

## NEWS

|                  |    |
|------------------|----|
| Software .....   | 8  |
| Business .....   | 10 |
| World .....      | 12 |
| Insecurity ..... | 14 |
| Kernel .....     | 16 |
| Letters .....    | 18 |

## COVER STORY

|  |    |
|--|----|
| Networking Intro .....                                   | 19 |
| Networking tools .....                                   | 20 |
| DHCP server .....  | 24 |
| Add a DHCP server to centralize your configuration work. |    |
| SCPM .....   | 30 |
| System Configuration Profile Management tools made easy. |    |
| CUPS network printing .....                              | 32 |
| Share a printer amongst your users to help save money.   |    |

## REVIEWS

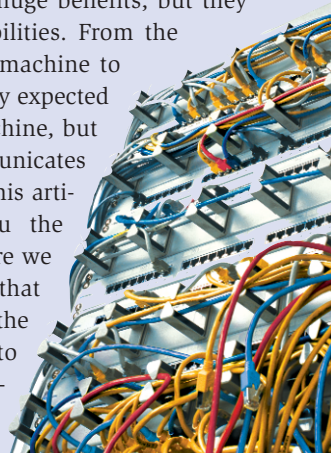
|  |    |
|--|----|
| Book Reviews .....   | 38 |
| Read all about it. Template Toolkits and Programming by example. |    |
| Sun Java Desktop .....   | 39 |
| MandrakeMove .....   | 40 |
| The latest offering from MandrakeSoft for mobile access.         |    |

## KNOW HOW

|   |    |
|---|----|
| KDE Tips .....  | 42 |
| SuperKaramba .....  | 44 |
| Add extra functionality to your desktop with Python.  |    |
| MySQL Administrator .....   | 50 |
| Learn how to configure and monitor MySQL servers with the newly released Alpha version of MySQLAdministrator, a GUI based database front-end. |    |

## 20 Networking tools

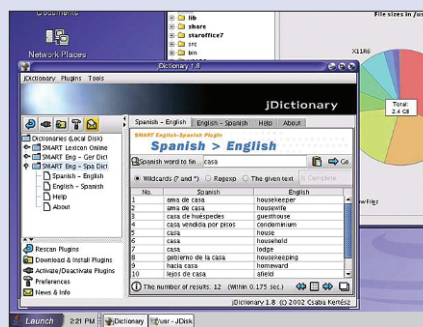
Networked machines offer huge benefits, but they also mean added responsibilities. From the moment you connect your machine to the network, you are not only expected to know all about your machine, but also about the way it communicates with the outside world. In this article we aim to teach you the networking 101 course, where we explain the standard tools that can help you tackle most of the problems you are likely to encounter, when your computer fails to talk on the network.



## 39 Sun Java Desktop

The "Sun Java Desktop" is an operating system aimed at facilitating the migration of many office workers from their traditional Microsoft Windows based computers to Linux. Designed for the needs of small and medium sized

enterprises we take a just what is on offer to tempt users to switch. The look & feel and the usability are designed to emulate MS Windows as closely as possible.



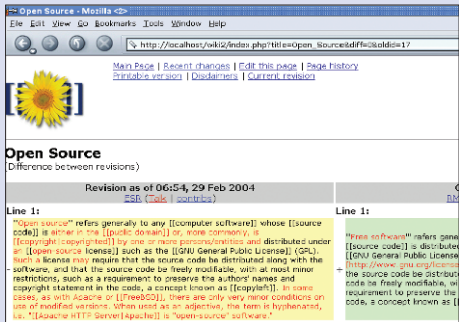
## 42 KDE Tips

Just like any new KDE version, KDE 3.2 has the usual selection of new functions, bugfixes and enhancements to previously existing features. In this article we take a very close look to discover some of the new improvements that would otherwise remain hidden. Some are designed to make your screen prettier and clearer to use, such as transparent toolbars, and cursor shadows. Join us on our quest, and be the first to find, and track down, a host of new features.



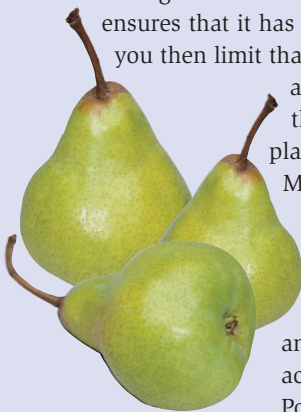
## 54 Mediawiki

The MediaWiki engine is used by some of the Web's most powerful wiki sites such as the free encyclopedia, Wikipedia. It is used to collect and handle enormous amounts of data to form knowledge databases. This article explains how you can launch your own wiki to gain the rich functionality. It gives you plenty of extra power – no matter how big your own wiki site becomes.



## 62 Pear::DB

Writing code in a high level language, such as PHP, ensures that it has a global audience. So why should you then limit that important audience by imposing a specific choice of database through your code? What about platforms that do not support MySQL? This month we take a look at the PEAR::DB module for PHP to provide the required level of control over databases. We can then be truly lazy programmers, and reuse any code we write, to access different databases from PostgreSQL to Oracle.



## 84 FOSDEM 2004

We visited the real community event in Belgium's capital city. Organized by real Linux fans, with little commercialism. This event is a must for anyone interested in finding out more about Free and Open Source software. Find out why you should already be booking your next year's visit.



### SYSADMIN

**Charly's column** .....53  
Real system admin tips and tricks to help you.

**Mediawiki** .....54

**Admin Workshop: Process communication** .....60  
How to control your signal based inter-process communications.

### PROGRAMMING

**Pear::DB** .....62

**Perl: Screen Scrapers** .....68  
Perform cooperative multitasking without the scheduler using the Perl Object Environment.

### LINUX USER

**KTools: JuK** .....74  
KDE 3.2 has a new multimedia player with playlist control.

**KDE 3.2 problems** .....76  
Discover the usability problems of installing KDE 3.2.

**DeskTOPIa: xpad** .....78  
Curse those sticky yellow notes. They get everywhere.

**GTools: Gnome-find** .....80  
Not just a front-end for GNU find. Use the added functions.

**Command Line: bash & bc** .....82  
Powerful mathematics in the shell explained.

### COMMUNITY

**FOSDEM 2004** .....84

**Free Software Projects** .....86

**Brave GNU World** .....89

**The User Group Pages** .....92

### SERVICE

**Events / Advertiser Index / Call for Papers** .....94

**Linux Magazine DVD** .....96

**Next Month / Contact Info** .....98