Project no. 034595

SELF
Science, Education and Learning in Freedom

Instrument: SSA - Specific Support Action
Thematic Priority: IST-2005-2.5.5 – Software and Services

Interim Report IR 2.1
Overview of Available Material

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	Dissemination Level	
PU	Public	PU
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

Table of Contents

1 About this document

This document has two main objectives. The first one is to expose the results achieved at the present time towards the creation of a database of copyleft [1] licensed educational and training materials already available, which can potentially be reused within the SELF project. After reaching the first aim, the analysis of the resulting database leads to the second aim: facilitating the detection of the present gaps of educational resources about Free Software and Open Standards. Only the copyleft resources are of the interest of the current Work Package, and the SELF project in general. Therefore, only documents published under free licenses are mentioned in the present document.

In the introduction, some general considerations are made and the need of two different databases is justified, one for materials themselves and another for sites (repositories) which host collections of materials. The introduction is followed by the definition and justification of the material selection criteria set. The next point is to build two lists in order to classify both the applications (and standards) and the sites into categories and subcategories. These lists constitute a framework to facilitate the searching task.

The assessment of the searching results is presented in a table using, as entries, the categories and subcategories listed in the previous section. This form makes it easier to show both how reliable the assessment of the availability of resources for each entry is, and how valuable the resources known to SELF platform are. Obviously, the rate of the second field is subject to its confidence degree, assessed in the first field.

In the conclusions section the results are globally assessed and suggestions about how to improve their reliability are made, highlighting those categories or subcategories that deserve further investigation regarding the existence of educational materials. The resource lacks pointed out in this section will be used as the starting point to specify the gaps of educational resources about Free Software and Open Standards, which is one of the aims of the current Work Package.

Finally the forms reporting the most relevant materials and sites known are attached as an appendix.

The awareness of the SELF main objectives regarding the gathering and production of educational materials facilitates the comprehension of the document, therefore the following quotations:

"[The SELF platform] will offer general information on Free Software applications and technologies. This consists of accessible introductory information for non-technical users describing the major Free Software applications, standards, and technologies and related concepts." [2]

"[The fourth and last specific project objectives is] to make the SELF platform self-sustainable by creating an active community of individuals and institutions (...) around it." [3]

2 Introduction

The Work Package 2 is focused on the obtention of a list of available learning materials on Free Software and Open Standards, including as many applications as possible. In the first step, a list of all materials candidates to be in this report was built. In the next step, these candidates were filtered with a quality criteria.

The huge amount and the dispersion of the available educational and training resources that fulfil to certain degree the requirements to be considered as candidates to be included or reused in SELF platform impels to implant a well defined methodology of searching, classifying and assessing these resources to ease the tasks of identifying fields within Free Software or Open Standards not enough documented or not documented at all and to determine whether it is worth to undertake the efforts required to integrate these resources into the SELF platform. This document focuses and justifies the methodology followed during the efforts made achieve these aims and the results obtained.

The existence of specific Internet sites dedicated to gather collections of Free Software documentation, as The Linux Documentation Project, drives to the need of treating them as a whole into a separated database of repositories to be processed later. As a result of this approach all the steps taken to inspect the existing materials are duplicated and adapted to the inspection of this sort of sites and to register their contents.

3 Resource selection criteria

A well defined selection criteria set is necessary to succeed in the precess of materials search. The following subsections establish the main aspects of these criteria according to the SELF philosophy and principles.

It is obvious that during the search process some minor dilemmas can appear. It is left to the researcher criterion to decide whether these materials can be a potential source of information for the SELF platform or not.

If this dilemma were too frequent it would be desirable to review the materials selection criteria to give a concerted answer to it. However, the suggested method has been tested for enough time to assure that the given criteria will most likely be sufficient to assess most of these materials.

Acceptable licenses

Due to the fact that all the materials produced within SELF will be licensed under GNU (GNU Is Not Unix) Free Documentation License [4, 5], the most useful materials from a licensing point of view are those distributed under this license.

All other copyleft licenses are also currently acceptable since their integrability into the SELF platform has not been yet evaluated by the SELF Legal Group.

Formats and supports

Electronic support is preferred to other publication methods as it provides better integration into the SELF platform.

Open standard formats are always preferable to proprietary formats, as they are not specific application dependant. For proprietary formats a method must exist to convert them into open formats (at least this could always be done manually).

Obsolete materials

Outdated technical materials are discarded, since their value is merely historic and they lack of any didactic value.

Materials which are exposed to become outdated in a reasonably short period of time, as troubleshooting guides or articles about the integration of a very specific technology, are also discarded due to their special needs of maintenance.

Quality and contents assessment

Materials are selected according to their capabilities to fulfil both SELF platform specifications and SELF platform audience didactic requirements. Consequently, materials are required to have a minimal structure and a minimal quantity and quality of contents.

Essay articles deserve separated consideration due to the fact that, although in most cases they lack of didactic relevance, they can be extraordinarily useful as complementary materials.

Documentation sites and outstanding materials

Although documentation sites contents must be registered as a whole into the documentation sites database using the sites form, if any of their contents can be considered a relevant material on its own it can be also entered into the materials database as an independent entry.

4 Categories and subcategories

The following subsections list the categories and subcategories to be used both when filling in the databases with located resources and when classifying the materials that will be produced in the future, as a result of the SELF project efforts or independently.

Although considerable efforts have been made to classify as many educational resources as possible while trying to keep a high level of detail, the categorising lists remain open to modifications. These modifications would be justified, for instance, if a representative group of resources is identified as omitted or when the amount of resources classified into any "Others" section becomes too large.

4.1 Categories and subcategories for materials

Ten main categories have been suggested for the general classification:

SELF. Aimed to gather all the materials about the SELF platform and how it works. A first collection of materials will be produced during the SELF project.

Introduction to Free Software and Open Standards. Materials related to the use Free Software (FS) and Open Standards (OS). Introductory materials can be combined with references to external essays and other documents. It is considered of strategic importance to understand the main concepts and philosophy behind FS and OS.

Open Standards. Materials that aim to disseminate the needs of using Open Standards and their principles. The subcategories are the same used in the Work Package 3.

Office Tools. This kind of software applications deserves a main category due to the importance they have for most users.

Communication Tools. These tools constitute the other set of most frequently used applications by most users and good skills using them are essential in the current information society.

GNU/Linux. These systems are the most spread within the Free Software community of users and profuse resources can be found on the Internet.

Other Operating Systems. Aimed to gather the materials devoted to the rest of free operating systems.

Educational Software. This category is of the highest priority within the SELF platform and special efforts will be devoted to ensure a proper set of educational materials to document the available applications.

Enterprise Software. This kind of software constitutes another strategic category to the SELF Project. The lack of documentation within this category is widely known, probably due to novelty of these applications.

Multimedia Software. New technologies are also of strategic importance within the SELF project since they are seen as new pedagogical means to achieve educational aims.

Some subcategories, when considered necessary, have a number of keywords or a brief explanation about the materials that fit into them.

Some entries have a list of possible applications or standards that fit into that category or subcategory and which can be relevant to the SELF platform audience. They are not intended to be exhaustive compilations of all the applications or standards that would fit into a specific category or subcategory. They are just intended to highlight the applications currently identified, and to be used as examples to classify other applications by similarity. For the sake of effectiveness, applications and standards are only included into one of the suitable categories or subcategories.

1 SELF
   1.1 Foundational and organisational documents
   1.2 Users
      ➢ To learn how the SELF Platform works from the user point of view.
   1.3 Publishers
      ➢ Guidelines for producing the SELF Platform resources.
   1.4 Others

2 Introduction to Free Software and Open Standards
   2.1 Basic concepts and philosophy
   2.2 History of Free Software and Open Standards
   2.3 Free Software development models
   2.4 Free Software and business models
   2.5 Others

3 Open Standards
   3.1 Unformatted Text
      • ASCII, ISO8859, UNICODE
   3.2 Formatted Text
      • ODT, DocBook
   3.3 Scientific Text
      • ODF, MathML, TeX/LaTeX
   3.4 Raster Image
      • JPEG, PNG, PNM, GIF, BMP
   3.5 Vector Image
      • SVG, ODG
   3.6 Video Image
      • OpenEXR, Theora, RIFF, AVI
   3.7 Printed-Oriented
      • PDF, PS
   3.8 Hypertext

- AGNULA, CentOS, Debian, Fedora Core, Geento, Mandriva, Red Hat, Slackware, Suse, Ubuntu, Ututo-e, and many more

6.2 Technical concepts (subcategories are needed!!!!)

    6.2.1 Filesystem hierarchy standard

    6.2.2 Standardisation

6.3 User environment

> Essential concepts to be skilled to use a UNIX-like system.

6.4 Unix command line Programmes

    6.4.1 File and file system management
- cat, chdir/cd, chmod, chown, chgrp, cp, dd, du, df, file, fsck, ln, ls, lsof, mkdir, more, mount, mv, pwd, rcp, rm, rmdir, split, touch, tree

    6.4.2 Process management
- anacron, at, chroot, cron/crontab, kill/pkill, killall, nice/renice, nohup, ps, sleep, screen, time, timex, top, wait

    6.4.3 User management/environment
- env, finger, id, locale, mesg, passwd, su, sudo, uname, uptime, w, wall, who, write

    6.4.4 Text processing
- awk, cut, diff, ex, grep, head, iconv, join, less, more, nkf, paste, sed, sort, tail, tee, tr, troff, uniq, wc, xargs

    6.4.5 Searching
- find, grep, strings

    6.4.6 Cryptography
- GnuTLS, gpg, mcryp, OpenSSL, Enginemail

    6.4.7 Miscellaneous
- banner, bc, cal, info, man, yes, date, dmesg, uname

    6.4.8 Others
- echo, lp,

6.5 Shells and shell programming
- bash, csh, ksh, sh, tcsh, zsh

6.6 Scripting languages
- Perl, PHP, Python

6.7 Administration

    6.7.1 Local administration

        6.7.1.1 Package management
- alien, apt, debconf, dpkg, darkconf, emerge, pacman, portage, rpm, Synaptic, rpm, YaST, yum

    6.7.2 Networking
- ip, nc, ping, traceroute,

    6.7.3 Services

        6.7.3.1 Printing
- CUPS

        6.7.3.2 Secure shell
- sshd

        6.7.3.3 Web servers
- Apache

        6.7.3.4 Mail transfer agents (MTAs or E-mail servers)
- Exim, Postfix, Qmail, Sendmail, and many others

        6.7.3.5 Mail delivery agents (MDA or E-mail filters)

- Procmail, maildrop, SpamAssasin, Bogofilter, and many others

6.7.3.6 File transfer servers
- ftpd

6.7.3.7 Version control
- OpenCVS, Subversion

6.7.3.8 Database systems
- PostgreSQL, MySQL, and others

6.7.3.9 Others

6.8 Graphical system

6.8.1 Xservers
- Xorg, Xserver

6.8.2 Xlib
- Xlib

6.8.3 Window managers
- twm, Window Maker, Enlightenment, IceWM, Metacity, Blackbox, Waimea, and many many others

6.8.4 Display managers
- xdm, gdm, kdm, wdm

6.8.5 Session managers
- xsm, gnome-session, ksmserver

6.8.6 Desktop managers
- GNOME, K Desktop Environment (KDE), Unix Desktop Environment (UDE)

6.8.7 Toolkits
- GTK+, Qt, GNUstep, LessTiff, WINGs

6.8.8 Others

6.9 Specific applications

6.9.1 Text editors
- GNU Emacs, vim, nvi, nano, gedit, NEdit, joe, and many others

6.9.2 Software development tools
- GNU Compiler Collection (gcc), GNU Debugger (gdb), GNU Binary Utilities (binutils), and many others

6.9.3 Format converters

6.9.3.1 Graphics
- ImageMagick

6.9.3.2 Documents
- X2Y (like ps2pdf)

6.9.4 CD/DVD Toasters
- GnomeBaker, K3b, cdrkit

6.9.5 File managers
- Nautilus, GNOME Commander, Konqueror, Krusader, Gentoo file manager, Midnight Commander

6.9.6 Boot loaders
- GRUB, lilo, yaboot, and others

6.9.7 Virtualisation
- Xen, qemu, and others

6.9.8 Others

6.10 Others

7 Other operating systems

- AGNULA, ALSA, Ardour, Audacity, Ceres3, CLAM Music Annotator, CLAM Network Editor, CLAM SMSTools, Common LISP Music (CLM), Common Music Notation (CMN), Common Music (CM), Snd, CSound, Funktrackergold, Jack, Ladspa, jMax, Mix, MusE?, Open Music, PD, GEM, Soundtracker, SuperCollider?3, Timidity

10.2 Video
- Cinelerra

10.3 Animation
- Anim8or, Blender, Yafray, KToon

10.4 2D Graphics
- GIMP (GNOME), InkScape (GNOME), Xfig

10.5 3D Graphics
- Wings 3D

10.6 Media authoring

10.7 Games
- GNU Chess, GNU Go, GNU Robots, Dnafight, Enigma, Minesweeper, Tile World, Rocks'n'Diamonds, Same Gnome/KSame, Pingus, and many others

10.8 Others

11 Others

4.2 Documentation sites categories and subcategories

Every entry includes a list of representative documentation sites which are considered relevant to the SELF platform audience that fit in each category or subcategory. The same policy as for the materials categorising list is adopted for the following categorising list.

1 General Purpose Information Sources
- Wikipedia, Wikiversity, Open Dictionary

2 Official Schools and Training Centres
- UOC, ISOC.nl

3 Consortia, Cometees, etc.
- including certification centres

4 Independent Sites
- The Linux Documentation Project, The Jargon file, xtech capacitación,
- http://www.tutorialsforopenoffice.org/ http://www.learnopenoffice.org/
- http://wiki.inkscape.org/wiki/index.php/TutorialsAndHelp
- http://www.linux.org/
-

5 magazines and periodic publications
- First Monday (CC Licensed), Free Software Magazine

6 Others

5 Precedences of applications in the resources searching process

One of the main objectives of the SELF Project is the creation of a platform where any kind of educational resource regarding Free Software and Open Standards is welcome. However, not all free software applications have the same strategic importance to the SELF Project.

The search task has been scheduled according to this precedence criterion, which will also be used as a base to plan the production of new materials within the SELF Project. It would be desirable to have all the applications with a high priority well documented at the time of the public release of the SELF Platform. The precedence criterion could be included in some way in the SELF website with the intention of guiding the future production of materials within the platform.

The following table presents the precedence level of software applications main categories to the SELF Project, from 1 to less relevant, to 6, highest priority.

	Category / Subcategory	Precedence Level	Observations
1	SELF	6	• It is of the highest priority and an inherent task of the SELF Project to produce outstanding materials to document its platform. • Perfect case to put in practice all SELF Project didactic conclusions. • Excellent example to future productions.
2	Educational software	5	• Children trend to reproduce those habits they observe in the persons who are perceived as conduct patterns. For that reason it is of high priority to give to school teachers and educators in general all the tools they need to make the use free software in their everyday work.
3	Introduction to Free Software and Open Standards	4	• The free software advocacy and "evangelising" is strategic to change the current domination of mass usage of proprietary software. • Clarifying fundamental concepts becomes essential. • Spreading the conciseness of the benefits of using open standards and free software is, itself, the fundamental base of SELF Project. • School teachers and educators forms is an strategic audience to this category.
4	Office tools and Communication tools	3	• These two categories constitutes the practical paramount since they gather the most used software applications for non-technical users.
1	Multimedia software	3	• These tools are essential in a modern conception of didactics and pedagogics.
5	GNU/Linux	2	• The knowledge of the hardest technical concepts is not considered of strategic importance. • It is obvious that a good knowledge of the underlying system is always desirable, but it is considered that at the time there is free documentation enough covering this category. Efforts have to be made to attract people to this documentation.
1	Enterprise software	2	• It is of strategic importance from economics and business

	Category / Subcategory	Precedence Level	Observations
			administration to break the current trend to relay on proprietary solutions for this group of applications
6	Other operating systems	1	• At the time there are no major alternatives to the GNU/Linux proposal
7	Open Standards	1	• High level technical information is not considered a priority.

6 Summary of the resource searching process

In the following subsections the results of the searching processes are assessed using the categories lists presented in the previous section.

6.1 Materials searching process

The next table summarises the assessment of the materials searching process. Using the categories and subcategories relevant to SELF platform as entrances, the second column shows the confidence level of this assessment, and the third column assesses how documented is each category or subcategory with the materials already available.

The possible values for each field are the following:

Confidence Level
1: Low (much more search is needed)
2: Medium (more search may help find more materials)
3: High (we are quite sure that the search has been exhaustive)

Documentation Level
0: Nothing (no documentation has been found)
1: Partially (some documentation has been found)
2: Mostly (many materials have been found)
3: Totally (almost all of the required documentation has been found)

Category / Subcategory	Confidence Level	Documentation Level
1 SELF		
1.1 Foundational and organizational documents	To do	To do
1.2 Users	To do	To do
1.3 Publishers	To do	To do
2 Introduction to Free Software and Open Standards		
2.1 Basic concepts and philosophy	3	2
2.2 History of Free Software and Open Standards	3	3
2.3 Free Software development models	3	2
2.4 Free Software and business models	2	1
3 Open Standards		
3.1 Unformatted Text	1	0
3.2 Formatted Text	1	0
3.3 Scientific Text	1	0
3.4 Raster Image	1	0
3.5 Vector Image	1	0

Category / Subcategory	Confidence Level	Documentation Level
3.6 Video Image	1	0
3.7 Printed-Oriented	1	0
3.8 Hypertext	1	0
3.9 Presentation	1	0
3.10 Audio	1	0
3.11 Learning Standards	1	0
3.12 Enterprise Standards	1	0
4 Office tools		
4.1 Office suites	3	3
4.2 Word processors	3	3
4.3 Spreadsheets	3	3
4.4 Presentation programs	3	2
4.5 Databases	2	1
4.6 Graphics suites	3	2
4.7 Diagrams	2	2
4.8 Formulas	3	2
4.9 Flowcharts	2	1
4.10 Reports	2	2
5 Communication tools		
5.1 Suites	3	3
5.2 Web clients	3	3
5.3 Mail user agents (MUA or E-mail clients)	3	3
5.4 Instant messengers and IRC clients	2	1
5.5 File transfer clients	2	1
6 GNU/Linux		
6.1 Distributions and metadistributions	2	2
6.2 Technical Concepts	2	2
6.3 User environment	2	3
6.4 Unix command line programs	2	3
6.5 Shells and shell programming	3	3
6.6 Scripting languages	3	3
6.7 Administration		
6.7.1 Local administration	3	3
6.7.2 Networking	3	3
6.7.3 Services		
6.7.3.1 Printing	3	2
6.7.3.2 Secure shell	3	3

Category / Subcategory	Confidence Level	Documentation Level
6.7.3.3 Web	3	3
6.7.3.4 Mail transfer agents (MTAs or E-mail servers)	3	3
6.7.3.5 Mail delivery agents (MDA or E-mail Filters)	3	3
6.7.3.6 File transfer	3	3
6.7.3.7 Version control	3	3
6.7.3.8 Database	3	3
6.8 Graphical system		
6.8.1 Xservers	2	1
6.8.2 Xlib	3	3
6.8.3 Window managers	3	3
6.8.4 Display managers	3	2
6.8.5 Session managers	3	3
6.8.6 Desktop managers	3	3
6.8.7 Toolkits	2	2
6.9 Specific applications		
6.9.1 Text editors	3	3
6.9.2 Software development tools	3	2
6.9.3 Format converters	2	2
6.9.4 CD/DVD toasters	3	3
6.9.5 File managers	3	3
6.9.6 Boot loaders	3	3
6.9.7 Virtualisation	3	2
6.10 Others		
7 Other operating systems	3	3
8 Educational software		
8.1 Educational distributions	2	2
8.2 Educational media authoring	3	1
8.3 Training software	2	2
8.4 Educational applications		
8.4.1 Scientific applications and libraries	2	2
8.4.2 Specific applications		
8.4.2.1 Mathematics	3	1
8.4.2.2 Physics	2	1
8.4.2.3 Chemistry	2	1
8.4.2.4 Biology	2	1
8.4.2.5 Computer-aided design (CAD)	3	3
9 Enterprise software		

Category / Subcategory	Confidence Level	Documentation Level
9.1 Project management	2	1
9.2 Personal information managers	2	1
9.3 Collaborative software (groupware)	2	1
9.4 Enterprise resource planners (ERPs)	2	1
9.5 Content management system (CMSs)	2	1
9.6 Costumer relationship management (CRM)	2	1
9.7 Software development management system	2	1
10 Multimedia software		
10.1 Audio	3	3
10.2 Video	2	2
10.3 Animation	2	1
10.4 2D Graphics	3	3
10.5 3D Graphics	2	1
10.6 Media authoring	2	1
10.7 Games	1	1

7 Conclusions

A large number of materials have been examined during this work. After assessing the quality of the materials included in the initial list, only those that meet the expected quality standards for the SELF Platform have been included.

The number of topics and applications considered in the list of categories is very high, but a specific search and the help received by the community in response to the SELF Call for Materials have allowed to reduce the gaps.

However, no free educational materials were found for some of the applications considered. For the categories where the confidence level of the search performed so far is considered high, this lack of materials will be accounted as a gap. Further search should be performed on categories where the confidence level is low prior to consider them as gaps.

7.1 About materials found and their utility integrability to SELF project

Materials found and categories considered documented enough.

Category	Applications
Office tools	OOo: Write, Math, Calc, Impress, Draw, Base Koffice: KWord, KSpread, KPresenter, Gnome office: Abiword, Gnumeric, Gnome-DB
Communication tools	Mozilla FireFox, Epiphany, Konqueror, Mozilla ThunderBird, Kmail, gaim
GNU/Linux	Bash, GRUB, ip, CUPS, Apache, Exim, PostgreSQL, MySQL, Gnome, KDE, Nautilus, ImageMagick, GnomeBaker, emacs,
Educational software	Squeak, GNU octave, QCad
Enterprise software	Planner, KPlato, Novel Evolution, EgroupWare, GNU Enterprise, openbravo, Fisterra, Epiware, Drupal, MediaWiki,
Multimedia software	Audacity, Cinelerra, GIMP, InkScape, Wings 3D

7.2 Documentation gaps already detected

The following list summarises the main gaps which have been detected:

- OpenOffice.org Base manual
- Gnome planner manual
- Novell Evolution manual
- Enterprise software applications (very few documentation is available)

7.3 Further work

- A *Low* confidence level means that further search of materials should be performed.

- A lot of documentation on OpenOffice.org 2.0 is being produced and we must be aware of them: http://oooauthors.org/en/authors/userguide2/calc/published_final/

8 Bibliography and web links

[1] http://en.wikipedia.org/wiki/Copyleft Copyleft in Wikipedia (17th of November, 2006)

[2] SELF Project 034595 FP6-2005-IST-5; page 13

[3] SELF Project 034595 FP6-2005-IST-5; page 11

[4] SELF Project 034595 FP6-2005-IST-5; page 14

[5] http://www.gnu.org/copyleft/fdl.html GNU Free Documentation License

Appendix A reported resources

A.1 Template forms

In the following subsections the forms to guide entries into the databases are presented and their structure and contents justified. These forms are also used in the next section to display the results of the documentation searching tasks.

A.1.1 Materials form

ID*	
Title*	
Author(s)*	
Resource Location*	
Main Category / Subcategory / (appl. or standard or ...)*	
Other Suitable Categories / Subcategories	
Type (Learning Object)*	
License*	
Language(s)*	
Format(s)*	
Content Keywords*	
Educational Level*	
Expertise Level*	
Previous knowledge*	
Brief Description*	
Quality Assessment*	
SELF Integration*	

Fields description and field contents

The asterisk highlights compulsory fields. These fields must be filled with the keyword 'Unknown' when being more specific is not possible. It is also acceptable, as a temporary solution, to till them

with the keyword 'Pending' or using the yellow highlighting style to enter any non-definitive content. The final aim is to have all the compulsory fields of each entry properly filled.

For some fields a set of options are proposed in the following descriptions. For some of these fields only these options should be used, while for the rest the proposed options should be always used as first option and only in case of serious doubts other options can be used. The main objective of this policy it to avoid dispersion, although this can sometimes imply sacrificing some precision.

ID*

A code that must uniquely identify the entry (a numbering criterion must be established)

Title*

Name of the material as given by the author(s).

Author(s)*

Name of the author(s) of the material.

Resource Location*

Details to reach the material must be supplied.

If the material is and electronic resource and it is available on the Internet the protocol and the Uniform Resource Locator (URL) must be specified.

If the material is a book or another kind of paper publication the work details must be furnished. These details must contain at least the International Standard Book Number (ISBN), while the author's name, date of publication, and publisher details are also desirable.

For any other kind of material, the basic information to reach the work must be provided.

Main Category / subcategory (appl. or standard or ...)*
The main category and its subcategory into which the material has been classified.

If "Others" is used as a category or as a subcategory, a category or subcategory name that fits should be proposed and written in parentheses.

Other Suitable Categories / subcategories

Other categories and subcategories under which the work could also be classified. This field should only be used in singular cases of clear doubt. The minus character "-" must be used to mark this field as empty.

Type (Learning Object)*

The main options are the following, although other options are also acceptable:

- Article
- Course
- Essay
- Frequently Asked Questions (FAQ)
- Guide
- Handbook
- HOWTO
- Paper
- Presentation
- Reference Book
- Textbook
- Tutorial
- User Book
- User Guide

In the future these options will coincide with the defined learning objects. This implies further revision of this field contents because at the time the definitive list of accepted learning objects is not yet available.

License*

License under which the material has been released. At the time, as previously justified in the introduction section, all the copyleft documentation licenses are accepted.

The main options are the following, although other options are also acceptable:

- GNU Free Documentation License (GFDL)
- Creative Commons (CC)
  - Version 2.5
    - Attribution (CC by)
    - Attribution-NoDerivs (CC by ND)
    - Attribution-NonCommercial-NoDerivs (CC by NC-ND)
      Attribution-NonCommercial (CC by NC)
    - Attribution-NonCommercial-ShareAlike (CC by NC-SA)
    - Attribution-ShareAlike (CC by SA)
  - Version 1.0
    - NoDerivs (CC)
    - NoDerivs-NonCommercial (CC ND-NC)
    - NonCommercial (CC NC)
    - NonCommercial-ShareAlike (CC NC-SA)
    - ShareAlike (CC SA)
- Design Science License (DSL)
- Free Art license (FA)

- The Open Content License (OPL)

Language(s)*

A list of all the languages should be listed. English is always desirable and other languages are also welcome, as they will contribute to the localization process.

Format(s)*

A list of all the formats in which the material is available.

Content Keywords*

A list of the material's relevant keywords.

Educational Level*

The only options acceptable are:
- Primary
- Secondary
- Degree
- Postgraduate

Expertise Level*

The only options acceptable are:
- Initiation
- Intermediate
- Advanced
- Expert

Previous Knowledge*

A short description of previous knowledge required to follow the reported material.

Brief Description*

A concise description of the contents of the material.

Quality Assessment*

A short comment about how relevant is the material. "Authoritative work", "reference work" or "complementary material" could be good examples to fill this field.

SELF Integration*

A brief description of the contents of the work. "No changes or review needed" or "Could be included in the SELF Platform with little revision" could be good examples to fill this field. After defining the SELF educational methodology, further revision of the content of this field will be required to adapt the description.

A.1.2 Sites form

ID*	
Name*	
Maintainer(s)*	
Resource Location*	
Main Category / Subcategory*	
Other Suitable Categories / Subcategories	
Types (Learning Objects)*	
License*	
Publishing Policy*	
Language(s)*	
Format(s)*	
Content Keywords*	
Educational Level*	
Expertise Level*	
Previous knowledge*	
Brief Description*	
Quality Assessment*	
SELF Integration*	

Fields description and field contents

As in the preceding form, the asterisk highlights compulsory fields. The final aim is, also, to have all the compulsory fields of each entry properly filled.

ID*

A code that must uniquely identify the site (a numbering criterion must be established).

Name*

The name of the site as given by the maintainer(s).

Maintainer(s)*

The name(s) of the maintainer(s) of the site or the maintainer(s) group name.

Resource Location*

The Uniform Resource Locator (URL) of the site.

Main Category / subcategory*
The main category and its subcategory of the site.

If "Others" is used as a category or as a subcategory, a category or subcategory name that fits should be proposed and written in parentheses.

Other Suitable Categories / subcategories

Other categories and subcategories into which the site could also have been classified. This field should only be used in singular cases of clear doubt. The minus character "-" must be used to mark this field as empty.

Types (Learning Objects)*

The type of materials that are found in the site. More than one option is possible.

License*

The license under the materials of the site has been released. The licenses acceptable are the same as in the Materials form.

Publishing Policy*

A brief description of the publishing methods and procedures.

Language(s)*

Main language of the site and other secondary languages.

Format(s)*

A list of the formats the site's materials have been released.

Content Keywords*

A list of the sites' relevant keywords.

Educational Level*

More than one of the options acceptable can be used:
- Primary
- Secondary
- Degree
- Postgraduate

Expertise Level*

More than one of the options acceptable can be used:
- Initiation
- Intermediate
- Advanced
- Expert

Previous Knowledge*

A short description of previous knowledge required to follow the reported material.

Brief Description*

A concise description of the contents of the site.

Quality Assessment*

A short comment about how relevant are the materials found in the site.

SELF Integration

A.2 Reported materials

1 SELF
2 Introduction to Free Software and Open Standards

ID*	
Title*	Open Sources: Voices from the Open Source Revolution
Author(s)*	Chris DiBona, Sam Ockman, and Mark Stone, Eric S. Raymond, Marshall Kirk McKusick, Scott Bradner, Richard Stallman, Michael Tiemann, Paul Vixie, Linus Torvalds, Robert Young, Robert Young, Brian Behlendorf, Bruce Perens, Tim O'Reilly, Jim Hamerly and Tom Paquin with Susan Walton,
Resource Location*	http://www.oreilly.com/catalog/opensources/book/toc.html ISBN 1-56592-582-3 1st Edition January 1999 O'Reilly and Associates, Inc, 101 Morris Street, Sebastopol, CA 95472
Main Category / Subcategory / (appl. or standard or ...)*	Introduction to Free Software and Open Standards
Other Suitable Categories / Subcategories	Introduction to Free Software and Open Standards / Basic Concepts and Philosophy
Type (Learning Object)*	Book
License*	GFDL and others
Language(s)*	English
Format(s)*	HTML, paper
Content Keywords*	Open Source, Business Strategies, Internet, Linux, Software Engineering,
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Not necessary but appreciated.
Brief Description*	Compilation of articles and essays.
Quality Assessment*	Good.
SELF Integration*	A link reference. Some interesting activities can be developed around some essays.

2.1 Basic Concepts and Philosophy

ID*	
Title*	FLOSS Concept Booklet
Author(s)*	Wikibooks
Resource Location*	http://en.wikibooks.org/wiki/FLOSS_Concept_Booklet
Main Category / Subcategory / (appl. or standard or ...)*	Introduction to Free Software and Open Standards / Basic Concepts and Philosophy

ID*	
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	FAQ
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	FLOSS, Open Source, Free Software, Copyleft.
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Not required
Brief Description*	Very clarifying FAQ about general and common questions regarding Free Software and its basis.
Quality Assessment*	Very good.
SELF Integration*	A link reference, or copying some parts. Really interesting.

ID*	
Title*	Free for All. How Linux and the Free Software Movement Undercut the High-Tech Titans
Author(s)*	Peter Wayner
Resource Location*	http://www.wayner.org/books/ffa/ ISBN: 0066620503 HarperBusiness
Main Category / Subcategory / (appl. or standard or ...)*	Introduction to Free Software and Open Standards / History of Free Software and Open Standards
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Book
License*	CC by nc nd
Language(s)*	English
Format(s)*	PDF, HTML, ASCII, XML
Content Keywords*	Open Source, Revolution, Movement,
Educational Level*	secondary
Expertise Level*	Introduction
Previous knowledge*	Not needed.
Brief Description*	A plain way to get into the Free Software world. Intersting.
Quality Assessment*	Pretty good.
SELF Integration*	It could be used as a complementary document.

ID*	
Title*	Open Source & Free Software Licensing
Author(s)*	Andrew M. St. Laurent
Resource Location*	http://www.oreilly.com/catalog/osfreesoft/book/
Main Category / Subcategory / (appl. or standard or ...)*	Introduction to Free Software and Open Standards / Basic Concepts and Philosophy
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Textbook
License*	CC by nd
Language(s)*	English
Format(s)*	PDF
Content Keywords*	Open Source Licensing, Copyright Law, MIT License, BSD License, Apache License, Academic Free License, GPL, LGPL, Mozilla License, Qt License, Artistic, and Creative Commons Licenses, Non-Open Source Licenses
Educational Level*	Degree
Expertise Level*	Intermediate
Previous knowledge*	Basic concepts about Free Software are required.
Brief Description*	A detailed analysis of the most relevant Free Software licenses.
Quality Assessment*	Very good.
SELF Integration*	Copies of chapters can be used as reference/complementary material.

ID*	
Title*	Razones por las que el Estado Debe Usar Software Libre
Author(s)*	Federico Heinz
Resource Location*	http://www.proposicion.org.ar/doc/razones.html
Main Category / Subcategory / (appl. or standard or ...)*	Introduction to Free Software and Open Standards / Basic Concepts and Philosophy
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Essay
License*	GFDL
Language(s)*	Spanish
Format(s)*	HTML
Content Keywords*	Software Libre, Estado, Dependencia tecnológica, Desarrollo local
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Not required
Brief Description*	Several reasons about why the State should only use Free Software

ID*	
Quality Assessment*	Very good
SELF Integration*	Link reference. Very interesting as a complementary material. Several activities can be developed around it.

2.2 History of Free Software and Open Standards

ID*	
Title*	The daemon, the gnu, and the penguin. A History of Free and Open Source
Author(s)*	Peter H. Salus
Resource Location*	http://www.groklaw.net/staticpages/index.php?page=20051013231901859
Main Category / Subcategory / (appl. or standard or ...)*	Introduction to Free Software and Open Standards / History of Free Software and Open Standards
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Textbook
License*	CC by nc nd
Language(s)*	English
Format(s)*	HTML
Content Keywords*	UUCP, USENET,BSD, CSRG, MINIX, OSF, GNU, GPL, Cygnus, USL, BTL, BSDI, Hurd, FUD
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Not strictly necessary.
Brief Description*	A chronological description of the main events and their founding concepts.
Quality Assessment*	Good.
SELF Integration*	A good book to teach history.

ID*	
Title*	Free As In Freedom – Richard Stallman's Crusade For Free Software
Author(s)*	Sam Williams
Resource Location*	http://www.oreilly.com/openbook/freedom/ ISBN: 0-596-00287-4 First ed. March 2002 O'Reilly and Associates, Inc, 1005 Gravenstein Highway North, Sebastopol, CA 95472
Main Category / Subcategory / (appl. or standard or ...)*	Introduction to Free Software and Open Standards / History of Free Software and Open Standards
Other Suitable Categories / Subcategories	-

ID*	
Type (Learning Object)*	Book
License*	GFDL
Language(s)*	English
Format(s)*	HTML, paper
Content Keywords*	Richard Stallman, GNU, FSF
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Not needed but appreciated.
Brief Description*	Compilation of Richard Stallman experiences.
Quality Assessment*	Good as a curiosity.
SELF Integration*	A link reference.

2.3 Free Software Development Models

ID*	
Title*	The Cathedral and The Bazaar
Author(s)*	Eric S. Raymond
Resource Location*	http://catb.org/esr/writings/cathedral-bazaar/ ISBN: 1-56592-724-9 First ed. October 1999 O'Reilly and Associates, Inc, 101 Morris Street, Sebastopol, CA 95472
Main Category / Subcategory / (appl. or standard or ...)*	Introduction to Free Software and Open Standards / Free Software Development Models
Other Suitable Categories / Subcategories	Introduction to Free Software and Open Standards / Free Software and Business Models
Type (Learning Object)*	Collection of Essays: A Brief History of Hackerdom, The Cathedral and the Bazaar, Homesteading the Noosphere, Homesteading the Noosphere, Homesteading the Noosphere
License*	OPL
Language(s)*	English, Bulgarian, Chinese (Big-5), Danish, Dutch, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Portuguese, Korean, Latvian, Romanian, Swedish, Tamil, Thai.
Format(s)*	XHTML, DocBook XML, PostScrip, paper
Content Keywords*	Open Source, Open Source history, cathedral model, bazaar model, fetchmail.
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Theoretically not needed, in practise some general knowledge will provide better understanding and let enjoy the details.
Brief Description*	Masterpiece of its field, many people considers The Cathedral and The Bazaar essay as the first and most notorious proposal of modelling the two most successful development methods of open source code.

ID*	
	The rest of essays are also interesting, at least from historic point of view, and good starting points to many other articles.
Quality Assessment*	Outstanding
SELF Integration*	A link reference. Some activities can be developed around these essays.

2.4 Free Software and Business Models

ID*	
Title*	Setting Up Shop: The Business of Open-Source Software
Author(s)*	Frank Hecker
Resource Location*	http://www.hecker.org/writings/setting-up-shop
Main Category / Subcategory / (appl. or standard or ...)*	Introduction to Free Software and Open Standards / Free Software and Business Models
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Paper
License*	Not specified
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Open Source development model, open-source development model, objections relating to Open Source, Netscape case
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Basic concepts regarding software development models are required.
Brief Description*	Open Source development model is presented as a viable option to commercial software companies to face the challenges in mid nineties fast-moving and competitive industry environment. The author was an employee of Netscape when this company publicly released the source code of Netscape Communicator 4.0.
Quality Assessment*	Little outdated but it is a reference article.
SELF Integration*	A link reference.

ID*	
Title*	Producing Open Source Software. How to Run a Successful Free Software Project
Author(s)*	Karl Fogel
Resource Location*	http://producingoss.com/
Main Category / Subcategory / (appl. or standard or ...)*	Introduction to Free Software and Open Standards / Free Software and Business Models
Other Suitable	-

ID*	
Categories / Subcategories	
Type (Learning Object)*	Textbook
License*	Creative Commons Attribution-ShareAlike License
Language(s)*	English
Format(s)*	HTML, PDF, XML, Paper
Content Keywords*	Licenses, version control, bug tracker,
Educational Level*	Degree
Expertise Level*	Initiation
Previous knowledge*	What free software is.
Brief Description*	is a book about the human side of open source development. It describes how successful projects operate, the expectations of users and developers, and the culture of free software.
Quality Assessment*	Very good.
SELF Integration*	Link, since it is licensed under Creative Commons Attribution-ShareAlike License

2.5 Others

3 Open standards

4 Office tools

4.1 Office suites

ID*	
Title*	OpenOffice.org2.x Getting Started Guide
Author(s)*	Several
Resource Location*	http://documentation.openoffice.org/manuals/oooauthors2/0100GS-GettingStarted.pdf
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Office suites
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	User guide
License*	GFDL
Language(s)*	English
Format(s)*	PDF
Content Keywords*	OpenOffice.org, Write, Calc, Draw, Impress, Base, Math, templates, styles
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Not required.
Brief Description*	First half: general info about OOo environment and dynamics. Second half:

ID*	
	'Getting Started' for Write, Calc, Draw, Impress, Base, Math, templates and styles
Quality Assessment*	Good resource to introduce the OOo suite to students. Also a good starting point to introduce the students to this kind of documentation.
SELF Integration*	Minimum efforts required. A link reference can be enough.

ID*	
Title*	OpenOffice.org2.x User Guide
Author(s)*	Several
Resource Location*	http://documentation.openoffice.org/manuals/OOo2.x/user_guide2_draft.pdf
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Office suites
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	User guide
License*	GFDL
Language(s)*	English
Format(s)*	PDF
Content Keywords*	OpenOffice.org, Write, Calc, Draw, Impress, Base, Math, templates, styles
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Not required.
Brief Description*	Accurate description of each component of the OOo suite. Write, Calc, Impress, Draw, DB & data sources, Advanced Techniques, OOo Basic & Macros, Math, Xfroms, Troubleshooting common problems.
Quality Assessment*	Canonical resource
SELF Integration*	Quite complicated since this guide is very long and covers in deep detail each aspect of the OOo suit. Better using each individual "User Guide" available for each component of the OOo suite.

ID*	
Title*	OpenOffice.org2.x Migration Guide
Author(s)*	Several
Resource Location*	http://documentation.openoffice.org/manuals/oooauthors2/0600MG-MigrationGuide.pdf
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Office suites
Other Suitable Categories / Subcategories	-

ID*	
Type (Learning Object)*	Guide
License*	GFDL
Language(s)*	English
Format(s)*	PDF
Content Keywords*	Styles and formatting, compatibility, sharing files, differences between OOo and Microsoft Office
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Basic knowledge about what an office suit is and its main features.
Brief Description*	This document intends to clarify doubts and questions about how difficult can be a migration from a commercial office suite to OOo.
Quality Assessment*	Good to clarify FUDs and to motivate people to try open source software.
SELF Integration*	Link

4.2 Word processors

ID*	
Title*	OpenOffice.org2.x Write Guide
Author(s)*	Several
Resource Location*	http://documentation.openoffice.org/manuals/oooauthors2/0200WG-WriterGuide.pdf
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / word processors
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	User Guide
License*	GFDL
Language(s)*	English
Format(s)*	PDF
Content Keywords*	Styles, formatting, printing, tables, graphics, templates, master documents,
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Basic knowledge about what a word processor is and its main features.
Brief Description*	A complete description of this OOo application. A must read document if one what to take advantage of the applications features.
Quality Assessment*	Reference documentation.
SELF Integration*	Minimum efforts required. A link reference can be enough.

ID*	
Title*	The KWord Handbook
Author(s)*	Mike McBride, Gary Cramblitt
Resource Location*	http://docs.kde.org/stable/en/koffice/kword/index.html
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Word processors
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Handbook
License*	GDFL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Templates, frames, tables, formulas, footnotes, endnotes.
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Basic knowledge about what a word processor is and its main features.
Brief Description*	Description of Kword features and how to do things with KWord.
Quality Assessment*	Not as good as "OpenOffice.org2.x Write Guide", possibly due to it is HTML framework
SELF Integration*	Not difficult.

ID*	
Title*	AbiWord User's Manual
Author(s)*	
Resource Location*	http://www.abisource.com/support/manual/
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Word processors
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	User's Manual
License*	GDFL
Language(s)*	English, French, Polish
Format(s)*	HTML
Content Keywords*	
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Basic knowledge about what a word processor is and its main features.
Brief Description*	This manual contents an introduction, a tutorial, a HowTo section and some chapters of more specific information.

ID*	
Quality Assessment*	Ok
SELF Integration*	Not difficult.

4.3 Spreadsheets

ID*	
Title*	The Gnumeric Manual
Author(s)*	
Resource Location*	http://www.gnome.org/projects/gnumeric/doc/gnumeric.shtml
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Spreadsheets
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	
License*	GFDL
Language(s)*	Englis
Format(s)*	HTML
Content Keywords*	Data, external data, cells, complex cells, graphing, printing, sheets
Educational Level*	Seconadary
Expertise Level*	Advanced
Previous knowledge*	Basic knowledge about what a spreadsheets is and its main features.
Brief Description*	Gnumeric Manual
Quality Assessment*	Easy to follow
SELF Integration*	Easy

ID*	
Title*	Gnumeric functions
Author(s)*	-
Resource Location*	http://www.gnome.org/projects/gnumeric/functions.shtml
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Spreadsheets
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Reference book
License*	GFDL
Language(s)*	English
Format(s)*	HTML

ID*	
Content Keywords*	Gnumeric functions
Educational Level*	Seconadary
Expertise Level*	Advanced
Previous knowledge*	Basic knowledge about what a spreadsheets is and its main features.
Brief Description*	Gnumeric functions description
Quality Assessment*	OK
SELF Integration*	Just a link

ID*	
Title*	The KSpread Handbook
Author(s)*	Pamela Roberts, Anne-Marie Mahfouf, and Gary Cramblitt
Resource Location*	http://docs.kde.org/stable/en/koffice/kspread/kspread.pdf
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Spreadsheets
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Handbook
License*	GFDL
Language(s)*	English
Format(s)*	PDF, HTML
Content Keywords*	Formulae, external data, linking cells,
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	Basic knowledge about what a spreadsheets is and its main features.
Brief Description*	KSpread official handbook
Quality Assessment*	Easy to understand
SELF Integration*	Link

4.4 Presentation applications

ID*	
Title*	Quickstart Guide for Impress:
Author(s)*	Linda Worthington, Jean Hollis Weber, Tim Kampa
Resource Location*	http://documentation.openoffice.org/manuals/oooauthors2/0501IG-QuickstartGuideForImpress.pdf
Main Category / Subcategory / (appl. or	Office tools / Presentation applicatons

ID*	
standard or ...)*	
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Manual
License*	GFDL
Language(s)*	English
Format(s)*	PDF
Content Keywords*	Formatting a presentation, slides
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Basic knowledge about what a presentation tool is and its main features.
Brief Description*	Short introduction to OOo Impress (Almost the same info can be found in the OOo User Guide)
Quality Assessment*	Short but useful
SELF Integration*	Link

ID*	
Title*	The KPresenter Handbook
Author(s)*	Neil Lucock, Krishna Tateneni, Anne-Marie Mahfouf, and Gary Cramblitt
Resource Location*	http://docs.kde.org/stable/en/koffice/kpresenter/kpresenter.pdf
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Presentation applications
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Handbook
License*	GFDL
Language(s)*	English
Format(s)*	HTML, PDF
Content Keywords*	Formatting a presentation, slides
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Basic knowledge about what a presentation tool is and its main features.
Brief Description*	KPresenter official handbook
Quality Assessment*	Ok
SELF Integration*	Link

4.5 Database systems

ID*	
Title*	The Kexi Handbook
Author(s)*	Martin A. Ellis, Jaroslaw Staniek
Resource Location*	http://docs.kde.org/development/en/koffice/kexi/
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Database systems
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Handbook
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Database tables design, forms, queries, reports.
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	Basic knowledge about what a relational database system is and its main features.
Brief Description*	Description of Kexi features following the KDE short documentation style
Quality Assessment*	OK
SELF Integration*	Link

4.6 Graphics suites

ID*	
Title*	OpenOffice.org2.x Draw Guide
Author(s)*	Several
Resource Location*	http://documentation.openoffice.org/manuals/oooauthors2/0400DG-DrawGuide.pdf
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Graphics suites
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	User guide
License*	GFDL
Language(s)*	English
Format(s)*	PDF
Content Keywords*	Shapes, object edition, 3D objects, Bitmaps, multiobjects.
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Not required.

ID*	
Brief Description*	A complete description of this OOo application. A must read document if one what to take advantage of the applications features.
Quality Assessment*	Reference documentation.
SELF Integration*	Minimum efforts required. A link reference can be enough.

4.7 Diagram tools

ID*	
Title*	The KChart Handbook
Author(s)*	Jonathan Drews, Raphael Langerhorst
Resource Location*	http://docs.kde.org/development/en/koffice/kchart/
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Diagram tools
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Handbook
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Chart type, KChart in KSpread
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	Basic knowledge about what a diagram tool is and its main features.
Brief Description*	Description of KChart features following the KDE short documentation style
Quality Assessment*	OK
SELF Integration*	Link

4.8 Formulas

ID*	
Title*	The KFormula Handbook
Author(s)*	Jonathan Drews, Anne-Marie Mahfouf, Alfredo Beaumont Sainz
Resource Location*	http://docs.kde.org/development/en/koffice/kformula/
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Formulas
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Handbook

ID*	
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Formulae editing, definite integrals, positioning indices
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	Basic knowledge about what a formula editing tool is and its main features.
Brief Description*	Description of KFormula features following the KDE short documentation style
Quality Assessment*	OK
SELF Integration*	Link

4.9 Flowcharts

4.10 Reports

ID*	
Title*	The Kugar Handbook
Author(s)*	Alexander Dymo, Phil Thompson
Resource Location*	http://docs.kde.org/development/en/koffice/kugar/
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / Reports
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Handbook
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Report template, report data file, report generation
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	Basic knowledge about what a report generating tool is and its main features.
Brief Description*	Description of KFormula features following the KDE short documentation style
Quality Assessment*	OK
SELF Integration*	Link

4.11 Others

ID*	
Title*	The Not So Short Introduction To LaTeX2e
Author(s)*	Tobias Oetiker, Hubert Partl, Irene Hyna and Elisabeth Schlegl
Resource Location*	http://www.ctan.org/tex-archive/info/lshort/english/lshort.pdf
Main Category / Subcategory / (appl. or standard or ...)*	Office tools / LaTeX (Others)
Other Suitable Categories / Subcategories	Office tools / Word processors Office tools / Formulas
Type (Learning Object)*	Guide
License*	GPL
Language(s)*	English
Format(s)*	PDDF
Content Keywords*	Basic documents structure, typesetting, typeset formulae, indexes, bibliography, graphics
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	Basic knowledge about what a word processor tool is and its main features.
Brief Description*	A good and short introduction to LaTeX. Some introductory lessons can be required before reading it. It can also be a good reference material.
Quality Assessment*	Good. There is also many other sources of information.
SELF Integration*	Link

5 Communication tools
5.1 Suites
- Mozilla (Navigator, Mail & Newsgroups, Composer, ChatZilla)

ID*	
Title*	A Guide to Mozilla 1.0
Author(s)*	Unknow
Resource Location*	http://www.mozilla.org/start/1.0/guide/
Main Category / Subcategory / (appl. or standard or ...)*	Communication tools / Suites
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	User Guide
License*	Unknow
Language(s)*	English
Format(s)*	HMTL
Content Keywords*	Mozilla application suite, Mozilla toolkit, Mozilla appearance, troubleshooting

ID*	
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Basic knowledge about what a communication suite tool is and its main features.
Brief Description*	Short description of Mozilla applications features, but enough information to use them.
Quality Assessment*	OK
SELF Integration*	Link

ID*	
Title*	Mozilla 1.0 Frequently Asked Questions
Author(s)*	Unknow
Resource Location*	http://www.mozilla.org/start/1.0/faq/index.html
Main Category / Subcategory / (appl. or standard or ...)*	Communication tools / Suites
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	FAQ
License*	Unknow
Language(s)*	English
Format(s)*	HTML
Content Keywords*	General, browser, mail/news, composer, address book, user profiles, Mozilla's appearance, troubleshooting
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Basic knowledge about what a communication suite tool is and its main features.
Brief Description*	Mozilla's official FAQ
Quality Assessment*	OK.
SELF Integration*	Link

5.2 Web clients
- Mozilla FireFox, Epiphany, Konqueror, Galeon, Flock, Lynx

ID*	
Title*	An introduction to Mozilla Firefox
Author(s)*	Unknown
Resource Location*	http://opensourcearticles.com/introduction_to_firefox
Main Category / Subcategory / (appl. or standard or ...)*	Communication tools / Web clients

ID*	
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Tutorial
License*	Pending
Language(s)*	English, French, Norwegian, Dutch, Japanese, Persian, EU Portuguese, Hungarian
Format(s)*	HTML
Content Keywords*	Installation, configuration, tabs, shortcuts, popups, bookmarks.
Educational Level*	Primary
Expertise Level*	Intermediate
Previous knowledge*	Basic knowledge about what a web client is and its main features.
Brief Description*	Pending
Quality Assessment*	Pending
SELF Integration*	Link

5.3 Mail user agents (MUA or E-mail Clients)
- Mozilla ThunderBird, Kmail, Mutt, Gnus (Emacs plugin)

ID*	
Title*	Introduction to Mozilla Thunderbird
Author(s)*	Unknown
Resource Location*	http://opensourcearticles.com/articles/introduction_to_thunderbird
Main Category / Subcategory / (appl. or standard or ...)*	Communication tools / Mail user agents
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Tutorial
License*	Pending
Language(s)*	English, french, norwegian, german, dutch, spanish, italian, japanese, simplified chinese.
Format(s)*	HTML
Content Keywords*	Installation, configuration, account setup, signature, attachments,
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Basic knowledge about what a mail client is and its main features.
Brief Description*	Pending
Quality Assessment*	Pending
SELF Integration*	Link

ID*	
Title*	http://docs.kde.org/development/en/kdepim/kmail/
Author(s)*	Daniel Naber, David Rugge
Resource Location*	http://docs.kde.org/development/en/kdepim/kmail/
Main Category / Subcategory / (appl. or standard or ...)*	Communication tools / Mail user agents
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Handbook
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Installation, configuration, account setup, signature, attachments,
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Basic knowledge about what a mail client is and its main features.
Brief Description*	Pending
Quality Assessment*	Pending
SELF Integration*	Link

5.4 Instant messengers and IRC clients
 • ChatZilla, gaim, Xchat, BitchX, ScrollZ

ID*	
Title*	Introduction to Gaim
Author(s)*	Pending
Resource Location*	http://opensourcearticles.com/articles/introduction_to_gaim
Main Category / Subcategory / (appl. or standard or ...)*	Communication tools / Instant messengers
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Manual
License*	Pending
Language(s)*	English
Format(s)*	HTML
Content Keywords*	MSN, ICQ, IRC, Yahoo
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Basic knowledge about what a instant messengers client is and its main features.

ID*	
Brief Description*	Pending
Quality Assessment*	Pending
SELF Integration*	Link

5.5 File transfer clients
- lftp, scp, wget

5.6 Others

6 GNU/Linux
6.1 Distributions and metadistributions

ID*	
Title*	
Author(s)*	Several
Resource Location*	http://en.wikipedia.org/wiki/Linux_distribution http://en.wikipedia.org/wiki/Comparison_of_Linux_distributions http://en.wikipedia.org/wiki/List_of_Linux_distributions
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Distributions and metadistributions
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Article
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Linux distributions
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Not required
Brief Description*	Wikipedia articles about Linux distributions
Quality Assessment*	Good
SELF Integration*	Link

6.2 Technical concepts (subcategories are needed!!!!)
6.2.1 tFilesystem hierarchy standard
6.2.2 Standardisation
6.3 User environment

ID*	
Title*	The Linux Cookbook: Tips and Techniques for Everyday Use
Author(s)*	

ID*	
Resource Location*	http://dsl.org/cookbook/cookbook_toc.html
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / User environment
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Cookbook
License*	GFDL
Language(s)*	English
Format(s)*	HMTL
Content Keywords*	Pending
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	Basic knowledge about Unix and computing in general.
Brief Description*	Pending
Quality Assessment*	Good
SELF Integration*	Lnik

ID*	
Title*	Introduction to Linux A Hands on Guide
Author(s)*	Machtelt Garrels
Resource Location*	http://tille.xalasys.com/training/tldp/
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / User environment
Other Suitable Categories / Subcategories	GNU/Linux / Unix command line programmes
Type (Learning Object)*	Textbook
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Basic knowledge about what Unix is and its featrues.
Brief Description*	Pending
Quality Assessment*	Pending
SELF Integration*	Link

6.4 Unix command line Programmes

ID*	
Title*	GNU/Linux Command-Line Tools Summary
Author(s)*	Gareth Anderson
Resource Location*	http://www.tldp.org/LDP/GNU-Linux-Tools-Summary/html/index.html
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Unix command line programmes
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Textbook
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Basic knowledge about what Unix is and its featrues.
Brief Description*	Pending
Quality Assessment*	Pending
SELF Integration*	Link

6.5 Shells and shell programming

ID*	
Title*	Bash Guide for Beginners
Author(s)*	Machtelt Garrels
Resource Location*	http://tille.xalasys.com/training/bash/
Main Category / Subcategory / (appl. or standard or ...)*	GNU Linux / Shells and shell programming
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Textbook
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Bash, expressions, functions, built-in functions, commands,
Educational Level*	Secondary

ID*	
Expertise Level*	Intermediate
Previous knowledge*	Basic UNIX knowledge.
Brief Description*	A good introduction to bash shell scripting.
Quality Assessment*	Very good.
SELF Integration*	Link.

ID*	
Title*	Advanced Bash-Scripting Guide
Author(s)*	Mendel Cooper
Resource Location*	http://tldp.org/LDP/abs/html/
Main Category / Subcategory / (appl. or standard or ...)*	GNU Linux / Shells and shell programming
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Guide
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Bash, expressions, functions, built-in functions, commands,
Educational Level*	Degree
Expertise Level*	Intermediate
Previous knowledge*	General knowledge about UNIX-like systems and shell scripting basics
Brief Description*	A masterpiece of the bash shell scripting art. Not meant for beginners.
Quality Assessment*	Masterpiece.
SELF Integration*	Link

ID*	
Title*	Bash Guide for Beginners
Author(s)*	Machtelt Garrels
Resource Location*	http://www.tldp.org/LDP/Bash-Beginners-Guide/html/index.html
Main Category / Subcategory / (appl. or standard or ...)*	GNU Linux / Shells and shell programming
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Guide
License*	GFDL

ID*	
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Bash, expressions, functions, built-in functions, commands,
Educational Level*	Degree
Expertise Level*	Initiation
Previous knowledge*	Basic UNIX knowledge.
Brief Description*	A good introduction to bash shell scripting.
Quality Assessment*	Very good.
SELF Integration*	Link.

ID*	
Title*	Bourne Shell Scripting
Author(s)*	Wikibooks
Resource Location*	http://en.wikibooks.org/wiki/Bourne_Shell_Scripting
Main Category / Subcategory / (appl. or standard or ...)*	GNU Linux / Shells and shell programming
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Wikibook
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Bash, expressions, functions, built-in functions, commands,
Educational Level*	Degree
Expertise Level*	Initiation
Previous knowledge*	Basic Unix background.
Brief Description*	Short introduction to the bash shell scripting.
Quality Assessment*	Good
SELF Integration*	Link

6.6 Scripting languages
- Perl, PHP, Python
6.7 Administration

ID*	
Title*	Securing and Optimizing Linux
Author(s)*	Gerhard Mourani
Resource Location*	http://www.andamooka.org/index.pl?section=secopt

ID*	
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Administration
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Textbook
License*	
Language(s)*	
Format(s)*	
Content Keywords*	
Educational Level*	
Expertise Level*	
Previous knowledge*	
Brief Description*	
Quality Assessment*	
SELF Integration*	

ID*	
Title*	Linux Documentation Project
Author(s)*	Olaf Kirch,Terry Dawson
Resource Location*	http://www.oreilly.com/catalog/linag2/book/ch00.html
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Administration
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Textbook
License*	Linux Documentation Project licence
Language(s)*	English
Format(s)*	PDF
Content Keywords*	
Educational Level*	
Expertise Level*	
Previous knowledge*	
Brief Description*	
Quality Assessment*	
SELF Integration*	

6.7.1 Local administration

6.7.1.1 Package management
- alien, apt, debconf, dpkg, darkconf, emerge, pacman, portage, rpm, Synaptic, rpm, YaST, yum

6.7.2 Networking

ID*	
Title*	Network Administration
Author(s)*	Hamish Whittal
Resource Location*	http://learnlinux.tsf.org.za/courses/build/net-admin/index.html
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Administration / Networking
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Textbook
License*	CC by attribution share alike
Language(s)*	English
Format(s)*	HTML, PDF
Content Keywords*	Networking, TCP/IP
Educational Level*	Degree
Expertise Level*	Initiation
Previous knowledge*	Feel comfortable using Unix-like systems.
Brief Description*	
Quality Assessment*	Very good
SELF Integration*	Link

6.7.3 Services
6.7.3.1 Printing

ID*	
Title*	CUPS documentation centre
Author(s)*	Several
Resource Location*	http://www.cups.org/documentation.php
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Services / Printing
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Pending
License*	Pending
Language(s)*	Pending
Format(s)*	Pending

ID*	
Content Keywords*	Pending
Educational Level*	Pending
Expertise Level*	Pending
Previous knowledge*	Pending
Brief Description*	Pending
Quality Assessment*	Pending
SELF Integration*	Pending

6.7.3.2 Secure shell
- sshd

6.7.3.3 Web servers
- Apache

6.7.3.4 Mail transfer agents (MTAs or E-mail servers)
- Exim, Postfix, Qmail, Sendmail, and many others

6.7.3.5 Mail delivery agents (MDA or E-mail filters)
- Procmail, maildrop, SpamAssasin, Bogofilter, and many others

6.7.3.6 File transfer servers
- ftpd

6.7.3.7 Version control

ID*	
Title*	Open Source Development with CVS
Author(s)*	Karl Fogel, Moshe Bar
Resource Location*	http://cvsbook.red-bean.com/
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Version control
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Textbook
License*	GFDL
Language(s)*	English
Format(s)*	HTML, PDF
Content Keywords*	Pending
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	General Unix concepts.
Brief Description*	Pending
Quality Assessment*	Pending
SELF Integration*	Pending

6.7.3.8 Database systems
- PostgreSQL, MySQL, and others

6.7.3.9 Others

6.8 Graphical system

6.8.1 Xservers
- Xorg, Xserver

6.8.2 Xlib
- Xlib

6.8.3 Window managers
- twm, Window Maker, Enlightenment, IceWM, Metacity, Blackbox, Waimea, and many many others

6.8.4 Display managers
- xdm, gdm, kdm, wdm

6.8.5 Session managers
- xsm, gnome-session, ksmserver

6.8.6 Desktop managers

ID*	
Title*	Desktop User Guide
Author(s)*	Sun GNOME Documentation Team, Shaun McCance, Karderio, Joachim Noreiko, Daniel Espinosa Ortiz, Brent Smith, Tim Littlemore, John Stowers, Nigel Tao
Resource Location*	http://www.gnome.org/learn/users-guide/latest/
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Graphical system / Desktop managers
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	User guide
License*	GFDL
Language(s)*	English
Format(s)*	HTML, PDF
Content Keywords*	Desktop, desktop session, panels, Nautilus,
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Basic knowledge about comuting.
Brief Description*	The official user guide
Quality Assessment*	Very good
SELF Integration*	Link

ID*	
Title*	GNOME 2.14 Desktop System Administration Guide
Author(s)*	Brent Smith, Sun GNOME Documentation Team
Resource Location*	http://www.gnome.org/learn/admin-guide/latest/

ID*	
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Graphical system / Desktop managers
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Administration guide
License*	GFDL
Language(s)*	English
Format(s)*	HTML, PDF
Content Keywords*	GConf, customizing menus, themes, fonts configuration, MIME, sesion management
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	Feel comfortable using Gnome as standard user.
Brief Description*	The official administration guide
Quality Assessment*	Very good
SELF Integration*	Link

ID*	
Title*	An Introduction to KDE
Author(s)*	The KDE Team
Resource Location*	http://docs.kde.org/development/en/kdebase/quickstart/index.html
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Graphical system / Desktop managers
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	User guide
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Panel, Kicker, context menus, task bars, virtual desktops, Konqueror, desktop configuration
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Basic knowledge about computing.
Brief Description*	The official introduction guide
Quality Assessment*	Very good
SELF Integration*	Link

ID*	
Title*	The KDE User Guide
Author(s)*	The KDE Documentation Team
Resource Location*	http://docs.kde.org/development/en/kdebase/userguide/index.html
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Graphical system / Desktop managers
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	User guide
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Panel, desktop, Kicker, KDE control centre, networking, Internet, office, administrators,
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Basic knowledge about computing.
Brief Description*	The official user guide
Quality Assessment*	Very good
SELF Integration*	Link

ID*	
Title*	KDE Frequently Asked Questions
Author(s)*	The KDE Team
Resource Location*	http://docs.kde.org/development/en/kdebase/faq/index.html
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Graphical system / Desktop managers
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	FAQ
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Getting KDE, installation, panel, desktop, file manager, konqueror, KDE applications, troubleshooting, asking questions
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	Basic knowledge about computing.

ID*	
Brief Description*	The official user guide
Quality Assessment*	Very good
SELF Integration*	Link

ID*	
Title*	KDE for System Administrators
Author(s)*	The KDE Team
Resource Location*	http://www.kde.org/areas/sysadmin/
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Graphical system / Desktop managers
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Administration guide
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	File System Hierarchy, configuration files, login manager, startup, environment variables, Kiosk, desktop sharing
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	Feel comfortable using KDE as standard user.
Brief Description*	The official administration guide
Quality Assessment*	Very good
SELF Integration*	Link

6.8.7 Toolkits
- GTK+, Qt, GNUstep, LessTiff, WINGs

6.8.8 Others

6.9 Specific applications

6.9.1 Text editors

ID*	
Title*	GNU Emacs Manual
Author(s)*	Richard Stallman
Resource Location*	http://www.gnu.org/software/emacs/manual/emacs.html
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Specific applications / Text editors
Other Suitable	-

ID*	
Categories / Subcategories	
Type (Learning Object)*	Manual
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Pending
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	What a text editor is.
Brief Description*	The Emacs official manual
Quality Assessment*	Very good
SELF Integration*	Link

ID*	
Title*	GNU Emacs FAQ
Author(s)*	Unkown
Resource Location*	http://www.gnu.org/software/emacs/emacs.html#HelpFAQ
Main Category / Subcategory / (appl. or standard or ...)*	GNU/Linux / Specific applications / Text editors
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	FAQ
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Pending
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	What a text editor is.
Brief Description*	The Emacs official FAQ
Quality Assessment*	Very good
SELF Integration*	Link

6.9.2 Software development tools
- GNU Compiler Collection (gcc), GNU Debugger (gdb), GNU Binary Utilities (binutils), and many others

6.9.3 Format converters

6.9.3.1 Graphics

- ImageMagick

    6.9.3.2 Documents
- X2Y (like ps2pdf)

   6.9.4 CD/DVD Toasters
- GnomeBaker, K3b, cdrkit

   6.9.5 File managers
- Nautilus, GNOME Commander, Konqueror, Krusader, Gentoo file manager, Midnight Commander

   6.9.6 Boot loaders
- GRUB, lilo, yaboot, and others

   6.9.7 Virtualisation
- Xen, qemu, and others

   6.9.8 Others

  6.10 Others

7 Other operating systems

ID*	
Title*	The NetBSD Guide
Author(s)*	Federico Lupi and others
Resource Location*	http://www.netbsd.org/guide/en/
Main Category / Subcategory / (appl. or standard or ...)*	Other operating systems / BSD-like operating systems
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Guide
License*	Copyrighted?
Language(s)*	English
Format(s)*	HTML
Content Keywords*	BSD, mach
Educational Level*	Degree
Expertise Level*	Intermediate
Previous knowledge*	Basic Unix background.
Brief Description*	NetBSD official guide
Quality Assessment*	Authoritive
SELF Integration*	Link

7.1 BSD-like operating systems

ID*	
Title*	A Neutral Look at Operating Systems
Author(s)*	Wikibooks

ID*	
Resource Location*	http://en.wikibooks.org/wiki/A_Neutral_Look_at_Operating_Systems
Main Category / Subcategory / (appl. or standard or ...)*	Other operating systems / BSD-like operating systems
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Wikibook
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Operating systems
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Basic knowledge about what an OS is.
Brief Description*	And exhaust list of the operating systems available
Quality Assessment*	Good.
SELF Integration*	Link

ID*	
Title*	OpenBSD FAQ
Author(s)*	Unknown
Resource Location*	http://www.openbsd.org/faq/index.html
Main Category / Subcategory / (appl. or standard or ...)*	Other operating systems / BSD-like operating systems
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	FAQ
License*	Unknown
Language(s)*	English
Format(s)*	HTML
Content Keywords*	BSD, mach
Educational Level*	Degree
Expertise Level*	Intermediate
Previous knowledge*	Basic Unix background.
Brief Description*	OpenBSD official FAQ
Quality Assessment*	Authoritive
SELF Integration*	Link

ID*	
Title*	FreeBSD Handbook
Author(s)*	The FreeBSD Documentation Project
Resource Location*	http://www.freebsd.org/doc/en_US.ISO8859-1/books/handbook/
Main Category / Subcategory / (appl. or standard or ...)*	Other operating systems / BSD-like operating systems
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Handbook
License*	Copyrighted?
Language(s)*	English
Format(s)*	HTML
Content Keywords*	BSD, mach
Educational Level*	Degree
Expertise Level*	Intermediate
Previous knowledge*	Basic Unix background.
Brief Description*	FreeBSD official Handbook
Quality Assessment*	Authoritive
SELF Integration*	Link

7.2 Hurd
7.3 Others

8   Educational software
    8.1 Educational distributions
       • Edubuntu, EduLinux, Freeduc-cd
    8.2 Educational media authoring
       • Squeak
    8.3 Training software
       • Tuxtype, gcompri
    8.4 Educational applications
      8.4.1 Scientific applications and libraries
        • GNU octave, Maxima, units, GNU PSPP

ID*	
Title*	GNU Octave Manual
Author(s)*	John Eton
Resource Location*	http://www.gnu.org/software/octave/doc/interpreter/
Main Category / Subcategory / (appl. or standard or ...)*	Educational software / Educational applicatons
Other Suitable	-

ID*	
Categories / Subcategories	
Type (Learning Object)*	Manual
License*	Copyright (C) 1996, 1997 John W. Eaton. Permission is granted to make and distribute verbatim copies.
Language(s)*	English
Format(s)*	HTML
Content Keywords*	GNU Octave, command line, executable programs, data types, data structures, expressions, statements, functions
Educational Level*	Degree
Expertise Level*	Initiation
Previous knowledge*	Not necessary.
Brief Description*	The GNU Octave authoritative manual. Technical info.
Quality Assessment*	The GNU Octave authoritative manual.
SELF Integration*	Pending

8.4.2 Specific applications
    8.4.2.1 Mathematics
       •   Euler, Xaos, FreeMat
    8.4.2.2 Physics
       •   Celestia, Kstars, Stellarium
    8.4.2.3 Chemistry
       •   Ghemical, E-Cell System, EasyChem, Gperiodic,
    8.4.2.4 Biology
    8.4.2.5 Computer-Aided Design (CAD)

ID*	
Title*	QCad User Reference Manual
Author(s)*	Unkown, licensed by Andrew Mustun
Resource Location*	http://www.ribbonsoft.com/qcad/manual_reference/
Main Category / Subcategory / (appl. or standard or ...)*	Educational software / Specific applications / Computer-Aided Design
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Reference manual
License*	GFDL
Language(s)*	English
Format(s)*	HTML, PDF
Content Keywords*	CAD for uninitiateds, entities, layers, blocks
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	What a CAD tool is and what it is for.

ID*	
Brief Description*	Reference manual. Very pedagogic.
Quality Assessment*	Very good
SELF Integration*	Link

ID*	
Title*	QCad FAQ
Author(s)*	Unkown
Resource Location*	http://www.ribbonsoft.com/qcad_doc_faq.html
Main Category / Subcategory / (appl. or standard or ...)*	Educational software / Specific applications / Computer-Aided Design
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	FAQ
License*	Unkown
Language(s)*	English
Format(s)*	HTML
Content Keywords*	DWG, ordering, platform
Educational Level*	Secondary
Expertise Level*	Advanced
Previous knowledge*	What a CAD tool is and what it is for.
Brief Description*	Official FAQ
Quality Assessment*	Very good
SELF Integration*	Link

8.4.2.6 Others
8.4.3 Others
8.5 Others

9 Enterprise software
9.1 Project management

ID*	
Title*	The KPlato Handbook
Author(s)*	Raphael Langerhorst, Anne-Marie Mahfouf
Resource Location*	http://docs.kde.org/development/en/koffice/kplato/index.html
Main Category / Subcategory / (appl. or standard or ...)*	Enterprise software / Project management
Other Suitable Categories / Subcategories	-

ID*	
Type (Learning Object)*	Handbook
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Gantt charts, Work Breakdown Structure (WBS), floats, tasks, resources, calendars, milestones, critical paths, scheduling
Educational Level*	Degree
Expertise Level*	Initiation
Previous knowledge*	Theoretical knowledge about what a project management tool is and its main features.
Brief Description*	Kplato official handbook
Quality Assessment*	Good enough
SELF Integration*	Link

9.2 Personal information managers
9.3 Collaborative software (Groupware)
- eGroupWare, Zimbra, Citadel, Exchange4Linux, Scalix, and many others

9.4 Enterprise resource planners (ERPs)
- Adempiere, Compiere, GNU Enterprise (planner subproject), openbravo, Fisterra, Apache OFBiz

9.5 Content Management System (CMSs)
- Epiware, Drupal, Mambo, MediaWiki, OpenCms, and many others

9.6 Costumer Relationship Management (CRM)
9.7 Software development management system
9.8 Others

10 Multimedia software
10.1 Audio

ID*	
Title*	Audacity Reference
Author(s)*	Anthony Oetzmann, Dominic Mazzoni
Resource Location*	http://audacity.sourceforge.net/manual-1.2
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / Audio
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Reference manual
License*	GPL (confirmation pending)
Language(s)*	English
Format(s)*	HTML

ID*	
Content Keywords*	Audacity, audio edition, digital audio
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	None
Brief Description*	User's manual useful both for beginners and advanced users
Quality Assessment*	Very good
SELF Integration*	Pending

ID*	
Title*	Snd manual
Author(s)*	Bill Schottstaedt (bil@ccrma.stanford.edu)
Resource Location*	http://ccrma.stanford.edu/software/snd/snd/snd.html
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / Audio
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Reference manual
License*	GPL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Snd, audio edition, digital audio
Educational Level*	Degree
Expertise Level*	Advanced
Previous knowledge*	Digital audio editing basics, text console
Brief Description*	Very complete manual for advanced users
Quality Assessment*	Good
SELF Integration*	Pending

ID*	
Title*	Ardour Manual
Author(s)*	Unknown
Resource Location*	http://www.ardour.org/manual
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / Audio
Other Suitable Categories / Subcategories	-

ID*	
Type (Learning Object)*	Reference manual
License*	Unknown
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Ardour, audio edition, digital audio
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Digital audio editing basics
Brief Description*	Partially incomplete user's manual for intermediate users
Quality Assessment*	Incomplete
SELF Integration*	Pending

ID*	
Title*	CLAM release 0.7.0 user and development documentation
Author(s)*	Unknown
Resource Location*	http://clam.iua.upf.edu/doc/ReleaseDocumentation-html/
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / Audio
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Reference manual
License*	GFDL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	CLAM, audio application development, multiplatform
Educational Level*	Degree
Expertise Level*	Intermediate
Previous knowledge*	O.O. C++ programming, audio processing, DSP basics
Brief Description*	Documentation for users and developers with many practical examples.
Quality Assessment*	Very good
SELF Integration*	Pending

ID*	
Title*	CLAM Application tutorials
Author(s)*	Unknown
Resource Location*	http://clam.iua.upf.edu/doc

ID*	
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / Audio
Other Suitable Categories / Subcategories	-
Type (Learning Object)*	Tutorial
License*	Unknown
Language(s)*	English
Format(s)*	HTML
Content Keywords*	CLAM, audio application development, Music Annotator, Network Editor + Prototyper, SMSTools
Educational Level*	Degree
Expertise Level*	Intermediate
Previous knowledge*	Audio processing, DSP basics
Brief Description*	Short tutorials on the CLAM applications: Music Annotator, Network Editor + Prototyper and SMSTools
Quality Assessment*	Very good
SELF Integration*	Pending

ID*	
Title*	AGNULA tutorials
Author(s)*	Dave Phillips
Resource Location*	http://www.agnula.org/documentation/dp_tutorials
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / Audio
Other Suitable Categories / Subcategories	GNU/Linux / Distributions and metadistributions
Type (Learning Object)*	Tutorial
License*	Unknown
Language(s)*	English
Format(s)*	HTML
Content Keywords*	AGNULA, Demudi, Rehmudi, audio processing
Educational Level*	Degree
Expertise Level*	Intermediate
Previous knowledge*	Audio processing, DSP basics
Brief Description*	Collection of tutorials on the AGNULA applications, progressing from the basics to more advanced topics. Includes exercises on each tutorial.
Quality Assessment*	Very good
SELF Integration*	Pending

10.2 Video

ID*	
Title*	Secrets of Cinelerra
Author(s)*	Unknown
Resource Location*	http://www.heroinewarrior.com/cinelerra/cinelerra.html
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / Video
Other Suitable Categories / Subcategories	Multimedia software / media authoring
Type (Learning Object)*	Reference manual
License*	Unknown
Language(s)*	English
Format(s)*	HTML, Texinfo
Content Keywords*	Cinelerra, video edition
Educational Level*	Degree
Expertise Level*	Intermediate
Previous knowledge*	Digital video editing basics, multimedia in Unix-like operating systems
Brief Description*	Very complete manual of Cinelerra (heroinewarrior.com version)
Quality Assessment*	Good
SELF Integration*	Pending

10.3 Animation

ID*	
Title*	Blender y Yafray. Diseño Gráfico 3D con Software Libre
Author(s)*	Carlos González Morcillo
Resource Location*	http://mtraker.gmbros.net/archivos/24hBlenderYafray.pdf
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / Animation
Other Suitable Categories / Subcategories	Multimedia software / 3D Graphics
Type (Learning Object)*	Textbook
License*	CC-nd-nc-by
Language(s)*	Spanish
Format(s)*	PDF
Content Keywords*	Blender 3D, Yafray, 3D animation

ID*	
Educational Level*	Degree
Expertise Level*	Intermediate
Previous knowledge*	3D animation basics, some complementary materials required
Brief Description*	Blender & Yafray. 3D Graphic Design with Free Software. Textbook used in the *Animation for communication* class of the Castilla-La Mancha Technical University
Quality Assessment*	Good
SELF Integration*	Pending

ID*	
Title*	Blender 3D: Noob to Pro
Author(s)*	Several (see http://en.wikibooks.org/wiki/Blender_3D:_Noob_to_Pro#Authors)
Resource Location*	http://en.wikibooks.org/wiki/Blender_3D:_Noob_to_Pro
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / Animation
Other Suitable Categories / Subcategories	Multimedia software / 3D Graphics
Type (Learning Object)*	Tutorial
License*	GFDL
Language(s)*	English (several translations in progress)
Format(s)*	HTML, PDF
Content Keywords*	Blender 3D, 3D animation
Educational Level*	Secondary
Expertise Level*	Initiation
Previous knowledge*	
Brief Description*	A very complete collection of tutorials on Blender, progressing from initiation to intermediate level
Quality Assessment*	Good
SELF Integration*	Pending

ID*	
Title*	Blender User's Manual
Author(s)*	Unknown
Resource Location*	http://mediawiki.blender.org/index.php/Manual
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / Animation

ID*	
Other Suitable Categories / Subcategories	Multimedia software / 3D Graphics
Type (Learning Object)*	User's Guide
License*	Open Content License
Language(s)*	English (several translations in progress)
Format(s)*	HTML
Content Keywords*	Blender 3D, 3D animation
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	
Brief Description*	Collectively developed user's guide
Quality Assessment*	Good
SELF Integration*	Pending

10.4 2D Graphics

ID*	
Title*	The Gimp Documentation
Author(s)*	Several (see http://docs.gimp.org/en/pr01.html#gimp-team)
Resource Location*	http://docs.gimp.org/download.html
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / 2D Graphics
Other Suitable Categories / Subcategories	Office tools / Graphic suites
Type (Learning Object)*	User Manual
License*	GFDL
Language(s)*	English (several translations in progress)
Format(s)*	HTML, PDF
Content Keywords*	Gimp, image manipulation
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	
Brief Description*	Full documentation of Gimp
Quality Assessment*	Very good
SELF Integration*	Pending

ID*	
Title*	Grokking the GIMP
Author(s)*	Carey Bunks
Resource Location*	http://gimp-savvy.com/BOOK/, ISBN 0-7357-0924-6
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / 2D Graphics
Other Suitable Categories / Subcategories	Office tools / Graphic suites
Type (Learning Object)*	Textbook
License*	OPL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Gimp, image manipulation
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	
Brief Description*	A very thorough textbook on Gimp, useful for initiation and intermediate levels
Quality Assessment*	Very good
SELF Integration*	Pending

ID*	
Title*	Inkscape basic tutorial
Author(s)*	Inkscape documentation team
Resource Location*	http://www.inkscape.org/doc/basic/tutorial-basic.html
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / 2D Graphics
Other Suitable Categories / Subcategories	Office tools / Graphic suites
Type (Learning Object)*	Tutorial
License*	Pending
Language(s)*	English, German, French, Spanish
Format(s)*	HTML
Content Keywords*	Inkscape, creating shapes, moving, scaling, rotating, grouping, Z-order
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Basic knowledge about what a graphic suite is and its capabilities
Brief Description*	A short tutorial on Inkscape, useful for initiation and intermediate levels.
Quality Assessment*	Very good

ID*	
SELF Integration*	Link

ID*	
Title*	Inkscape advanced tutorial
Author(s)*	Inkscape documentation team
Resource Location*	http://www.inkscape.org/doc/advanced/tutorial-advanced.html
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / 2D Graphics
Other Suitable Categories / Subcategories	Office tools / Graphic suites
Type (Learning Object)*	Tutorial
License*	Pending
Language(s)*	English, German, French, Spanish
Format(s)*	HTML
Content Keywords*	Inkscape, pasting techniques, drawing freehand, paths and subpaths, boolean operators, simplification filters, text art,
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Inkscap basic tutorial
Brief Description*	The natural continuation of the Inkscape basic tutorial. Useful for initiation and intermediate levels. . Easy to read, following the Inkscape documentation style.
Quality Assessment*	Very good
SELF Integration*	Link

ID*	
Title*	Inkscape shapes tutorial
Author(s)*	http://www.inkscape.org/doc/shapes/tutorial-shapes.html
Resource Location*	Inkscape documentation team
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / 2D Graphics
Other Suitable Categories / Subcategories	Office tools / Graphic suites
Type (Learning Object)*	Tutorial
License*	OPL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Inkscape, shapes, rectangles, elliptic rounded corners, ellipses, polygons, spirals

ID*	
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Inkscape basic tutorial + Inkscape advanced tutorial
Brief Description*	Specific tutorial about how to manage shapes with Inkscape. Easy to read, following the Inkscape documentation style.
Quality Assessment*	Very good
SELF Integration*	Link

ID*	
Title*	Inkscape calligraphy tutorial
Author(s)*	http://www.inkscape.org/doc/calligraphy/tutorial-calligraphy.html
Resource Location*	Inkscape documentation team
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / 2D Graphics
Other Suitable Categories / Subcategories	Office tools / Graphic suites
Type (Learning Object)*	Tutorial
License*	OPL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Inkscape, calligraphy, width and thinning, angle and fixation
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Inkscape basic tutorial + Inkscape advanced tutorial
Brief Description*	Specific tutorial about how to use Inkscape calligraphy features. Easy to read, following the Inkscape documentation style.
Quality Assessment*	Very good
SELF Integration*	Link

ID*	
Title*	Inkscape elements of design tutorial
Author(s)*	Inkscape documentation team
Resource Location*	http://www.inkscape.org/doc/elements/tutorial-elements.html
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / 2D Graphics
Other Suitable Categories / Subcategories	Office tools / Graphic suites

ID*	
Type (Learning Object)*	Tutorial
License*	OPL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Inkscape, balance, emphasis, proportion, pattern, gradation
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Inkscape basic tutorial + Inkscape advanced tutorial
Brief Description*	Specific tutorial about how to manage tune Inkscape items. Easy to read, following the Inkscape documentation style.
Quality Assessment*	Very good
SELF Integration*	Link

ID*	
Title*	Inkscape tips and trics tutorial
Author(s)*	Inkscape documentation team
Resource Location*	http://www.inkscape.org/doc/tips/tutorial-tips.html
Main Category / Subcategory / (appl. or standard or ...)*	Multimedia software / 2D Graphics
Other Suitable Categories / Subcategories	Office tools / Graphic suites
Type (Learning Object)*	Tutorial
License*	OPL
Language(s)*	English
Format(s)*	HTML
Content Keywords*	Inkscape, tile cones, slicing, non-linear gradients, hidden features and the XML editor, pen tool tricks, Unicode values, transparency, gradients, PostScript export
Educational Level*	Secondary
Expertise Level*	Intermediate
Previous knowledge*	Inkscape basic tutorial + Inkscape advanced tutorial
Brief Description*	Specific tutorial about how to manage tune Inkscape items. Easy to read, following the Inkscape documentation style.
Quality Assessment*	Very good
SELF Integration*	Link

10.5 3D Graphics

10.6 Media authoring

10.7 Games

10.8 Others

11 Others