

NEWS

Software 8

Business 10

World 12

Insecurity 14

Kernel 16

Letters 18

COVER STORY

Web Coding Intro 19

EmPy Wiki 20

PHP web forms 25

Making Web pages look professional need not be a hard or complicated process. Using PHP scripting, we teach you how to make web forms and achieve quick results using pre-fabricated components.

REVIEWS

Book Reviews 31

Read about practical TCP/IP designing, using and troubleshooting. A guide to learning Java head first.

Linux at 1&1 32

The largest Linux server farm gives us an exclusive guided tour to their modern facilities.

Samba 3.0 34

KNOW HOW

Lego Robots 40

GnuPG 45

Ever considered using mail encryption, but could not understand how keys are used? This tutorial on generating and signing keys will solve your problems.

RPM packaging 50

Most Linux software is available as source code and can be compiled. This becomes a chore when you need to remove an application. We guide you step by step through the process of making your own RPM packages

20 EmPy Wiki

Small is beautiful. And when it comes to code it is easy to understand and very fast.

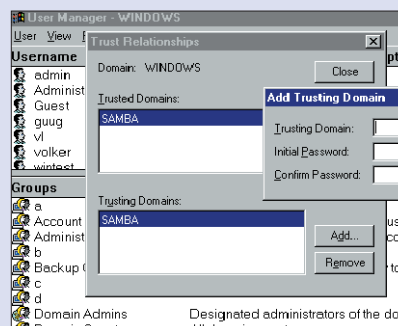
EmPy is a Python-based template processor designed to help in template based Web development.

We explain to you how in just 4KBytes we can quickly produce a Wiki project that is lean, fast and yet still fully featured and useable.



34 Samba 3.0

Samba 3.0 is just around the corner, and there is some justification for high spirits: the free implementation of the SMB protocol provides Linux servers with similar functionality to NT4.0 and is making inroads on Windows XP.



Now with functions such as Active Directory support on member servers, the new Samba version 3.0 is set to take on the whole world and win.

40 Linux operated Lego robots

We read through the mission notes of our top agent as he undergoes another top secret mission to cause havoc, penguin style, in our rivals headquarters.

Using a LEGO Spybot and a Linux distribution, our man named Baud, makes a useful gadget to penetrate the smallest



of spaces and follow instructions necessary to make the enemy realize that we are unstoppable in our quest for freedom. No mission is impossible with just a little Linux know-how and ingenuity.

70 Perl MP3 control

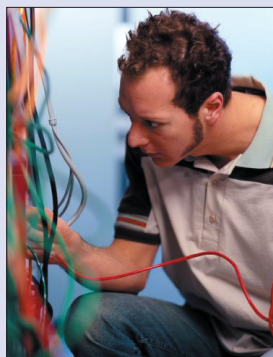
The Apache::MP3 module uses a convenient Web jukebox to organize your jumbled MP3 collections. You can even use a Perl script to introduce a simple hierarchy to your files.

Rescuing your ever growing music collection from the chaos of an unordered world is a worthy task, but one that can be accomplished with just a few lines of Perl to make listening simple.



82 Broadband problems solved

Whether your Internet connection is via a dial up modem, cable or ADSL line, sooner or later you will have connectivity problems. Under Linux you need to be able to work out if the problem is one of your doing or the ISP.

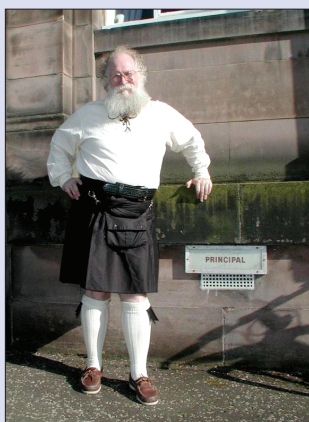


We guide you through the process of what and how to test, so you logically work out where the problem exists, from the connector not being plugged into the computer to the Domain Name Server being faulty at the ISP's connection end.

86 UKUUG Conference 2003, Edinburgh

This year the UK Unix Users Group held their Developers' Conference in Scotland's capital city of Edinburgh. We bring you a report of what happened and what you should expect for next year. The conference started with a day of tutorials and workshops and then continued with three days of streamed talks and discussions. It included a Debian key signing party and evening entertainment.

Overviews of new projects were shown along with tips and tricks.



SYSADMIN

- Charly's column** 54
Real System Admin tips and tricks to help you.
- Cacti** 55
A front-end to help admins watch and monitor systems.
- Sleuthkit** 60
Perform forensic analysis on hacked computers.

PROGRAMMING

- Creating a game: #####** 66
- Perl & Apache::MP3** 70

LINUX USER

- KTools: TuxCards** 76
Manage all your notes in an orderly fashion.
- DeskTOpia: XPenguins** 78
Pep up your screen with animated penguins and more.
- Out of the Box: Grip** 80
Rip and encode CDs easily with a simple to use application.
- Dr. Linux: Broadband problems solved** 82
- Command Line: gs & PSUtils** 84
Manipulate and convert postscript files the easy way.

COMMUNITY

- UKUUG Conference 2003, Edinburgh** 86
- DebConf 3** 87
The Debian developers 2003 camp and conference.
- Free software projects** 88
- Brave GNU World** 90
- The User Group Pages** 94

SERVICE

- Events / Advertiser Index / Call for Papers** 96
- Subscription CD** 97
- Next Month / Contact Info** 98