

LINUX MAGAZINE



news

8 MORE ONLINE

Highlights from our Linux Magazine and ADMIN Online websites.

9 NEWS

- OSI accepting individual memberships.
- OpenGL 4.3 and ES 3.0.

10 LICENSE PROTECTION

- Raspberry Pi ramps up production.
- FSFE protects licences when bankruptcy strikes.
- Gaming passwords secured with My1login.
- Web Apps new to Ubuntu.

11 LPI FORUM

- RSA Anti Rogue App.
- US Cell Phone Right-to-Know Act.

12 TECH TOOLS

SERVICE

3 Comment

6 DVD

96 Featured Events

97 Call for Papers

98 Preview

Linux Magazine ISSN 1471-5678
Linux Magazine is published monthly by Linux New Media Ltd, Manchester, England. Company registered in England.

Intrusion Prevention

New vulnerabilities appear every day. To keep your network safe, you need to think like an attacker.

16 IPv6 Pen Testing
You can't rely on just your IPv4 pen test tools if IPv6 services are running on the network.

22 Capture File Filtering with Wireshark

Save a history of network activity and search it later for intrusion evidence.

28 OpenVAS
How safe is your network? Look for potential problems with this open source vulnerability assessment tool.

34 Side Channel Attacks

Error messages and verbose log entries can tip off intruders.

Community Notebook

90 Doghouse: Tiny Computers
maddog celebrates the arrival of ultrasmall boards.

91 OSCON 2012
O'Reilly's popular OSCON conference delivers ideas and plenty of extras.

92 Kernel News
Zack reports on futexes, memory management for swappless systems, and leap seconds.

94 Raspberry Pi
Did you ever imagine a tiny Linux system for only US\$ 25?

HIGHLIGHTS

34 SIDE CHANNEL ATTACKS

A loose log can sink your server.

54 PASSWORD TOOLS

Better tools and methods for better passwords.

68 HTTPS PROXY

Squid proxy server with encrypted connections.

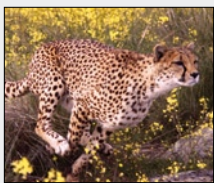
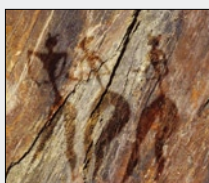
86 MOVGRAB

Is your web connection too slow? Download that video to view offline.

FEATURES

44 OpenSSL with Bash

Integrate OpenSSL encryption into your shell scripts with all the bells and whistles of Bash.



60 Flash Filesystems

Modern mobile devices depend on flash drives, and like any storage device, flash depend on a filesystem.

38 Surveillance with NAS

Build a NAS device into your security camera configuration with ZoneMinder.

48 Security Lessons: Database Security

Your database might be the most vulnerable part of your network.

50 Perl: Heroku

Pushing web applications live with Heroku.

54 Password Tools

Tools for generating passwords and checking password quality.

58 Charly: GeoIP Lookup

Map an IP address to a country.

66 Ask Klaus!

DVDs, GRUB, and files: Oh My!

68 HTTPS Proxy

Keeping watch on encrypted web sessions.

LINUXUSER

72 Command Line: xorg.conf

Manage your graphical environment through the xorg.conf file.

76 Workspace: EasyGUI

Add graphic elements to your Python scripts.

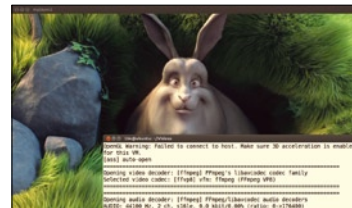
82 MyPaint

Sketch freehand with this highly expressive desktop app.



86 Movgrab

Grab online videos and download them to your desktop for offline viewing.



INCLUDES:

- GIMP 2.8, Kernel 3.3.6, Pulse Audio 2
- Desktops: KDE, Gnome, LXDE, Razor-qt, Xfce4, E17

SEE P6 FOR FULL DETAILS