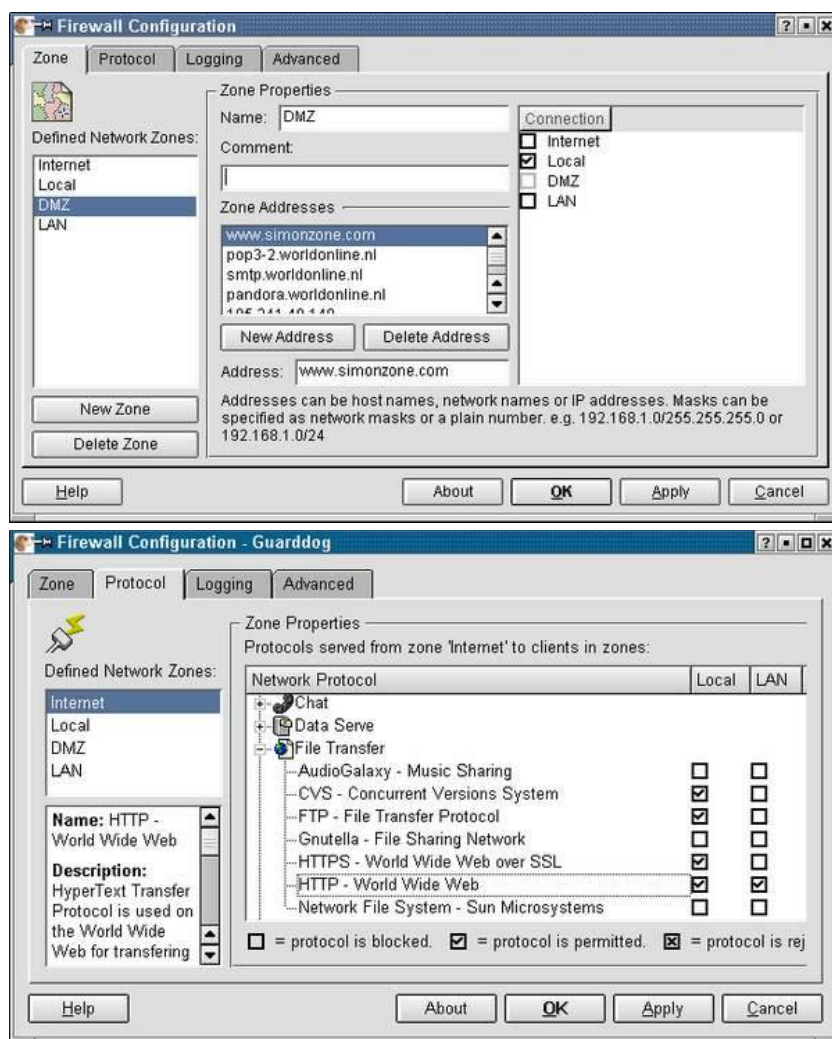
#### *Available documentation*

<http://www.simonzone.com/software/guarddog/manual2/index.html>

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://www.simonzone.com/software/guarddog/#screenshots> )





### M3. Digital signature

#### **M.3.1 Opensign**

##### **Purpose of the tool**

OpenSign is a java applet for signing text in a web browser using a PKCS-12 key-files or keys located in MS Crypto API CSP's in a Win32 environment.

##### **Current development status**

Version 1.2.1 released 17/05/2004

##### **The platforms on which it works**

POSIX

##### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

##### **Location for download**

<http://www.openoces.org/opensign/download.html>

##### **Requirements for training people using the tools**

Less than 1 hour

##### **Requirements to install and maintain the tool**

Already signed binaries are available for deployment through web pages.

##### *Available documentation*

<http://www.openoces.org/opensign/documentation/index.html>

##### **License**

The licenses is claimed to be GNU GPL.

### **M.3.2 Opensignature**

#### **Purpose of the tool**

OpenSignature is a Linux toolkit that allows signing, verification, sending a document.

#### **Current development status**

Version 0.92 released 13/12/2003

#### **The platforms on which it works**

POSIX

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Location for download**

[http://opensignature.sourceforge.net/firma\\_digitale-0.92.tar.gz](http://opensignature.sourceforge.net/firma_digitale-0.92.tar.gz)

#### **Requirements for training people using the tools**

Less than 1 hour

#### **Requirements to install and maintain the tool**

Several packages are needed for correct functionality. The program itself is a tcl/tk script.

*Available documentation*

<http://opensignature.sourceforge.net/kmail.htm>

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://opensignature.sourceforge.net/> )



## **P. Databases**

Our categorization front-ends and clients, and protocols. Ontology tools are also added to support the design or the visualization of databases.

### **P.2 Front-ends and clients**

#### **P2.1 Agata Report**

##### **Purpose of the tool**

Agata Report is a cross-platform database reporting tool. Using a graphical user interface, it allows to extract data from PostgreSQL, MySQL, Oracle, DB2, MS-SQL, Informix, InterBase, Sybase, or Frontbase and to produce PostScript, plain text, HTML, XML, PDF, or spreadsheet (CSV) output. The interface works in the same way on Linux and Windows, and supports different languages like English, Portuguese, Spanish, Italian, French, German and Swedish. Reports can also be generated from the command line (Linux shell or MS-DOS prompt). Agata Report allows the definition of levels, subtotals, and a grand total for the report, merging the data into a single report, generating an ER-diagram for a given database. Reports can be fed to custom PHP functions and be made available on Web.

##### **Current development status**

Version 6 Beta 25/06/2004

##### **The platforms on which it works**

Windows, Linux, Unix

##### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

##### **Location for download**

<http://www.agata.org.br/us/index.php>

##### **Requirements for training people using the tools**

4 hours.

##### **Requirements to install and maintain the tool**

Install is available in RPM format, but the package itself needs many additional packages and libraries, increasing the install time.

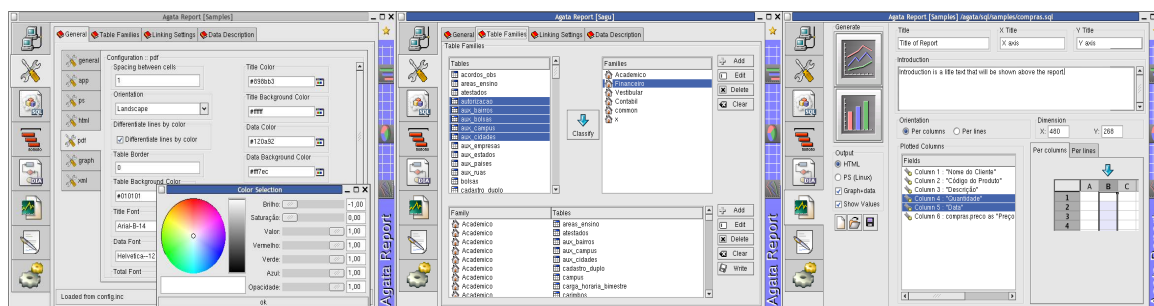
##### **Available documentation**

<http://www.agata.org.br/us/doc.php>

## License

The license is claimed to be GNU GPL.

(image source: <http://www.agata.org.br/screen/index.html> )



## **P.2.2 DataVision**

### **Purpose of the tool**

DataVision is a Java-based, platform-independent reporting tool similar to Crystal Reports. It works with any database that has a JDBC driver (Oracle, PostgreSQL, MySQL, Informix...). Reports can be run, viewed, and printed from the application or exported in various formats (HTML, XML, PDF, LaTeX2e...) They are stored as human-readable XML and can read data from various data sources. It offers facilities like report, page, and group headers and footers, allows report field formatting including colour, numeric and date format, font styles and so on. Run-time parameters that can be entered by the user, read from an XML file, or accessed through run-time variables.

### **Current development status**

Version 0.8.2 released 13/08/2004

### **The platforms on which it works**

Windows, Linux, Mac OS X, BSD, Solaris

*Location for download*

<http://datavision.sourceforge.net/index.html>

### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

### **Requirements for training people using the tools**

4 hours.

### **Requirements to install and maintain the tool**

Java JAR binary packages are available,

### **Available documentation**

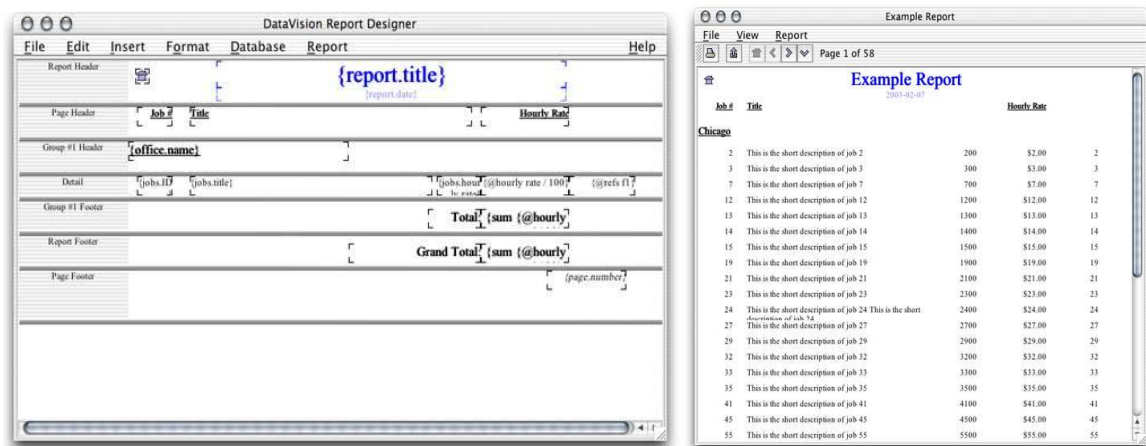
<http://datavision.sourceforge.net/DataVision/DataVision.html>

### **License**

The license is claimed to be Apache license.

(image source: <http://datavision.sourceforge.net/screenshot.html> )

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### **P.2.3 DBDesigner 4**

#### **Purpose of the tool**

DBDesigner 4 is a visual database design system within which databases can be designed, modelled, created and maintained. Visual model of any database can be created; it provides extensive modelling tools and editors that support synchronisation. It supports reverse engineering for MySQL, Oracle, MSSQL and any ODBC databases, user-defined schema-generation, Model-To-Database synchronization. It has full documentation capabilities, advanced model printing, output as image. It allows network-/multiuser access to database storage and provides version control.

#### **Current development status**

Version 4.0.5.6 released 28/04/2004

#### **The platforms on which it works**

Linux Redhat/Suse

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Location for download**

<http://www.fabforce.net/dbdesigner4/>

#### **Requirements for training people using the tools**

Basic usage: 2 hours; more sophisticated use: 10 hours

#### **Requirements to install and maintain the tool**

Easy to install binary packages are available.

#### **Available documentation**

<http://www.fabforce.net/dbdesigner4/docs.php>

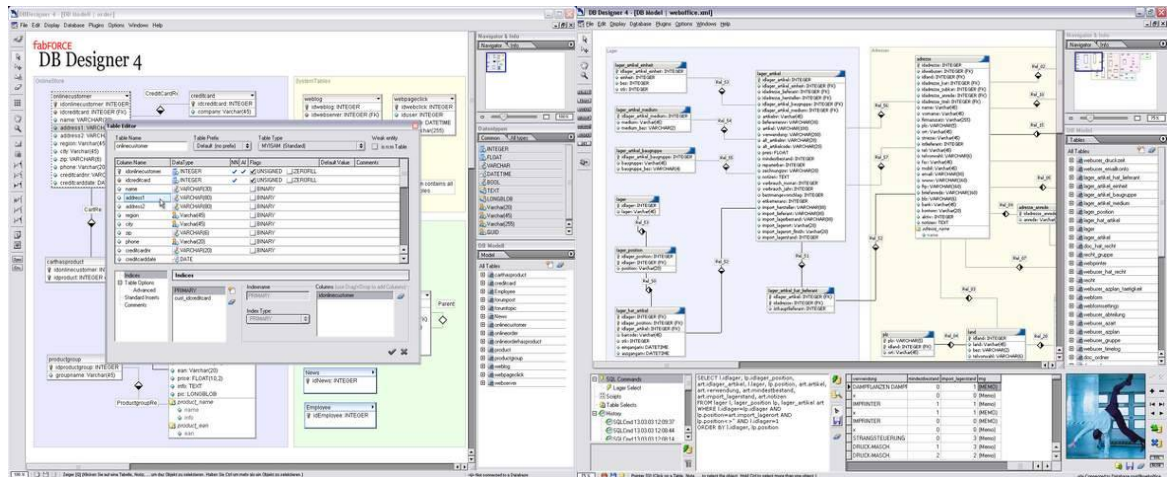
#### **License**

The license is claimed to be GNU GPL.

(image source: <http://www.fabforce.net/dbdesigner4/screenshots.php> )



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## **P.2.4 Geode**

### **Purpose of the tool**

Geode is an Integrated Development Environment designed to facilitate development in the ESI Objects system. ESI Objects is an object-oriented, open-source database design and development platform that formerly required a Windows-based Client (IDE).

### **Current development status**

Version 0.2-alpha released 12/07/2004

### **The platforms on which it works**

Linux

### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

### **Location for download**

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

### **Requirements for training people using the tools**

For experts in the ESI object tool: less than 1 hour

### **Requirements to install and maintain the tool**

RPM packages are available

### **Available documentation**

Not available.

### **License**

The license is claimed to be GNU GPL.

(image source: <http://geode.sourceforge.net/> )

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### **P.2.5 Mergeant**

#### **Purpose of the tool**

Mergeant is an application that allows data management within a database by connecting through the Libgda library (MySQL, PostgreSQL, Oracle, etc). A DML query can be created using SQL statements or from a GUI interface. The database structure can be browsed (but not modified yet), and graphical representations of the database relations can be created.

#### **Current development status**

Version 0.5 released 13/08/2004

#### **The platforms on which it works**

POSIX

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Location for download**

[http://gnomefiles.org/app.php?soft\\_id=199](http://gnomefiles.org/app.php?soft_id=199)

#### **Requirements for training people using the tools**

2 hours

#### **Requirements to install and maintain the tool**

RPM packages are available. This application requires GTK+ version 2.4.x. Other dependencies include: Libgda >= 1.1.6 Libgnomedb >= 1.1.6

#### **Available documentation**

<http://www.gnome-db.org/docs/mergeant/>

#### **License**

The licenses it conforms to are claimed to be GNU GPL and LGPL.

## **P.2.6 MDB tools**

### **Purpose of the tool**

MDB Tools includes programs to export database schemata and data from Access to other databases such as MySQL, Oracle, Sybase, PostgreSQL, and others.

### **Current development status**

version 0.6 Beta 18/06/2004

### **The platforms on which it works**

POSIX

### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

### **Location for download**

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

### **Requirements for training people using the tools**

Less than 1 hour.

### **Requirements to install and maintain the tool**

RPM packages are available.

### **Available documentation**

<http://mdbtools.sourceforge.net/install/>

### **License**

The libraries in MDB Tools (libmdb, libmdbsql, and libmdbodbc) are licensed under the LGPL. The remainder of the software is license under the GPL. More information on: <http://mdbtools.sourceforge.net/faq.html#license>

### **P.2.7 MySQL Control Center**

#### **Purpose of the tool**

MySQL Control Center (aka MySQLCC) is a platform-independent GUI administration client for the MySQL database server. It allows writing queries in a syntax-highlighting text editor, and viewing the results in a configurable table display. The table view includes support for viewing images stored in BLOB fields. It allows the creation and management of databases and tables, including views of table and field attributes. Tables can be checked, repaired, and optimized.

#### **Current development status**

Version 0.9.4 released 13/12/2003

#### **The platforms on which it works**

OS independent

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

#### **Location for download**

<http://www.mysql.com/products/mysqlcc/>

#### **Requirements for training people using the tools**

For users with knowledge of Mysql and databases: 2 hours.

#### **Requirements to install and maintain the tool**

Easy to install binary packages are available for Linux and windows.

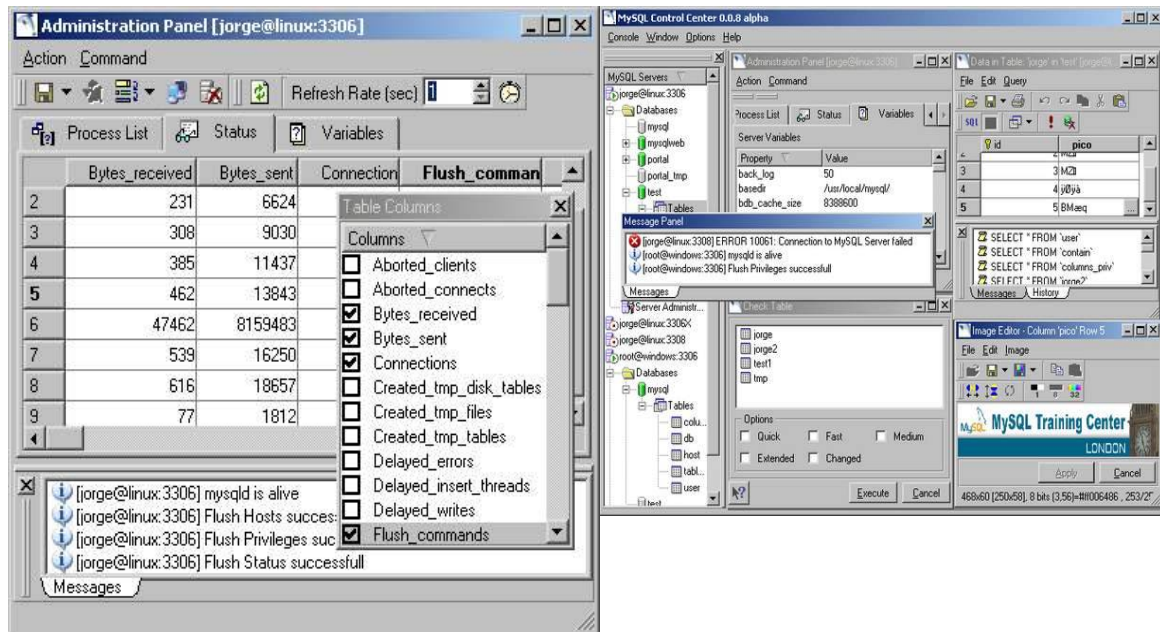
#### **Available documentation**

<http://dev.mysql.com/downloads/other/mysqlcc.html>

#### **License**

The licenses it conforms to are claimed to be GNU GPL, LGPL or commercial.  
(<http://www.mysql.com/company/legal/licensing/opensource-license.html>)  
(image source: <http://www.mysql.com/products/mysqlcc/screenshots.html> )

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### **P.2.8 ODBTP**

#### **Purpose of the tool**

ODBTP is a TCP/IP protocol for connecting to Win32-based databases from any platform. It is ideal for remotely accessing MS SQL Server, MS Access, and Visual FoxPro database from Linux or Unix machines. ODBTP is fast and efficient and used to implement connectivity with openoffice and other db-capable application and external databases

#### **Current development status**

Version 1.1.2 released 16/08/2004

#### **The platforms on which it works**

Windows 95/98/2000, Windows NT/2000, Linux

#### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Location for download**

<http://odbtp.sourceforge.net>

#### **Requirements for training people using the tools**

Developers can create simple code after 4 hours.

#### **Requirements to install and maintain the tool**

Binary packages for windows are available; unix version require source code compilation.

#### **Available documentation**

<http://odbtp.sourceforge.net/install.html>

#### **License**

The licenses it conforms to are claimed to be GNU GPL and GNU Library or Lesser General Public License (LGPL)



### **P.2.9 phpMyAdmin**

#### **Purpose of the tool**

phpPgAdmin is a web-based administration tool for PostgreSQL.

#### **Current development status**

Version 2.6.0-rc1 released 08/08/2004

#### **The platforms on which it works**

POSIX, Win32

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Location for download**

<http://phppgadmin.sourceforge.net/index.php?page=download>

#### **Requirements for training people using the tools**

User should have no interaction with the package.

#### **Requirements to install and maintain the tool**

Installation requires less than 1 hour.

#### **Available documentation**

<http://www.phpmyadmin.net/documentation/>

#### **License**

The licenses is claimed to be GNU GPL.  
(image source: )

Database *intertech* in esecuzione su *localhost*

Struttura SQL Esporta Cerca Query da esempio Elimina

Tabella	Azione	Record	Tipo	Dimensione	In eccesso
<input type="checkbox"/> Dent_touch		0	MyISAM	1,0 KB	-
<input type="checkbox"/> Tabella Test		0	MyISAM	1,0 KB	-
<input type="checkbox"/> agenda		1	MyISAM	2,0 KB	-
<input type="checkbox"/> agenda_meraner		1	MyISAM	2,1 KB	-
<input type="checkbox"/> alberto_agenda		1	MyISAM	2,1 KB	44 Bytes
<input type="checkbox"/> crivis_agenda		1	MyISAM	2,3 KB	172 Bytes
<input type="checkbox"/> csebastiani_agenda		5	MyISAM	2,3 KB	-
<input type="checkbox"/> email_meraner		0	MyISAM	1,0 KB	-
<input type="checkbox"/> hhalter_agenda		3	MyISAM	2,3 KB	80 Bytes
<input type="checkbox"/> phone_meraner		0	MyISAM	1,0 KB	-
<input type="checkbox"/> psevvi_agenda		2	MyISAM	2,3 KB	144 Bytes
<input type="checkbox"/> sappomanno		4	MyISAM	2,3 KB	92 Bytes
<input type="checkbox"/> sdauid_agenda		0	MyISAM	1,0 KB	-
<input type="checkbox"/> simon_agenda		6	MyISAM	2,5 KB	112 Bytes
<input type="checkbox"/> skytable		0	MyISAM	1,0 KB	-
<b>15 tabella(e)</b>	<b>Totali</b>	<b>24</b>	<b>-</b>	<b>26,0 KB</b>	<b>644 Bytes</b>

Seleziona tutti / Deseleziona tutti / Controlla aggiuntivo Se selezionati

Finestra della Query

### **P.2.10 phpPgAdmin**

#### **Purpose of the tool**

phpPgAdmin is a web-based administration tool for PostgreSQL.

#### **Current development status**

Version 3.4.1 released 05/07/2004

#### **The platforms on which it works**

POSIX, Win32

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
Administrators	Provincial administration
	Central government

#### **Location for download**

<http://phppgadmin.sourceforge.net/index.php?page=download>

#### **Requirements for training people using the tools**

User should have no interaction with the package.

#### **Requirements to install and maintain the tool**

Installation requires less than 1 hour.

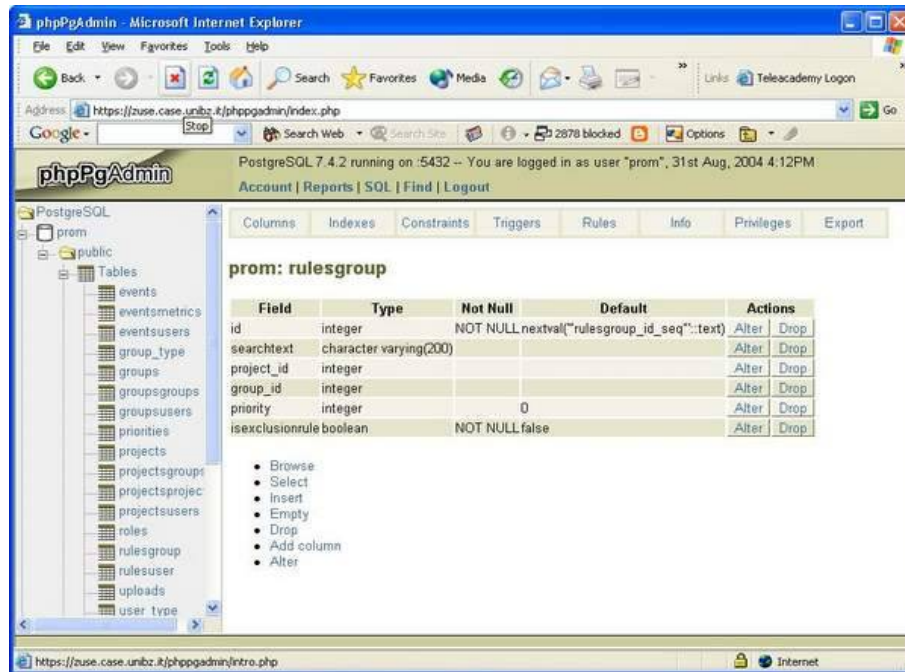
#### **Available documentation**

<http://phppgadmin.sourceforge.net/index.php?page=support>

#### **License**

The license is claimed to be GNU GPL.

(image source: <http://phppgadmin.sourceforge.net/?page=screenshots> )



### **P.2.11 Rekall**

#### **Purpose of the tool**

Rekall is a database front-end similar to Microsoft Access. It is a tool to extract, display and update the data stored on some relational database server. It is database agnostic, and does not have any preferred database.

#### **Current development status**

Version 2.2.0 released 14/07/2004

#### **The platforms on which it works**

POSIX, Win32

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
Software Integrators	Central government
Expert Users	

#### **Location for download**

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

#### **Requirements for training people using the tools**

For basic usage: 4 hours. For sophisticated usage: 12 hours.

#### **Requirements to install and maintain the tool**

Easy to install RPM packages are available.

#### **Available documentation**

<http://www.rekallrevealed.org/toplevel/design.shtml>

#### **License**

The licenses is claimed to be GNU GPL and commercial (<http://www.rekallrevealed.org/toplevel/about/license.shtml>).  
(image source: <http://www.rekallrevealed.org/toplevel/screenshots.shtml> )

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The image displays three screenshots of the 'Rekall' application interface, which appears to be a database management tool.

**Top Left: Table: IFilesClient - Rekall**  
This window shows a table with the following data:

	ClientID	Company	Salutation	Contact	Department
1	104983379.000	Abigails Poodle	Miss	Abigail McCruffs	Poodle Cleansing
2	1049792029.000	Happy Workers	Lord	L. Jackson	Oppression and
3	104983379.000	O'Briens Drain M	Mr	D. O'Brien	Rodding and Gro
4	1049792029.000	Series 1 Software	Dr	M. Richardson	Programming
5	1049792029.000	Digit and Smudgit	Mr	P. Kettle	Interior Decoratin
6	1049792029.000	Yorkshire Throck	Miss	E. Postlethwaite	Throckling and G
7					

**Top Right: Form: IFilesProducts - Rekall**  
This window shows a form with the following fields:

- Description
- Unit Cost
- Next Delivery
- Stock
- DelDate
- Image
- Notes
- Go to product (dropdown menu with 'select' option)
- Buttons: Find, First, Previous, Next, Last

**Bottom: Field Definition Window**  
This window shows the field definitions for the 'Rekall' database:

Name	Type	PK	Description
ClientID	Primary Key	X	Unique primary key
Company	Char		Company name
Salutation	Char		Contact title
Contact	Char		Contact name
Department	Char		Department name
Address1	Char		First address line
Address2	Char		Second address line
Address3	Char		Third address line
TownOrCity	Char		Town or city name
PostCode	Char		ZIP code or whatever
Telephone	Char		Telephone number

Below the table, there are options for field properties:

- Length/Prec: 25
- Null OK: No
- Indexed: Yes
- Unique: Yes
- Validator: (empty)
- Ignore Case: (empty)
- Default Value: (empty)
- Format: (empty)
- Link: (empty)

## **P.2.12 Sqlgui**

### **Purpose of the tool**

SqlGui is a KDE graphical database front-end for MySQL and PostgreSQL. It allows simultaneous connections to several hosts. It provides the status information about the connected server and lists all databases, tables, columns, column types, and their contents. It allows creation/deletion of databases /tables, also in SQL editor for entering queries, and allows export of data to txt, csv, html and xml. It provides a history utility for the given sql-queries and differend database-dependant utilities.

### **Current development status**

Version 0.5.1 released 04/03/2003

### **The platforms on which it works**

POSIX

### **Intended audience**

Users	Administration
	Municipal authorities
Administrators	Provincial administration
Software Integrators	Central government

### **Location for download**

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

### **Requirements for training people using the tools**

2 hours

### **Requirements to install and maintain the tool**

Rpm files are available.

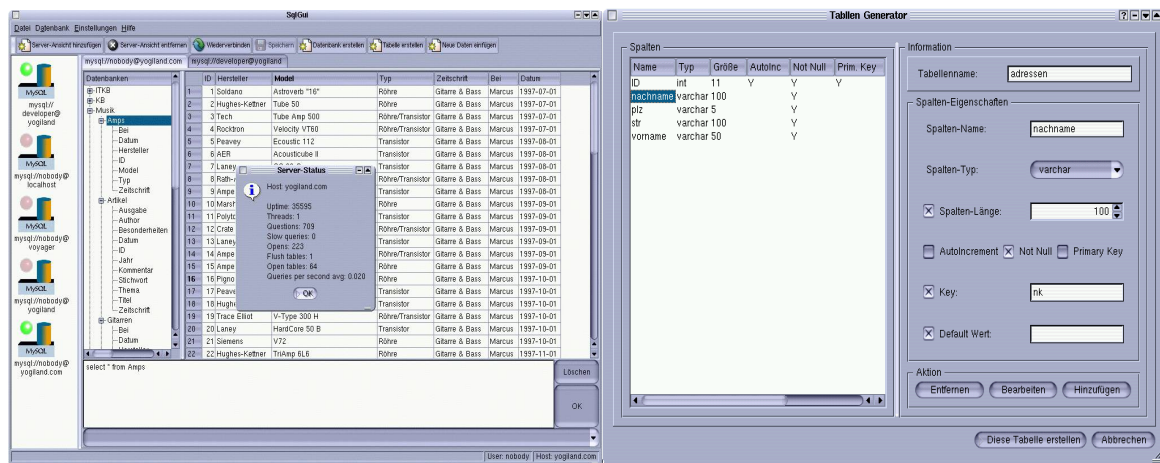
### **Available documentation**

<http://www.sqlgui.de/docs.html> (in German)

### **License**

The licenses is claimed to be GNU GPL.  
(image source: <http://www.sqlgui.de/shots.html> )

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### **P.2.13 The Zaval Database Export Utility**

#### **Purpose of the tool**

The Zaval Database Export Utility is a light-weight, web-based client. It is designed for data export from any database without having to launch the database-specific administrative clients or tools.

#### **Current development status**

Version 1.1.1 released. 05/09/2002

#### **The platforms on which it works**

OS independent

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
Software Integrators	Central government
Expert Users	

#### **Location for download**

<http://www.zaval.org/products/db-export/>

#### **Requirements for training people using the tools**

Less than 1 hour for database expert users.

#### **Requirements to install and maintain the tool**

Binary packages are available.

#### **Available documentation**

[http://www.zaval.org/products/db-export/user\\_guide/index.html](http://www.zaval.org/products/db-export/user_guide/index.html)

#### **License**

The licenses is claimed to be GNU GPL.

## **P.3 Knowledge management**

### **P.3.1 Data Centric Knowledge Management System (KMS)**

#### **Purpose of the tool**

Data Centric Knowledge Management System (KMS) is a tool with a purpose to centralize knowledge generated by scientists working within and across functional areas, and to organize that knowledge such that it can be easily accessed, searched, browsed, navigated, and curated.

#### **Current development status**

Version 1.2 12/10/2003

#### **The platforms on which it works**

OS independent – Java application

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
Software Integrators	Central government
Expert Users	

#### **Location for download**

[http://www.3rdmill.com/open\\_source\\_documents/3rdMill\\_KMSsoftware.zip](http://www.3rdmill.com/open_source_documents/3rdMill_KMSsoftware.zip) (when registered)

#### **Requirements for training people using the tools**

The package is complex, and specifically targeted at medical and bioscience researchers. Training effort can be estimated at 12 hours for basic usage.

#### **Requirements to install and maintain the tool**

- An Oracle 8i or 9i instance
- The Ant build tool.
- Java J2SE SDK/JRE 1.4
- 128 MB RAM available on the client
- The sequence analysis engine requires a Unix server

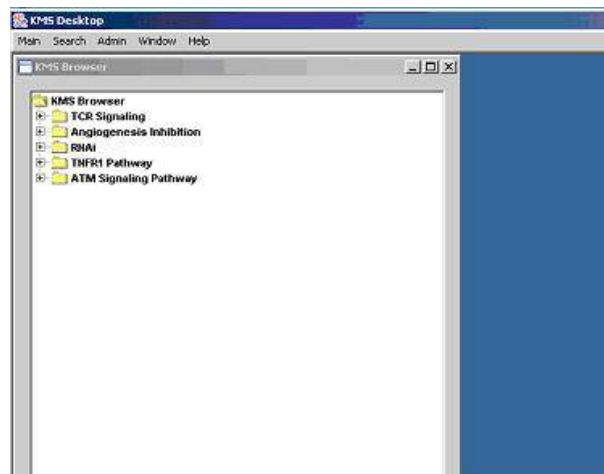
#### **Available documentation**

[http://www.3rdmill.com/open\\_source\\_documents/3rdmill\\_KMSdocumentation.zip](http://www.3rdmill.com/open_source_documents/3rdmill_KMSdocumentation.zip)

### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://www.3rdmill.com/initiatives/opensource.html> )



### **P.3.2 Protege 2000**

#### **Purpose of the tool**

Protege 2000 is a tool that allows the user to construct a domain ontologies to use in databases, customize data entry forms, and enter the data.

#### **Current development status**

Version 2.1.2Beta, 04/08/2004

#### **The platforms on which it works**

MS Windows (95/98/NT/2000), Linux, Solaris, AIX, HP-UX, Mac OS X/10.1

#### **Intended audience**

Users	Administration
Developers	Municipal authorities
	Provincial administration
	Central government
Expert Users	

#### **Location for download**

<http://protege.stanford.edu/whatis.html>

#### **Requirements for training people using the tools**

For users with knowledge of ontology creation and semantic web: 10 hours

#### **Requirements to install and maintain the tool**

Binary packages are available.

#### **Available documentation**

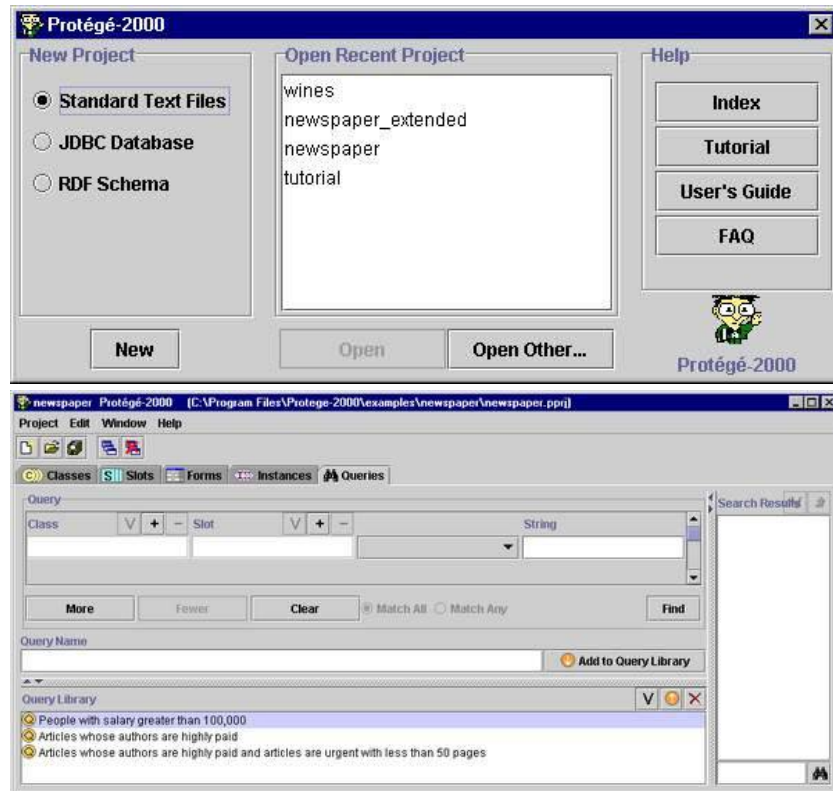
<http://protege.stanford.edu/useit.htm>

#### **License**

The licenses is claimed to be MPL.

(image source: <http://protege.stanford.edu/useit.html> )

Work Package 2, Deliverable 2.1 - *Catalogue of available Open Source tools for the PA*



## **Q CAD/CAM and Geographic Information Systems**

### **Q.1 CAD/CAM**

#### **Q.1.1 Dia**

##### **Purpose of the tool**

Dia is a CAD tool similar to the commercial Windows program 'Visio'. It can be used to draw many different kinds of diagrams. It currently has special objects to help draw entity relationship diagrams, UML diagrams, flowcharts, network diagrams, and simple circuits. It is also possible to add support for new shapes by writing simple XML files, using a subset of SVG to draw the shape.

##### **Current development status**

Version 0.93 Released 04/05/2004

##### **The platforms on which it works**

Windows 95/98/2000

##### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

##### *Location for download*

<http://www.gnome.org/projects/dia/>

##### **Requirements for training people using the tools**

Less than 1 hour

##### **Requirements to install and maintain the tool**

RPM packages are available. Many recent distributions include Dia with the base OS.

##### **Available documentation**

<http://www.gnome.org/projects/dia/docs.html>

##### **License**

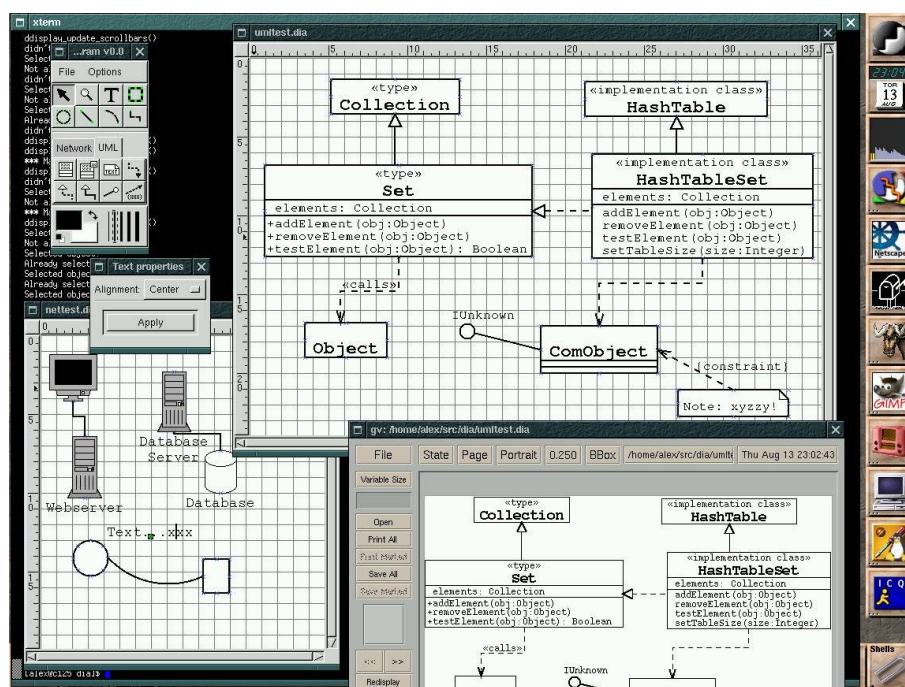
The licenses is claimed to be GNU GPL.

(image source: <http://www.gnome.org/projects/dia/scrshot.html> )

## Q.1.2 GISAR Project

### Purpose of the tool

GISAR project is 2D, 3D dynamic model of real objects (for example streets, roads, houses, telephones, clients, etc.) that may be used for development of functional and visual models of real system. It is geo-informational system (GIS) that provides actual state of data to a connected client for any time changes of model objects. At the present it used to automate working of telecommunication stations.



### Current development status

Version 0.111103 released 11/11/2003

### Platforms in which it works

Windows NT/98/2000/XP

### Intended audience

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

### **Location for download**

<http://gisar.sourceforge.net/ENG/Index.htm>

### **Requirements for training people using the tool**

Requires knowledge of GIS and SCADA systems.

### **Requirements to install and maintain the tool**

Binary packages are available.

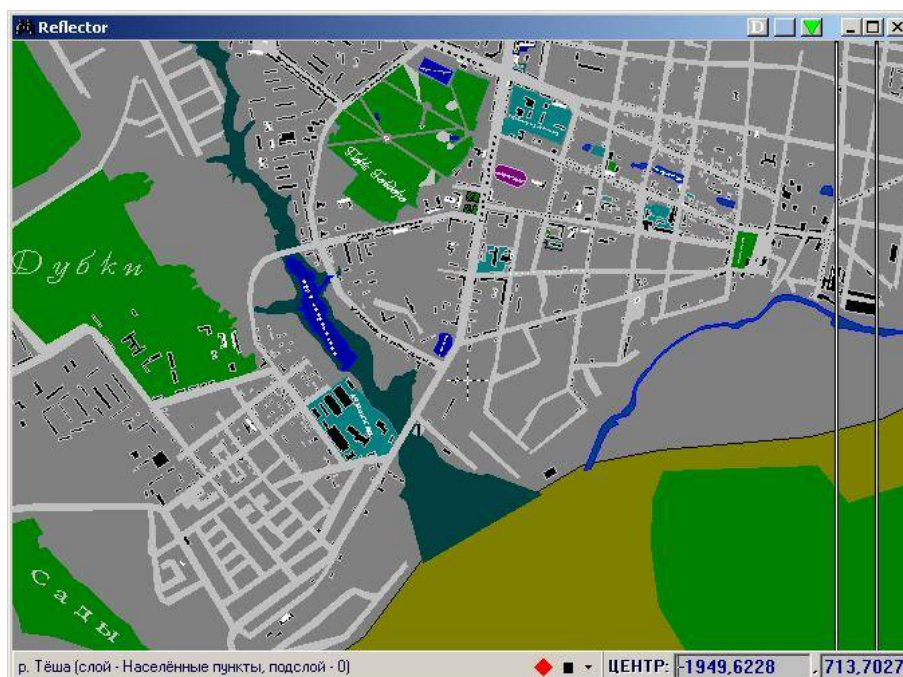
### **Available documentation**

<http://gisar.sourceforge.net/ENG/Using.htm>

### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://gisar.sourceforge.net/ENG/ScreenShotDescription.htm> )





## **Q.2 GIS and tools**

### **Q.2.1 GRASS**

#### ***Purpose of the tool***

GRASS (Geographic Resources Analysis Support System) is a raster/vector GIS, image processing system, and graphics production system. GRASS contains over 350 programs and tools to render maps and images on monitor and paper; manipulate raster, vector, and sites data, process multi-spectral image data, and create, manage, and store spatial data. It provides windows and command line syntax interface, and can interface with commercial printers, plotters, digitizers, and databases to develop new and manage existing data.

#### ***Current development status***

Version 5.7.0 released 17/06/2004

#### ***The platforms on which it works***

Linux/Intel, Linux/PowerPC, Solaris/SPARC, Solaris/i86, SGI IRIX, HP UX, Mac OS X (Darwin), IBM AIX, BSD-Unix variants, FreeBSD, CRAY Unicos, iPAQ/Linux handhelds and other UNIX compliant platforms (32/64bit), additionally Windows NT/Cygnus.

#### ***Intended audience***

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### ***Location for download***

<http://grass.itc.it>

#### ***Requirements for training people using the tools***

The package requires intimate knowledge of GIS concept and methods. GRASS can be used at a beginners level after 8 hours of training; 24 hours for more sophisticated use.

#### ***Requirements to install and maintain the tool***

Binaries are available for all the supported platforms.

#### ***Available documentation***

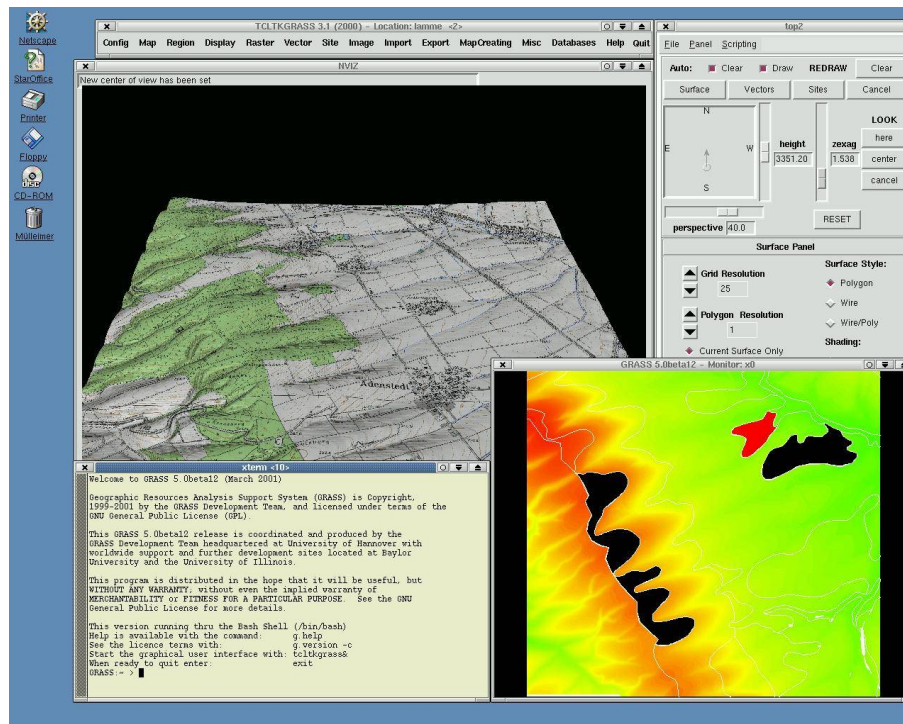
<http://grass.itc.it/gdp/online.html>

#### ***License***

The licenses is claimed to be GNU GPL.

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(image source: <http://grass.itc.it/links.html> )



### **Q.2.2 IVICS**

#### **Purpose of the tool**

IVICS is a visualization tool that facilitates selection of training samples from satellite images. It is also a general purpose visualization system that supports several common satellite and remote sensing data formats. It is commonly used as a conversion tool to facilitate further processing or for printing. It supports AVHRR LAC/GAC (up to NOAA-14) MODIS Airborne Sensor (MAS) - 50 channel variety VIRS MODIS 1KM (DAAC processed 39 channel, DAAC processed subsetted 19 channel, Direct Broadcast).

#### **Current development status**

Version 1.2 released 01/02/2004

#### **The platforms on which it works**

POSIX and Windows

*Location for download*

<http://vortex.nsstc.uah.edu/ivics/>

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### **Requirements for training people using the tools**

The package is quite specialized in its functionality, and needs knowledge of GIS and image registration concepts. Given that knowledge, the training time is estimated in 18 hours.

#### **Requirements to install and maintain the tool**

Package is available in binary format; it does require working OpenGL and Motif libraries.

#### **Available documentation**

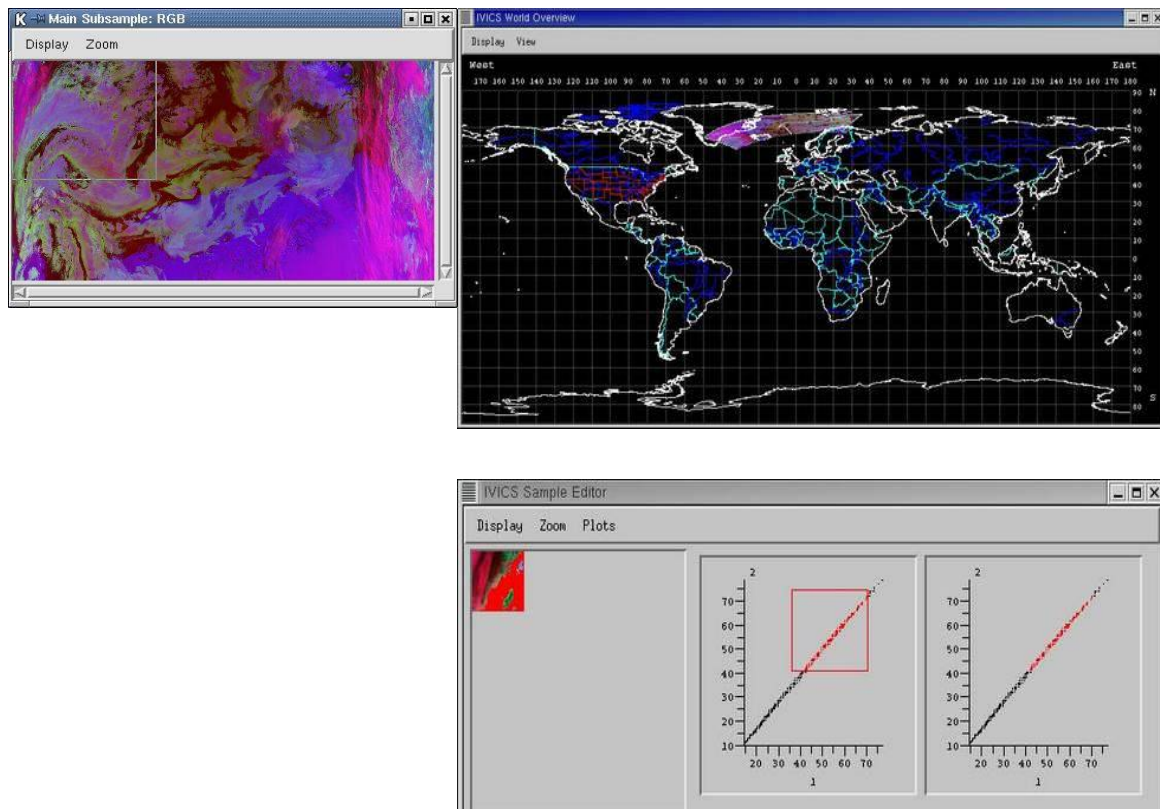
[http://vortex.nsstc.uah.edu/ivics/ivics\\_tutorial.html](http://vortex.nsstc.uah.edu/ivics/ivics_tutorial.html)

#### **License**

The licenses is claimed to be GNU GPL.

(image source: [http://vortex.nsstc.uah.edu/ivics/ivics\\_tutorial.html](http://vortex.nsstc.uah.edu/ivics/ivics_tutorial.html) )

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### **Q.2.3 Kivio**

#### **Purpose of the tool**

Kivio is a flow charting and diagramming application for the Koffice application suite, and has an user interface that is similar to Visio. It is fully integrated into KOffice and can for example be embedded into Kword. For additional details, please refer to Koffice package information.

#### **Current development status**

Version 1.3.2 08/07/2004

#### **The platforms on which it works**

Linux with KDE environment

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

*Location for download*

<http://www.koffice.org/kivio/>

#### **Requirements for training people using the tools**

It is easy to use.

#### **Requirements to install and maintain the tool**

As KDE and Koffice are usually available in simple-to-install packages, the maintenance requirements are minimal.

#### **Available documentation**

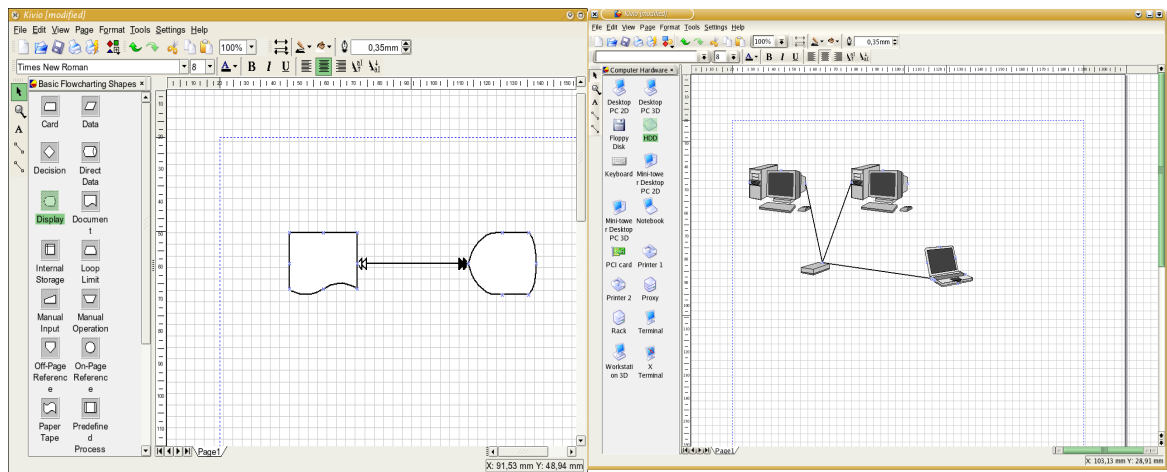
<http://docs.kde.org/en/HEAD/koffice/kivio/>

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://www.koffice.org/kivio/screenshots.php> )

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### **Q.2.4 Mapeditor**

#### **Purpose of the tool**

MapEditor allows users to load tracks generated by NavSys and use these tracks to create street maps of any area.

#### **Current development status**

Version 0.05 released 29/06/2004

#### **The platforms on which it works**

POSIX

#### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

#### *Location for download*

<http://www.navsys.org/mapeditor/>

#### **Requirements for training people using the tools**

Less than one hour.

#### **Requirements to install and maintain the tool**

Available only in source code form, requires compilation.

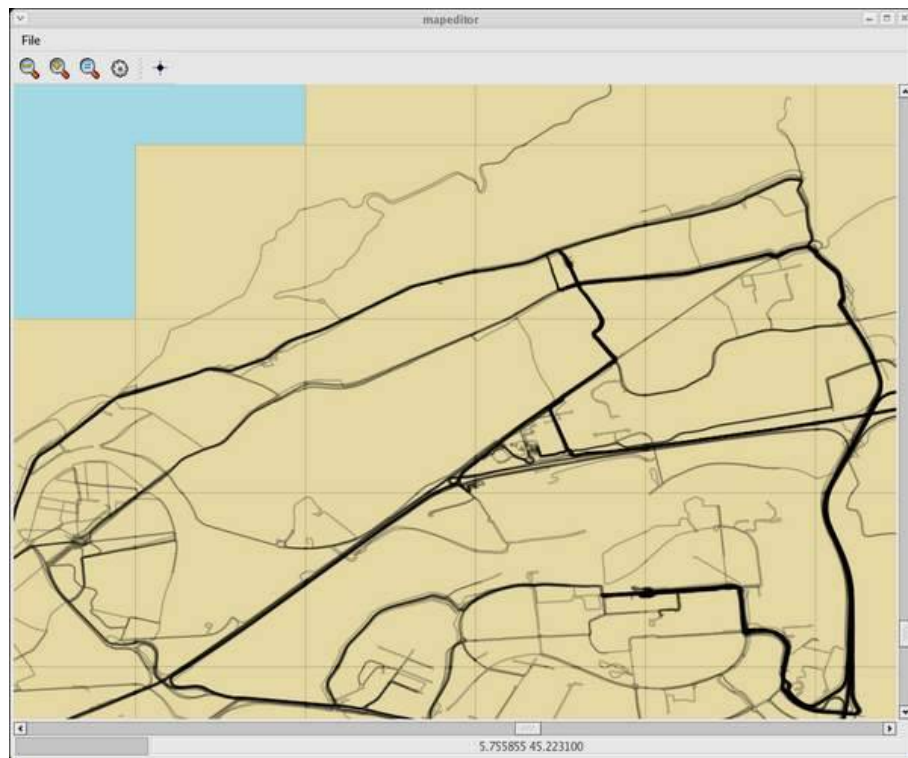
#### *Available documentation*

<http://www.mythological.com/download/DB2ACK/Docs/mapeditor.htm>

#### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://www.navsys.org/mapeditor/> )





### Q.2.5 POPulation MAPper

### ***Purpose of the tool***

POPulation MAPper is an utility application that creates population maps. Popmap reads from a configuration file the data on the different sites, and the weight of a certain type of population for each site. Then it retrieves the best map for the set of sites from mapblast and draws dots in the given sites coordinates proportional to the weight of the population.

### **Current development status**

Version 1.1 released 16/08/2002

### ***The platforms on which it works***

# POSIX

*Location for download*

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

### ***Requirements for training people using the tools***

The configuration file format is simple, and can be handled in less than 1 hour.

## Requirements to install and maintain the tool

Requires source code compilation.

### Available documentation

<http://popmap.sourceforge.net/docs/README>

## License

The licenses is claimed to be GNU GPL.

(image source: )



## **Q.2.6 Qgis**

### **Purpose of the tool**

Quantum GIS (QGIS) is a Geographic Information System (GIS) built for Linux/Unix. QGIS supports vector, raster, and database formats.

### **Current development status**

Version 0.4 released 02/07/2004

### **The platforms on which it works**

Windows/MacOS/POSIX

### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

### **Location for download**

<http://qgis.org/>

### **Requirements for training people using the tools**

2 hours.

### **Requirements to install and maintain the tool**

RPM packages are available.

*Available documentation*

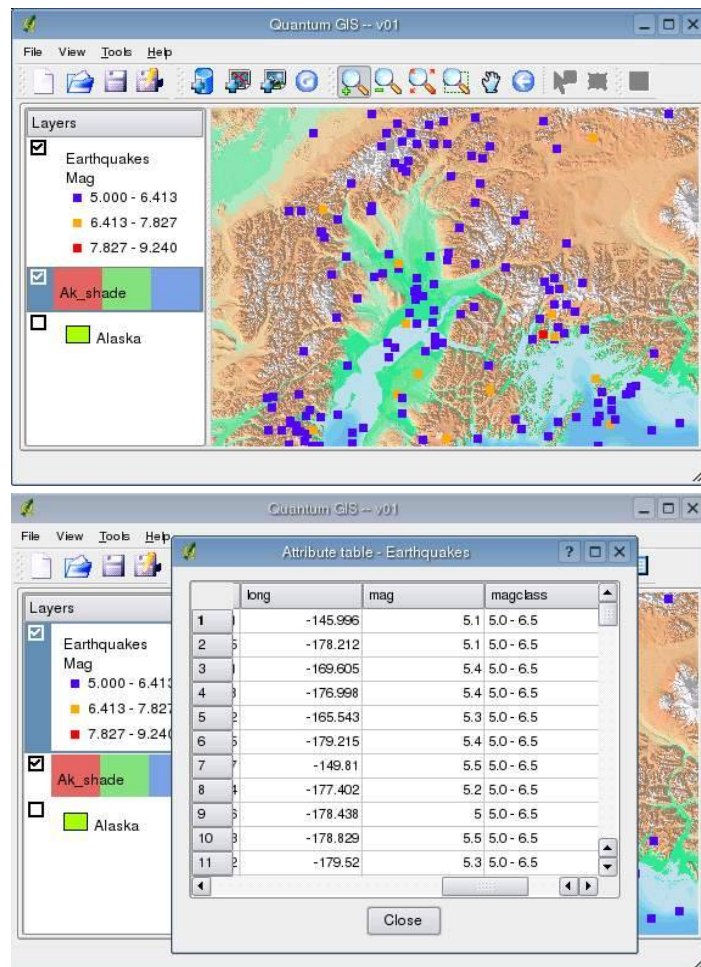
<http://qgis.org/docs/userguide.html>

### **License**

The licenses is claimed to be GNU GPL.

(image source: <http://qgis.org/screenshots.html> )

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## **Q.2.7 TerraView**

### **Purpose of the tool**

TerraView is an application built over TerraLib GIS library. It is a geographic data viewer with resources that include database queries as well as data analysis. TerraView handles vector data (polygons, lines, points) and raster data (grids and images), both of them stored in a SGBD relational or geo-relational database, including ACCESS, PostgreSQL, MySQL and Oracle Spatial.

### **Current development status**

Version 3.0 released 17/05/2004

### **The platforms on which it works**

Windows, POSIX

### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

### *Location for download*

<http://www.dpi.inpe.br/terraview/english/index.html>

### **Requirements for training people using the tools**

4 hours for basic usage.

### **Requirements to install and maintain the tool**

Binary packages are available.

### *Available documentation*

[http://www.dpi.inpe.br/terraview/english/Tutorial\\_TVView/index\\_TVView.htm](http://www.dpi.inpe.br/terraview/english/Tutorial_TVView/index_TVView.htm) (in Portuguese)

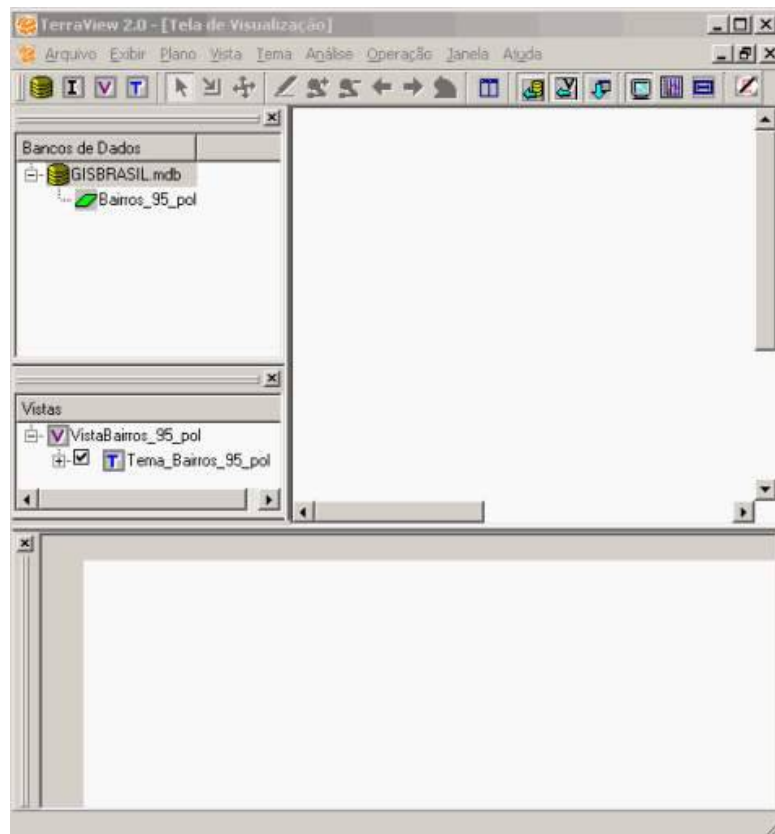
### **License**

The licenses is claimed to be GNU GPL.

(image

source:

[http://www.dpi.inpe.br/terraview/english/Tutorial\\_TVView/index\\_TVView.htm](http://www.dpi.inpe.br/terraview/english/Tutorial_TVView/index_TVView.htm) )



## **Q.2.8TerraVision TM**

### **Purpose of the tool**

TerraVisionTM is an interactive terrain visualization system. It allows users to navigate, in real time, through a 3-D graphical representation of a real landscape created from elevation data and aerial images of that landscape. It can retrieve and merge massive volumes(TB in size) of data, remotely located or distributed over multiple servers across the Web, that includes aerial and satellite imagery, topography, weather data, buildings, and other cultural features.

### **Current development status**

Version 6.0 released 29/11/2002

### **The platforms on which it works**

Windows, SGI, Linux

### **Intended audience**

Users	Administration
	Municipal authorities
	Provincial administration
	Central government
Expert Users	
End Users	

### *Location for download*

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

### **Requirements for training people using the tools**

4 hours for basic usage.

### **Requirements to install and maintain the tool**

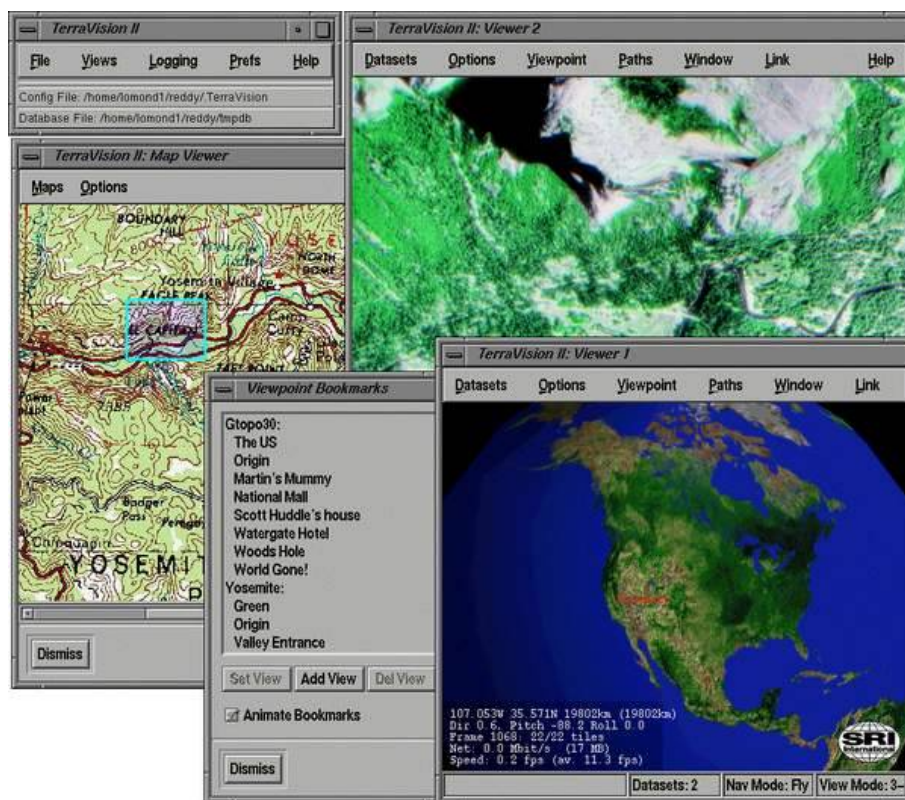
Binary packages for Windows are available.

### *Available documentation*

[http://www.tvgeo.com/user\\_guide/welcome.shtml](http://www.tvgeo.com/user_guide/welcome.shtml)

### **License**

The licenses is claimed to be MPL (for details, <http://www.tvgeo.com/license.shtml> )  
(image source: <http://www.tvgeo.com/screenshots/all.shtml> )



## Appendix A - Abbreviations

<i>Partner</i>	<i>Acronym</i>	<i>Partner</i>	<i>Acronym</i>
Free University of Bolzano-Bozen	<b>FUB</b>	SOCITM	<b>SOC</b>
Consorzio dei Comuni AA	<b>SGV</b>	University of Limerick	<b>UL</b>
Conecta	<b>CO</b>	Beaumont Hospital	<b>BH</b>
MTA	<b>MTA</b>	IBM Belgium	<b>IBM</b>
Torokbalint City Council	<b>TO</b>	South-West Regional Authority	<b>SWRA</b>
Aalborg Univ	<b>AAU</b>	Provincia di Pisa	<b>PP</b>
Hanstholm Kommune	<b>HK</b>	Provincia di Genova	<b>PROGE</b>
University of Sheffield	<b>USFD</b>		



## **Appendix B - Glossary**

### **Closed-source Software**

Closed-source software is software which source cannot be inspected or modified by other parties without negotiations with the holder of economical exploitation rights. Closed-source may be freely available for use (e.g., free-ware software: you can use it, but source is not available).

### **Copyright**

Copyright is the right of an author of “exclusive privilege to reproduce, distribute, perform, or display their creative works” (from [encarta.msn.com](http://encarta.msn.com)).

### **Free Software**

Free software of the “free speech” type is sometimes called “software libre”, from the French “logiciel libre” and the Spanish “software libre”. In fact, in many languages there isn’t this conflict between free as in freedom and free as in “free beer”: “libre” translates to “free” in the sense of “freedom”. Free software of the other type is called “gratis”, which translates to the “free” of “free beer”.

“Free software is a matter of the users’ freedom to run, copy, distribute, study, change and improve the software. More precisely, it refers to four kinds of freedom, for the users of the software:

- The freedom to run the program, for any Purpose (freedom 0).
- The freedom to study how the program works, and adapt it to your needs (freedom 1). Access to the source code is a precondition for this.
- The freedom to redistribute copies so you can help your neighbor (freedom 2).
- The freedom to improve the program, and release your improvements to the public, so that the whole community benefits (freedom 3). Access to the source code is a precondition for this.

A program is free software if users have all of these freedoms. Thus, you should be free to redistribute copies, either with or without modifications, either gratis or charging a fee for distribution, to anyone anywhere. Being free to do these things means (among other things) that you do not have to ask or pay for permission.

You should also have the freedom to make modifications and use them privately in your own work or play, without even mentioning that they exist. If you do publish your changes, you should not be required to notify anyone in particular, or in any particular way.” (from [wikipedia.com](http://wikipedia.com) – quoting text in the [fsf.org](http://fsf.org))

### **Open Source**

The Open Source movement, which is philosophically distinct from the free software movement, was created by a group of people, notably Eric S. Raymond and Bruce Perens, who formed the Open Source Initiative (OSI). They sought: (1) to bring a higher profile to the practical benefits of sharing software source code, and (2) to interest major software

houses and other high-tech industry companies in the concept.

These advocates see the term open source as avoiding the ambiguity of the English word “free” in free software. Many people recognize a qualitative benefit to the software development process when a program’s source code can be used, modified and redistributed by developers.

In all cases, licenses which qualify as free software licenses also qualify as open source licenses. However, the reverse is a different matter since the Open Source Definition (OSD) does not explicitly and unambiguously state a requirement that open source licenses grant people the right to copy their software. (from wikipedia.com)

## Appendix C - Detailed catalogue of Open Source tools

In this section we present the tools available, organized according to the categorisation presented in Chapter 1. This list can be used as a quick reference for all the tools listed in the catalogue.

<i>Package</i>	<i>Description</i>	<i>Download location</i>
A Administrative Workflow and Workload management		
A.1 Office suites		
Koffice	KOffice is an office suite for KDE, the K Desktop Environment.	<a href="http://www.koffice.org/">http://www.koffice.org/</a>
OOviewer	A Java based application capable of viewing files created in OpenOffice.org Writer, OpenOffice.org Impress, OpenOffice.org Calc.	<a href="http://os.up.edu.ph/modules.php?name=Downloads&amp;do=op=gitit&amp;lid=27">http://os.up.edu.ph/modules.php?name=Downloads&amp;do=op=gitit&amp;lid=27</a>
Open Office	OpenOffice.org is an integrated productivity suite.	<a href="http://download.openoffice.org/1.1.2/index.html">http://download.openoffice.org/1.1.2/index.html</a>
A.2 Desktop environment		
Gnome	GNOME is desktop for end-users. It includes GNOME development platform, an framework for building applications that integrate into the rest of the desktop.	<a href="http://www.gnome.org">http://www.gnome.org</a>
Jd4x	JD4X is a system to manage the native desktop system and JVM's that run on the JD4X desktop.	<a href="http://jdx.sourceforge.net/">http://jdx.sourceforge.net/</a>
KDE	KDE is a desktop environment.	<a href="http://www.kde.org">http://www.kde.org</a>
Cooperative Linux	Cooperative Linux is an open source method for running Linux on Microsoft Windows natively.	<a href="http://www.colinux.org/">http://www.colinux.org/</a>
Dosemu	DOSEMU is an acronym for DOS Emulation. It is a linux application that allow the Linux OS to run many DOS programs.	<a href="http://www.dosemu.org/">http://www.dosemu.org/</a>
Hercules	Hercules is an open source software implementation of the mainframe System/370 and ESA/390 architectures, in addition to the new 64-bit z/Architecture.	<a href="http://www.conmicro.cx/hercules">http://www.conmicro.cx/hercules</a>
Qemu	QEMU is a processor	<a href="http://fabrice.bellard.free.fr/qemu/">http://fabrice.bellard.free.fr/qemu/</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
	emulator.	
Simh	A VAX architecture emulator, used for maintaining legacy system and moving them to new hardware architectures.	<a href="http://simh.trailing-edge.com/">http://simh.trailing-edge.com/</a>
Wine	Wine is the open source alternative for the Windows API on top of X and Unix.	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
Data-Workshop	DataWorkshop is an editor to view and modify binary data.	<a href="http://www.dataworkshop.de/">http://www.dataworkshop.de/</a>
Fontilus	Fontilus is an application that directs fonts on the system and are extensions for Nautilus.	<a href="http://ftp.gnome.org/pub/GNOME/sources/fontilus/">http://ftp.gnome.org/pub/GNOME/sources/fontilus/</a>
Gclipper	GClipper is a clipboard that automatically gets new selections and preserve them in a history.	<a href="http://freshmeat.net/projects/gclipper/">http://freshmeat.net/projects/gclipper/</a>
GNOME Clipboard Deamon	The GNOME Clipboard Manager Applet is a Panel applet for controlling the GNOME Clipboard Manager daemon from the GNOME 2 Panel.	<a href="http://members.chello.nl/~h.lai/gnome-clipboard-daemon/">http://members.chello.nl/~h.lai/gnome-clipboard-daemon/</a>
Gnome Multires	Gnome Multires is an applet for the Gnome 2 panel.	<a href="http://multires.sourceforge.net/">http://multires.sourceforge.net/</a>
K3b	K3b is an application for CD and DVD burning.	<a href="http://k3b.plainblack.com/index.pl/download">http://k3b.plainblack.com/index.pl/download</a>
KFontinst	KFontinst is a KDE installer for TrueType and Type1 .	<a href="http://www.cpdummond.uklinux.net/kfontinst/">http://www.cpdummond.uklinux.net/kfontinst/</a>
Kpreg	Kpreg is an application for completing web forms and programs.	<a href="http://kpreg.codigolivres.org.br/">http://kpreg.codigolivres.org.br/</a>
Kpopup	KPopup is a Graphic User Interface .	<a href="http://www.henschelsoft.de/kpopup_download_en.html">http://www.henschelsoft.de/kpopup_download_en.html</a>
Krename	Krename is a batch file renamer for KDE3.	<a href="http://www.krename.net/Download.3.0.html">http://www.krename.net/Download.3.0.html</a>
Luminance Panel	The Luminance Panel is a small panel application written in GTK 2.	<a href="http://sourceforge.net/project/showfiles.php?group_id=54234">http://sourceforge.net/project/showfiles.php?group_id=54234</a>
Mount ISO Image	Mount ISO Image is a script that allows the performance of multiple operations with ISO, NRG (Nero Burning ROM), UDF (DVD), CUE/BIN, CCD/IMG/SUB (CloneCD), XDVFDS (XBOX) images.	<a href="http://www.jinjiru.ru/project/linux.php">http://www.jinjiru.ru/project/linux.php</a>
Screen Sniper	Screen Sniper is a graphical front-end to the import program, which takes	<a href="http://jodrell.net/projects/sniper">http://jodrell.net/projects/sniper</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
	screenshots on X Windows. It's designed to provide an easy-to-use interface, with similar features to the ScreenShooter GNOME panel applet.	
TopicDocs	TopicDocs enables a non-invasive approach to reference documents on the desktop or LAN, or URL's.	<a href="https://topicdocs.dev.java.net/">https://topicdocs.dev.java.net/</a>
The KDE URL Link Launcher	The KDE URL Link Launcher enables starting Microsoft Windows URL shortcuts.	<a href="http://freshmeat.net/projects/kurllaunch/">http://freshmeat.net/projects/kurllaunch/</a>
Wbumount	Wbumount assists to figure out, which processes block unmounting or ejecting devices (such as cdroms, usb-harddisks...).	<a href="http://www.scheinwelt.at/~norbertf/wbumount/">http://www.scheinwelt.at/~norbertf/wbumount/</a>
Xnee	Xnee is a suite of programs that can record, replay and distribute user actions under the X11 environment.	<a href="http://www.gnu.org/software/xnee/www/">http://www.gnu.org/software/xnee/www/</a>
<b>A.4 Administration</b>		
Amanda	Amanda, the Advanced Maryland Automatic Network Disk Archiver, is a backup system that allows the administrator of a LAN to set up a single master backup server to back up multiple hosts to a single large capacity tape drive.	<a href="http://www.amanda.org/">http://www.amanda.org/</a>
BackupPC	BackupPC is a configurable system for backing up Linux and WinXX PCs and laptops to a server's disk.	<a href="http://backuppc.sourceforge.net/">http://backuppc.sourceforge.net/</a>
BIE	BIE (Business Integration Engine) is a full-featured EAI server which allows companies to integrate disparate systems, create and manage agile business processes, and implement service oriented architectures.	<a href="http://www.brunswickwdi.com/bie/">http://www.brunswickwdi.com/bie/</a>
Conary	Conary is a distributed software management system for Linux distributions.	<a href="http://freshmeat.net/projects/conary/?branch_id=52115&amp;release_id=168319">http://freshmeat.net/projects/conary/?branch_id=52115&amp;release_id=168319</a>
Current	Current is an open source implementation of a server to interact with the up2date agent shipped in Red Hat Linux.	<a href="http://current.tigris.org/">http://current.tigris.org/</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
DIBS	DIBS is a distributed archival and retrieval system, that distributes files across peers in a totally encrypted and secure way.	<a href="http://www.csua.berkeley.edu/~emin/source_code/dibs/">http://www.csua.berkeley.edu/~emin/source_code/dibs/</a>
Directory adm	Directory administrator is a LDAP directory management tool.	<a href="http://diradmin.open-it.org/index.php">http://diradmin.open-it.org/index.php</a>
G4u	g4u ("ghost for unix") is a NetBSD-based boot floppy/CD-ROM that allows easy cloning of PC hard disks to deploy a common setup on a number of PCs using FTP.	<a href="http://www.feyrer.de/g4u/">http://www.feyrer.de/g4u/</a>
The GNOME System tools	The GNOME System Tools are a set of cross-platform configuration utilities for Linux and other Unix systems.	<a href="http://www.gnome.org/projects/gst/download.html">http://www.gnome.org/projects/gst/download.html</a>
KDE Disk Archiver	KDE Disk archiver is a disk-based archiving and backup utility.	<a href="http://kdar.sourceforge.net/">http://kdar.sourceforge.net/</a>
Nagios	Nagios is a host and service monitor that informs the system administrator about the network problems before the end-users or managers do.	<a href="http://www.nagios.org/">http://www.nagios.org/</a>
OpenIPMI	OpenIPMI is a fully-functional intelligent platform management interface (IPMI) that allows full access to all IPMI information on a server and abstracts it to a easy to use level.	<a href="http://sourceforge.net/projects/openipmi/">http://sourceforge.net/projects/openipmi/</a>
Opennms	OpenNMS is a software system that provides a network management solution for three main functional areas:	<a href="http://www.opennms.org/wiki/tiki-index.php">http://www.opennms.org/wiki/tiki-index.php</a>
Openpkg	OpenPKG is the instrument for deployment and maintenance of Open Source software, when administration crosses Unix platform boundaries.	<a href="http://www.openpkg.org/download.html">http://www.openpkg.org/download.html</a>
Open Carpet	Open Carpet is a project that aims to provide tools to easily set up and maintain a Red Carpet software repository.	<a href="http://open-carpet.org/">http://open-carpet.org/</a>
OpenLDAP	The OpenLDAP Project is a robust LDAP suite of applications and development tools.	<a href="http://www.openldap.org/software/download/">http://www.openldap.org/software/download/</a>
Partition Image	Partition Image is a	<a href="http://www.partimage.org/">http://www.partimage.org/</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
	Linux/UNIX utility that saves partitions in various formats to an image file.	
PhpLDAP-admin	phpLDAPAdmin is a web-based LDAP client.	<a href="http://phpldapadmin.sourceforge.net/download.php">http://phpldapadmin.sourceforge.net/download.php</a>
SFS	SFS is a secure, global network file system with decentralized control.	<a href="http://www.fs.net/sfswww/">http://www.fs.net/sfswww/</a>
Synaptic	Synaptic (previously known as raptor) is a graphical package management program for apt.	<a href="http://www.nongnu.org/synaptic/">http://www.nongnu.org/synaptic/</a>
Sync4j project	The Sync4j Project is a mobile application development platform implementing the SyncML protocol.	<a href="http://sync4j.funambol.com/main.jsp?main=download">http://sync4j.funambol.com/main.jsp?main=download</a>
<b>A.6 Miscellaneous</b>		
oooBarcode	oooBarcode is an OpenOffice.org macro to insert barcodes.	<a href="http://www.jdisoftware.co.uk/pages/obc-home.php">http://www.jdisoftware.co.uk/pages/obc-home.php</a>
<b>A.7 Text processors and publishing tools</b>		
Conglomerate	Conglomerate is a XML editor, for DocBook and other document types.	<a href="http://www.conglomerate.org/download.html">http://www.conglomerate.org/download.html</a>
ExtendedPDF	ExtendedPDF is an OpenOffice.org macro that produces PDF with bookmarks, hyperlinks and document meta-data.	<a href="http://www.jdisoftware.co.uk/pages/epdf-download.php">http://www.jdisoftware.co.uk/pages/epdf-download.php</a>
Gjots	gjots assemble and organizes text notes in a hierarchical way.	<a href="http://bhepple.freeshell.org/gjots/">http://bhepple.freeshell.org/gjots/</a>
Gpdf	GPdf is a PDF viewer for GNOME, based on Xpdf.	<a href="http://www.inf.tu-dresden.de/~mk793652/gpdf/">http://www.inf.tu-dresden.de/~mk793652/gpdf/</a>
Jasperreports	JasperReports is a Java reporting instrument that has the ability to deliver rich content onto the screen, to the printer or into PDF, HTML, XLS, CSV and XML files.	<a href="http://jasperreports.sourceforge.net/">http://jasperreports.sourceforge.net/</a>
Kugar	Kugar is a KDE tool for producing business reports that can be viewed and printed.	<a href="http://www.koffice.org/kugar/">http://www.koffice.org/kugar/</a>
Newdocms	newdocms is a document management system that allows users to define any number of document attributes, and then run queries on the database where these are registered.	<a href="http://freshmeat.net/projects/newdocms/">http://freshmeat.net/projects/newdocms/</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
Scribus	Scribus is a desktop page layout program.	<a href="http://www.scribus.net/">http://www.scribus.net/</a>
<b>A.8 Translation tools</b>		
Ooxlate	OOxlate is a Computer-Aided-Translation (CAT) package for the free OpenOffice.org office suite.	<a href="http://translatewrite.com/ooxlate.html">http://translatewrite.com/ooxlate.html</a>
<b>A.9 Spreadsheets</b>		
Gnumeric	Gnumeric is a spreadsheet application using GNOME.	<a href="http://www.gnome.org/projects/gnumeric/">http://www.gnome.org/projects/gnumeric/</a>
<b>A.10 Personal or project assistants</b>		
J-pilot	J-Pilot is a desktop organizer application for PalmOS devices.	<a href="http://www.jpilot.org">http://www.jpilot.org</a>
Kpilot	KPilot is an attempt to replace 3Com's Windows based hot sync software for the Palm Pilot. I	<a href="http://www.slac.com/pilone/kpilot_home/">http://www.slac.com/pilone/kpilot_home/</a>
Korganizer	KOrganizer is the KDE PIM/Calendar/Scheduling tool.	<a href="http://korganizer.org/">http://korganizer.org/</a>
Open-workbench	Workbench is a project management and scheduling tool.	<a href="http://www.openworkbench.org/modules.php?name=Downloads">http://www.openworkbench.org/modules.php?name=Downloads</a>
Planner	Planner is a tool for planning, scheduling and tracking projects.	<a href="http://imendio.com/projects/planner/">http://imendio.com/projects/planner/</a>
The Sunbird project	The Sunbird Project is a redesign of the Mozilla Calendar. It is an Ical compliant calendar module.	<a href="http://www.mozilla.org/projects/calendar/sunbird.html">http://www.mozilla.org/projects/calendar/sunbird.html</a>
The OSWorkflow Designer	The OSWorkflow Designer is a Swing based GUI application to edit and manage workflows.	<a href="http://www.opensymphony.com/osworkflow/designer">http://www.opensymphony.com/osworkflow/designer</a>
<b>A11. Development tools and libraries</b>		
Anjuta	Ajunta is an IDE for GNOME. It includes customizable editor, and usual IDE editor facilities like automatic syntax highlighting, call-tips for Linux/GNOME function prototypes.	<a href="http://www.anjuta.org/anjuta.php?page=downloads">http://www.anjuta.org/anjuta.php?page=downloads</a>
The Active BPEL	The ActiveBPEL is a runtime environment that executes process definitions created to the Business Process Execution Language for Web Services (BPEL4WS, or just BPEL) 1.1 specifications.	<a href="http://www.activebpel.org/download/index.html">http://www.activebpel.org/download/index.html</a>
DRT	DRT is a design recovery tool	<a href="http://cgi.cse.unsw.edu.au/~drt/cgi-bin/index.php">http://cgi.cse.unsw.edu.au/~drt/cgi-bin/index.php</a>



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<b>Package</b>	<b>Description</b>	<b>Download location</b>
	for interactive graphical applications running under the X Window System.	
Eclipse	Eclipse is a platform for the development of highly integrated tools. It provides environment for Java, C,C++, and other programming languages.	<a href="http://www.eclipse.org">http://www.eclipse.org</a>
Foxserv	FoxServ is an Apache/MySQL/PHP installer package for Windows and Linux.	<a href="http://www.foxserv.net">http://www.foxserv.net</a>
GNUstep	GNUstep provides an object-oriented application framework and tool set for use on a wide variety of computer platforms.	<a href="http://www.gnustep.org/resources/sources.html">http://www.gnustep.org/resources/sources.html</a>
Guinstaller	Guinstaller simplifies the process of installing and uninstalling Linux source code.	<a href="http://www.hsdm.com/usr/guinstaller/">http://www.hsdm.com/usr/guinstaller/</a>
Kdevelop	KDevelop is an integrated development environment for creation and development of GNU Standard Applications.	<a href="http://www.kde.org/info/3.2.3.php">http://www.kde.org/info/3.2.3.php</a>
Libmspack	The purpose of libmspack is to provide both compression and decompression of some loosely related file formats used by Microsoft. T	<a href="http://www.kyz.uklinux.net/libmspack/">http://www.kyz.uklinux.net/libmspack/</a>
Mono	Mono is an open source development platform (IDE, debugger, and documentation browser) based on the .	<a href="http://www.mono-project.com/about/index.html">http://www.mono-project.com/about/index.html</a>
Software suspend	Software suspend is the package that saves the contents of memory to disk and powers down, similar to the Windows' hibernate functionality.	<a href="http://softwaresuspend.berlios.de/">http://softwaresuspend.berlios.de/</a>
Umbrello UML	Umbrello UML Modeller is a Unified Modelling Language diagram programme for KDE. It allows creation of diagrams for software, like deployment and component diagrams, and other systems in a standard format.	<a href="http://uml.sourceforge.net/index.php">http://uml.sourceforge.net/index.php</a>
xHarbour	xHarbour is backward compatible xBase superset language compiler and Pre-Processor. xBase superset	<a href="http://www.xharbour.org/">http://www.xharbour.org/</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
	language, often referred to as Clipper, is the language that is implemented by the compiler CA-Clipper. It is used to port existing xBase applications under linux.	
<b>B. Communication and management of public sector documents</b>		
<b>B.2 E-mail, groupware and instant messaging clients</b>		
Evolution	Evolution is the mailer, calendar, contact manager, and communications application for the GNOME desktop environment.	<a href="http://www.novell.com/products/evolution/">http://www.novell.com/products/evolution/</a>
Gaim	Gaim is a multi-protocol instant messaging (IM) client.	<a href="http://gaim.sourceforge.net/">http://gaim.sourceforge.net/</a>
Gnome-Meeting	GnomeMeeting is an H.323 compatible videoconferencing and VOIP/IP-Telephony application that allows audio and video calls to remote users with H.323 hardware or software (such as Microsoft Netmeeting).	<a href="http://www.gnomemeeting.org/index.php?rub=5">http://www.gnomemeeting.org/index.php?rub=5</a>
Gossip	Gossip is an instant messaging client for the GNOME environment.	<a href="http://www.imendio.com/projects/gossip/">http://www.imendio.com/projects/gossip/</a>
Haystack	Haystack is designed to enable developers to build Semantic Web applications for end users, incorporating both code for processing RDF, ontologies/schemas, and user interface components.	<a href="http://haystack.lcs.mit.edu/">http://haystack.lcs.mit.edu/</a>
Infusion	Infusion is a cross-platform communications environment and is designed to work with the Citadel/UX Communications Server. Infusion provides enterprise environments with a communication and collaboration tool, which is similar to the currently most used tool among office users.	<a href="http://www.shadowcom.net/Software/infusion/download.html">http://www.shadowcom.net/Software/infusion/download.html</a>
Kopete	Kopete is a multiple protocol instant messaging system and designed as a plugin-based system.	<a href="http://kopete.kde.org/">http://kopete.kde.org/</a>
Lookout97	lookout97 is a Python script, translating address book export files generated by Microsoft Outlook 97 into	<a href="http://www.catb.org/~esr/lookout/">http://www.catb.org/~esr/lookout/</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
	either the KDE browser address book format or the GNOME gnome-card address book format (Vcard subset).	
OpenC6	OpenC6 is a free C6 instant messaging client and implements the c6 protocol used in italian network.	<a href="http://www.kde-apps.org/content/show.php?content=13695">http://www.kde-apps.org/content/show.php?content=13695</a>
Phonégaim	GAIM instant messenger with support to SIP Voice over IP. PhoneGaim combines the SIP (Session Initiation Protocol) technology used for establishing simple two-way telephone calls over the Internet with Gaim, an instant messaging client that bridges many different IM services (e.g.	<a href="http://www.phonegaim.com/download.html">http://www.phonegaim.com/download.html</a>
Silky	Silky is a secure chat client using the SILC protocol.	<a href="http://silky.sourceforge.net/">http://silky.sourceforge.net/</a>
Sylpheed	Sylpheed is an e-mail client.	<a href="http://sylpheed.good-day.net/">http://sylpheed.good-day.net/</a>
Thunderbird	An e-mail client.	<a href="http://www.mozilla.org/products/thunderbird/">http://www.mozilla.org/products/thunderbird/</a>
<b>B.4 Printing and faxing</b>		
Gfax	Gfax is a fax application for Gnome desktop environment.	<a href="http://gfx.cowlug.org/">http://gfx.cowlug.org/</a>
KSendFax	KSendFax is an interface to FAX-Packages, for example HylaFax, E-Fax or mgetty+sendfax for sending facsimiles.	<a href="http://ksendfax.sourceforge.net/">http://ksendfax.sourceforge.net/</a>
KUPS	KUPS is a Graphical User Interface for the CUPS (the Common UNIX Printing System).	<a href="http://cups.sourceforge.net/kups/news.htm">http://cups.sourceforge.net/kups/news.htm</a>
Mapagi	Mapagi is a pagination utility that prints images and comics in 'in folio' format.	<a href="http://members.ferrara.linux.it/calicant/mapagi/">http://members.ferrara.linux.it/calicant/mapagi/</a>
<b>B.6 Hypermedia</b>		
AccessGrid	The Access Grid is multi tool with multimedia displays, interactive environments and presentation, and interfaces to Grid middleware and to visualization environments.	<a href="http://www.accessgrid.org/index.html">http://www.accessgrid.org/index.html</a>
CMU sphinx	CMU sphinx is a speaker independent speech recognition code-base with a large vocabulary, .	<a href="http://www.speech.cs.cmu.edu/sphinx/">http://www.speech.cs.cmu.edu/sphinx/</a>
Dox	Dox is a browser for HTML	<a href="http://developer.berlios.de/project/showfiles.php?group">http://developer.berlios.de/project/showfiles.php?group</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
	documents.	_id=202
Endeavour2	The application is a file browser/file manager.	<a href="http://freshmeat.net/projects/endeavour2/">http://freshmeat.net/projects/endeavour2/</a>
Firefox	Firefox is a web browser.	<a href="ftp://ftp.mozilla.org">ftp://ftp.mozilla.org</a>
GnoCHM	GnoCHM is a CHM file viewer for Gnome2.	<a href="http://gnochm.sourceforge.net/">http://gnochm.sourceforge.net/</a>
Kvoicecontrol	KVoiceControl is an application for speech recognition.	<a href="http://freshmeat.net/projects/kvoicecontrol/">http://freshmeat.net/projects/kvoicecontrol/</a>
Nvu	Nvu is a web page editor.	<a href="http://www.nvu.com/download.html">http://www.nvu.com/download.html</a>
Omsp	The Open Media Streaming Project is allows development of a platform for the streaming of multimedia contents.	<a href="http://streaming.polito.it/">http://streaming.polito.it/</a>
OpenMash	Mash is a multimedia communication application that runs over the Internet using IP multicast.	<a href="http://www.openmash.org/">http://www.openmash.org/</a>
PeerCast	PeerCast enables the user to listen and watch video over the Internet.	<a href="http://www.peercast.org/">http://www.peercast.org/</a>
Straw	Straw is a desktop RSS and Atom aggregator for the GNOME 2 environment.	<a href="http://www.nongnu.org/straw">http://www.nongnu.org/straw</a>
Videolan	The VideoLAN is an application for targeting multimedia streaming of MPEG-1, MPEG-2, MPEG-4 and DivX files, DVDs, digital satellite channels, terrestrial television channels and live videos.	<a href="http://www.videolan.org/">http://www.videolan.org/</a>
xCHM	xCHM is a .chm viewer for UNIX (Linux, *BSD, Solaris).	<a href="http://xchm.sourceforge.net/">http://xchm.sourceforge.net/</a>
<b>B.7 Networking and remote access control</b>		
Autoscan	AutoScan is a GNOME application designed to explore and to manage the network.	<a href="http://autoscan.free.fr/">http://autoscan.free.fr/</a>
Cheops-ng	Cheops-ng is a network management tool for mapping and monitoring the network.	<a href="http://cheops-ng.sourceforge.net/download.php">http://cheops-ng.sourceforge.net/download.php</a>
Cygwin/X	Cygwin/X is a port of the X Window System to the Microsoft Windows family of operating systems.	<a href="http://x.cygwin.com/">http://x.cygwin.com/</a>
Gtransfer-manager	GTM allows the user to retrieve multiple files from the web.	<a href="http://gtm.sourceforge.net/">http://gtm.sourceforge.net/</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
Grcm	grcm (GNOME Remote Connection Manager) is a configurable remote connection manager that allows storage of information about remote connections.	<a href="http://grcm.sourceforge.net/index.html">http://grcm.sourceforge.net/index.html</a>
KVpnc	KVpnc is a VPN client for the KDE environment that uses vpnc, which is a replacement for the cisco VPN client and is used as a client for the Cisco 3000 VPN Concentrator.	<a href="http://home.gna.org/kvpnc/">http://home.gna.org/kvpnc/</a>
NetPlug	NetPlug is an extensible multi-connections, multi-protocol, network client program.	<a href="http://www.demailly.com/~dl/netplug.html">http://www.demailly.com/~dl/netplug.html</a>
Ntop	ntop is a network traffic probe that shows the network usage, similar to what the popular top Unix command does. ntop is based on libpcap and it has been written in a portable way in order to virtually run on every Unix platform and on Win32 as well.	<a href="http://www.ntop.org/ntop.html">http://www.ntop.org/ntop.html</a>
NxServLiv	NxServLiv provides compression of remote X sessions using NoMachine's NX oss libraries.	<a href="http://freshmeat.net/projects/nxservliv/">http://freshmeat.net/projects/nxservliv/</a>
ProperJavaRDP	properJavaRDP is a Java Remote Desktop Protocol client for Windows Terminal Services. It is based on rdesktop. properJavaRDP runs on Java 1.1 up (optimised for 1.4), and works great on Linux, Windows and Mac.	<a href="http://properjavardp.sourceforge.net/">http://properjavardp.sourceforge.net/</a>
Rdesktop	rdesktop is a client for Windows NT Terminal Server and Windows 2000/2003 Terminal Services, capable of natively speaking Remote Desktop Protocol (RDP) in order to present the user's NT desktop.	<a href="http://www.rdesktop.org/#download">http://www.rdesktop.org/#download</a>
Remote Desktop Connection (RDC)	Remote Desktop Connection (RDC) is a graphical front-end to rdesktop that allows connections to a Microsoft Terminal Server. It includes GTK+-2.0 front-end for rdesktop and other remote desktop tools, GNOME panel applet to quickly launch saved	<a href="http://pxes.sourceforge.net/">http://pxes.sourceforge.net/</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
	profiles.	
Synergy	Synergy allows sharing a single mouse and keyboard among multiple computers with different operating systems, each with its own display, without special hardware.	<a href="http://synergy2.sourceforge.net/">http://synergy2.sourceforge.net/</a>
Tn5250j	The tn5250j is a 5250 terminal emulator for the AS/400 written in Java. Enhanced mode provides other functions like cursor progression, windows, continued edit fields, edit masked fields; scripting, data transfer and printer support.	<a href="http://tn5250j.sourceforge.net/">http://tn5250j.sourceforge.net/</a>
Vt6530	The Tandem VT6530 is a proprietary terminal used with their Non-Stop(TM) series of mainframes.	<a href="http://www.geocities.com/john_garrison/downloads.html">http://www.geocities.com/john_garrison/downloads.htm</a> l
Vnc	VNC (Virtual Network Computing) software makes it possible to view and fully-interact with one computer from any other computer or mobile device anywhere on the Internet. VNC software is cross-platform.	<a href="http://www.realvnc.com/download.html">http://www.realvnc.com/download.html</a>
VncSelector	VncSelector offers a way to manage a user's running VNC server sessions.	<a href="http://www.dooglio.net/VncSelector/">http://www.dooglio.net/VncSelector/</a>
Wy60	The Wy60 Emulator is used for execution of legacy applications which have been hard-coded with support for the Wyse 60 family of terminals.	<a href="http://gutschke.com/wy60/">http://gutschke.com/wy60/</a>
<b>B.8 Graphics</b>		
Cenon	Cenon is a vector graphics tool for GNUstep. It is built upon a modular graphical core, and offers a variety of applications beyond desktop publishing.	<a href="http://www.cenon.info/frame_gb.html">http://www.cenon.info/frame_gb.html</a>
GIMP	GIMP is a freely distributed program for such tasks as photo retouching, image composition and image authoring.	<a href="http://www.gimp.org">http://www.gimp.org</a>
inkscape	A graphics editor based on Linux & Windows SVG,-featuring alpha blending, node	<a href="http://www.inkscape.org/">http://www.inkscape.org/</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
	editing, svg-to-png export, and more.	
ImageJ	ImageJ is a public domain Java image processing program for the Macintosh and inspired by NIH Image. It runs, either as an online applet or as a downloadable application, on any computer with a Java 1.1 or later virtual machine.	<a href="http://rsb.info.nih.gov/ij/download.html">http://rsb.info.nih.gov/ij/download.html</a>
Kmatplot	A tool for drawing data sets in two or three dimensions.	<a href="http://kmatplot.sourceforge.net/">http://kmatplot.sourceforge.net/</a>
Labplot	LabPlot is an application on KDE for data drawing and function analysis.	<a href="http://labplot.sourceforge.net/index.html">http://labplot.sourceforge.net/index.html</a>
<b>D. Public Libraries</b>		
DjVuLibre	Djvu is a web-based platform to distribute content and images. DjVuLibre is the Open Source implementation of DjVu.	<a href="http://djvulibre.djvuzone.org">http://djvulibre.djvuzone.org</a>
Greenstone Digital Library	Greenstone is a suite that it is used to distribute digital library collections.	<a href="http://greenstone.org">http://greenstone.org</a>
<b>G. E-learning</b>		
ATutor	ATutor is an Open Source e-learning platform that offers great accessibility and adaptability.	<a href="http://www.atutor.ca">http://www.atutor.ca</a>
Manhattan	Manhattan is a free Open Source course management system.	<a href="http://manhattan.sourceforge.net">http://manhattan.sourceforge.net</a>
doceboLMS.org	doceboLMS.org, the new name for the Spaghettilearning project, is an Open Source e-learning platform.	<a href="http://www.docebolms.org">http://www.docebolms.org</a>
Claroline	Claroline is a collaborative learning environment based on PHP/MySQL.	<a href="http://www.claroline.net">http://www.claroline.net</a>
<b>M. Encryption, privacy and security</b>		
<b>M.1 Firewalls &amp; tools</b>		
Akenti	Akenti provides a way to express and to enforce an access control policy without requiring a central enforcer and administrative authority.	<a href="http://www-itg.lbl.gov/Akenti/">http://www-itg.lbl.gov/Akenti/</a>
Clam Antivirus	Clam AntiVirus is a GPL anti-virus toolkit for UNIX. The main purpose of this software	<a href="http://sourceforge.net/projects/clamav/">http://sourceforge.net/projects/clamav/</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
	is the integration with mail servers (attachment scanning).	
Dropbear	Dropbear is an SSH server with a small memory footprint suitable for memory-constrained environments.	<a href="http://matt.ucc.asn.au/dropbear/">http://matt.ucc.asn.au/dropbear/</a>
Enforcer	The Enforcer is a Linux Security Module designed to improve integrity of a computer running Linux by ensuring no tampering of the file system.	<a href="http://enforcer.sourceforge.net/">http://enforcer.sourceforge.net/</a>
Firewall Builder	Firewall Builder is multi-platform firewall configuration and management tool.	<a href="http://www.fwbuilder.org/">http://www.fwbuilder.org/</a>
Firestarter	Firestarter is a firewall tool for Linux, and uses GNOME. It provides wizards to create a basic firewall, then streamline it further using the dynamic rules.	<a href="http://firestarter.sourceforge.net/">http://firestarter.sourceforge.net/</a>
FieryFilter	FieryFilter is an interactive desktop firewall for Linux. It will ask the user every time a new network connection is made if they want to allow or deny it.	<a href="http://freshmeat.net/projects/fieryfilter">http://freshmeat.net/projects/fieryfilter</a>
fwknop	fwknop implements network access controls (via iptables) based on a flexible port knocking mini-language.	<a href="http://www.cipherdyne.org/fwknop/">http://www.cipherdyne.org/fwknop/</a>
Gringotts	Gringotts is a small utility that allows jotting down sensitive data (passwords, PINs, small files, etc.) in a readable, easy accessible, and secure form.	<a href="http://devel.pluto.linux.it/projects/Gringotts/index.php?page=home">http://devel.pluto.linux.it/projects/Gringotts/index.php?page=home</a>
Kguarddog	Guarddog is firewall generation/management utility for KDE 2 or 3 on Linux.	<a href="http://www.simonzone.com/software/guarddog/">http://www.simonzone.com/software/guarddog/</a>
<b>M3. Digital signature</b>		
Opensign	OpenSign is a java applet for signing text in a web browser using a PKCS-12 key-files or keys located in MS Crypto API CSP's in a Win32 environment.	<a href="http://www.openoces.org/opensign/download.html">http://www.openoces.org/opensign/download.html</a>
Opensignature	This software allows signing, verification, sending a document and more.	<a href="http://opensignature.sourceforge.net/firma_digitale-0.92.tar.gz">http://opensignature.sourceforge.net/firma_digitale-0.92.tar.gz</a>
<b>P. Database</b>		



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<b>Package</b>	<b>Description</b>	<b>Download location</b>
<b>P.2 Front-ends and clients</b>		
Agata Report	Agata Report is a cross-platform database reporting tool with graph generation and a query tool like Crystal Reports.	<a href="http://www.agata.org.br/us/index.php">http://www.agata.org.br/us/index.php</a>
DataVision	DataVision is a reporting tool similar to Crystal Reports. Reports can be designed using a drag-and-drop GUI. They may be run, viewed, and printed from the application or exported as HTML, XML, PDF, LaTeX2e, DocBook, or tab- or comma-delimited text files.	<a href="http://datavision.sourceforge.net/index.html">http://datavision.sourceforge.net/index.html</a>
DBDesigner 4	DBDesigner 4 is a visual database design system that integrates database design, modelling, creation and maintenance into a single, seamless environment.	<a href="http://www.fabforce.net/dbdesigner4/">http://www.fabforce.net/dbdesigner4/</a>
Geode	Geode is an Integrated Development Environment designed to facilitate development in the ESI Objects system under linux and (hopefully soon) other free and open operating systems.	<a href="http://geode.sourceforge.net/">http://geode.sourceforge.net/</a>
Mergeant	Mergeant allows to connect to any database through the Libgda library (MySQL, PostgreSQL, Oracle, etc) and manage data within the database.	<a href="http://gnomefiles.org/app.php?soft_id=199">http://gnomefiles.org/app.php?soft_id=199</a>
MDB tools	MDB Tools includes programs to export schema and data from Access to other databases such as MySQL, Oracle, Sybase, PostgreSQL, and others.	<a href="http://mdbtools.sourceforge.net/">http://mdbtools.sourceforge.net/</a>
MySQL Control Center	MySQL Control Center (also known as MySQLCC) is a platform-independent GUI administration client for the MySQL database server.	<a href="http://www.mysql.com/products/mysqlcc/">http://www.mysql.com/products/mysqlcc/</a>
ODBTP	ODBTP is a TCP/IP protocol for connecting to Win32-based databases from any platform.	<a href="http://odbtp.sourceforge.net">http://odbtp.sourceforge.net</a>
phpMyAdmin	phpPgAdmin is a web-based administration tool for PostgreSQL. It is perfect for	<a href="http://phpPgAdmin.sourceforge.net/index.php?page=download">http://phpPgAdmin.sourceforge.net/index.php?page=download</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
	PostgreSQL DBAs, newbies and hosting services.	
phpPgAdmin	phpPgAdmin is a web-based administration tool for PostgreSQL. It is perfect for PostgreSQL DBAs, newbies and hosting services.	<a href="http://phppgadmin.sourceforge.net/index.php?page=download">http://phppgadmin.sourceforge.net/index.php?page=download</a>
Rekall	Rekall is a database front-end, somewhat in the style of MicroSoft Access. However, Rekall is not itself a database, and does not include a database.	<a href="http://www.rekallrevealed.org/">http://www.rekallrevealed.org/</a>
Sqlgui	SqlGui is a graphical database frontend for KDE. Currently MySQL and PostgreSQL are supported.	<a href="http://www.sqlgui.org/">http://www.sqlgui.org/</a>
The Zaval Database Export Utility	The Zaval Database Export Utility is a light-weight, web-based client, specially designed for data export from any database without having to launch the database-specific administrative clients or tools.	<a href="http://www.zaval.org/products/db-export/">http://www.zaval.org/products/db-export/</a>
<b>P.3 Knowledge management</b>		
Data Centric Knowledge Management System (KMS)	The purpose of the Data Centric Knowledge Management System (KMS) is to centralize knowledge generated by scientists working within and across functional areas, and to organize that knowledge such that it can be easily accessed, searched, browsed, navigated, and curated.	<a href="http://www.3rdmill.com/open_source_documents/3rdMill_KMSsoftware.zip">http://www.3rdmill.com/open_source_documents/3rdMill_KMSsoftware.zip</a> (when registered)
Protege 2000	Protege 2000 is a tool which allows the user to:	<a href="http://protege.stanford.edu/whatis.html">http://protege.stanford.edu/whatis.html</a>
<b>Q CAD/CAM and Geographic Information Systems</b>		
<b>Q.1 CAD/CAM</b>		
Dia	Dia is designed to be much like the commercial Windows program 'Visio'.	<a href="http://www.gnome.org/projects/dia/">http://www.gnome.org/projects/dia/</a>
GISAR Project	GISAR project is 2D,3D dynamic model of real objects (for example streets, roads, houses, telephones, clients, etc) , that may be used for development any functional and visual models of real system.	<a href="http://gisar.sourceforge.net/ENG/Index.htm">http://gisar.sourceforge.net/ENG/Index.htm</a>

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<b>Package</b>	<b>Description</b>	<b>Download location</b>
Q.2 GIS and tools		
GRASS	GRASS (Geographic Resources Analysis Support System) is a raster/vector GIS, image processing system, and graphics production system.	<a href="http://grass.itc.it">http://grass.itc.it</a>
IVICS	IVICS was developed as a visualization tool to facilitate selection of training samples from satellite images.	<a href="http://vortex.nsstc.uah.edu/ivics/">http://vortex.nsstc.uah.edu/ivics/</a>
Kivio	Kivio is a flowcharting and diagramming application for the Koffice application suite, and has a user interface that is similar to Visio.	<a href="http://www.koffice.org/kugar/">http://www.koffice.org/kugar/</a>
Mapeditor	MapEditor allows users to load tracks generated by NavSys and use these tracks to create street maps of an area.	<a href="http://www.navsys.org/mapeditor/">http://www.navsys.org/mapeditor/</a>
POPulation MAPper	POPulation MAPper (popmap for the friends) is an utility that creates population maps.	<a href="http://popmap.sourceforge.net/">http://popmap.sourceforge.net/</a>
Qgis	Quantum GIS (QGIS) is a Geographic Information System (GIS) built for Linux/Unix. QGIS supports vector, raster, and database formats.	<a href="http://qgis.org/">http://qgis.org/</a>
TerraView	TerraVisionTM is an Open Source distributed, interactive terrain visualization system developed by SRI International.	<a href="http://www.dpi.inpe.br/terraview/english/index.html">http://www.dpi.inpe.br/terraview/english/index.html</a>
TerraVision TM	TerraVisionTM is an interactive terrain visualization system developed by SRI International. It allows users to navigate, in real time, through a 3D graphical representation of a real landscape created from elevation data and aerial images of that landscape.	<a href="http://www.tvgeo.com/">http://www.tvgeo.com/</a>

## **Appendix D - Other on-line software lists**

### **OSDir**

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

A large collection of software links created by the O'Reilly editor (popular for its line of technical reference manuals). It strives to link only software with proven track record.

### **SourceForge**

<http://sourceforge.net/>

The largest hosting platform for open source projects, currently listing more than 80.000 projects (of which 23.000 are in beta, stable or mature).

### **FreshMeat**

<http://freshmeat.net/>

An announcement portal, that provides informations on new packages and updated ones.

### **Savannah**

<http://savannah.gnu.org/>

Created as a reaction to the progressive commercialization of SourceForge the GNU project created this repository server that currently host around 2000 projects.

### **BerliOS**

<http://www.berlios.de/>

Similar to SourceForge, it provides repository and services; currently maintained by FHG Fokus research group.

### **GovernmentForge**

<http://governmentforge.org/>

Another SourceForge clone, aimed at government-backed open source projects.

### **Government Code Collaborative**

<http://www.gocc.gov/>

A voluntary collaboration between public sector entities and non-profit academic institutions created for the purpose of encouraging the sharing, at no cost, of computer code developed for and by government entities where the redistribution of this code is allowed.

## References

N°	Source / URL	Last check	Author
1	<a href="http://www.muenchen.de/Rathaus/referate/dir/linux/89256/index.html">http://www.muenchen.de/Rathaus/referate/dir/linux/89256/index.html</a>	11/08/04	[Dr. Müller]
2	Free/Libre/Open Source Software: Survey and Study. June 2002. <a href="http://www.infonomics.nl/FLOSS/">http://www.infonomics.nl/FLOSS/</a>	14/03/05	N/A
3	OSOSS Program: <a href="http://www.ososs.nl/index.jsp">http://www.ososs.nl/index.jsp</a>	14/03/05	N/A
4	IDABC: Interoperable Delivery of European eGovernment Services to public Administrations, Business and Citizens: <a href="http://europa.eu.int/idabc/">http://europa.eu.int/idabc/</a>	14/03/05	N/A