

Editor	John Southern, jsouthern@linux-magazine.com
Assistant Editor	Colin Murphy, cmurphy@linux-magazine.com
Competence Centers	Competence Center Software: Patricia Jung, pjung@linux-magazine.com Competence Center Hardware: Mirko Dölle, mdoelle@linux-magazine.com Competence Center Network & Security: Achim Leitner, aleitner@linux-magazine.com
Corres- pondents & Contributors	Jono Bacon, Timo Benk, Zack Brown, Daniel Cooper, Alison Davies, Francis Giraldeau, Steven Goodwin, Georg C. F. Greve, Andreas Grytz, Ute Hertzog, Heike Jurzik, Thomas Koch, Charly Kühnast, Gerd Knorr, Benôti des Ligneris, Yuwei Lin, Martin Loschwitz, Nico Lumma, Andrea Müller, Christian Perle, Alexander Reiterer, Janet Roebuck, Michael Schilli, Tim Schürmann, Martin Schulze, Stephan Siemen, Ralf Spenneberg, Gunn Kristin Tjoflot, Olexiy Ye Tykhomyrov
Layout	Judith Erb, Elgin Grabe, Klaus Rehfeld
Cover Design	Pinball Werbeagentur
Advertising	www.linux-magazine.com/Advertise
All countries	Brian Osborn, ads@linux-magazine.com
(except Germany, Austria, Switz	phone + 49 6509 910 495, fax + 49 6509 910 497
(except Germany,	phone + 49 6509 910 495, fax + 49 6509 910 497
(except Germany, Austria, Switz Germany Austria	phone + 49 6509 910 495, fax + 49 6509 910 497 .) Osmund Schmidt, anzeigen@linux-magazine.com phone + 49 6335 9110, fax + 49 6335 7779
(except Germany, Austria, Switz Germany Austria Switzerland Management	phone + 49 6509 910 495, fax + 49 6509 910 497 .) Osmund Schmidt, anzeigen@linux-magazine.com phone + 49 6335 9110, fax + 49 6335 7779 (Vorstand) Hermann Plank, hplank@linux-magazine.com,
(except Germany, Austria, Switz Germany Austria Switzerland Management	phone + 49 6509 910 495, fax + 49 6509 910 497 .) Osmund Schmidt, anzeigen@linux-magazine.com phone + 49 6335 9110, fax + 49 6335 7779 (Vorstand) Hermann Plank, hplank@linux-magazine.com Rosie Schuster, rschuster@linux-magazine.com Management Brian Osborn, bosborn@linux-magazine.com
(except Germany, Austria, Switz Germany Austria Switzerland Management Business Unit Product Mana	phone + 49 6509 910 495, fax + 49 6509 910 497) Osmund Schmidt, anzeigen@linux-magazine.com phone + 49 6335 9110, fax + 49 6335 7779 (Vorstand) Hermann Plank, hplank@linux-magazine.com Rosie Schuster, rschuster@linux-magazine.com Brian Osborn, bosborn@linux-magazine.com agement Hans-Jörg Ehren,

(combined air / surface mail transport) Outside Europe - Airmail US \$ 84.90 phone +49 89 9934 1167, fax +49 89 9934 1199, subs@linux-magazine.com

Linux Magazine Stefan-George-Ring 24 81929 Munich, Germany info@linux-magazine.com, phone +49 89 9934 1167. fax +49 89 9934 1199

www.linux-magazine.com - Worldwide

www.linuxmagazine.com.au - Australia www.linux-magazine.ca - Canada www.linux-magazine.co.uk - United Kingdom

While every care has been taken in the content of the magazine, the publishers cannot be held responsible for the accuracy of the information contained within it or any consequences arising from the use of it. The use of the CD provided with the magazine or any material provided on it is at your own risk. The CD is thoroughly checked for any viruses or errors before reproduction.

Copyright and Trademarks © 2003 Linux New Media Ltd. No material may be reproduced in any form whatsoever in whole or in part without the written permission of the publishers. It is assumed that all correspondence sent, for example, letters, e-mails, faxes, photographs, articles, drawings, are supplied for publication or license to third parties on a non-exclusive worldwide basis by Linux New Media unless otherwise stated in writing.

Linux is a trademark of Linus Torvalds.

ISSN 14715678 Printed in Germany.

Linux Magazine is published monthly by Linux New Media AG, Munich, Germany, and Linux New Media Ltd, Manchester, England. Company registered in England. Distributed by COMAG Specialist, Tavistock Road, West Drayton, Middlesex, UB7 7QE, United Kingdom

October 2003: Issue 35

Next Month's Highlights

The Robots are Back

Due to popular demand, we are bringing the Lego MindStorm robots back to life. This time we show you how to make the most of the new Spybots.

We explore the NCQ code to make more use of the robot features and guide you into running the movies supplied with the kit under Wine.



EmPy

EmPy is a method for embedding Python expressions and statements into template text. We show you how to make the most of this powerful system. Using a Wiki system that lets you compose and add comments to a discussion-type notice board, we expand the ease and functionality with the EmPy.

Sleuth Kit

The Sleuth Kit is a collection of command line file system forensic tools that allows you to examine different file systems in a non-intrusive way. A graphical interface for these utilities is available.

We examine the features that this extremely powerful toolset allows us to use and show how to simply find data and reconstruct information such as a timeline of changes. Using this guide you will soon learn how to become a super file detective and discover the hidden secrets left behind.

Network Problems Solved

Networks can change a computer, bringing extra functionality and the ability to

share resources. However as we all know, sometimes there are complications. We explore the main problems that you are likely to find on a network and step you through the answers ensuring you get the most from your networks.



Paranoid?

Everywhere you go, someone is trying to watch you. Every email you write is open to scrutiny. Proving who you are and what was written in your name was really by you is becoming harder in the anonymous online world we inhabit.

Fortunately, help is at hand in the form of GnuPG, which lets you add an electronic provable signature. We guide you carefully through the steps necessary to set up a signature.



New Service for Readers

Get a sneak preview of the next issue with links to online articles in advance of the on sale date! Subscribe to the Linux Magazine Preview here: http://www.linux-magazine.com/ Newsletter

On Sale: 5 September

98