LINUX MAGAZINE

news

8 MORE ONLINE
Highlights from our Linux Magazine and ADMIN Online websites.

9 NEWS
- AMD, OpenJDK, and Oracle to improve Java computing.
- Sandia project studies cyber disruptions to smartphones.

10 CEPH SUPPORT
- Slackware 14 released.
- New funds for Inktank/Ceph.
- Apache Airavata is new Top-Level Project.

11 CRYPTO CONTEST
- Zentyal 3.0 small business server released.
- Keccak wins SHA-3 cryptographic competition.

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.

Build a Botnet

Building a botnet doesn't necessarily make you an outlaw; we show you how one programmer automated a time-sensitive business application with a botnet. Next, get ready to hit the ground running with HTML5, and secure your websites with sound PHP programming principles.

16 Developing Botnets
Botnets that do no harm.

22 HTML5 Offline
An offline cache can protect you from Internet outages.

30 HTML5 Tools
These resources get you started with HTML5.

34 PHP Security Principles
Sound principles for secure code.

38 3D with Three.js
The Three.js JavaScript library and the WebGL component of HTML5 make 3D in the browser easy.

Community Notebook

90 Doghouse: Free Favela
Free Software project in Brazil empowers favela residents.

91 LinuxCon 2012
Security and the open cloud were featured at this year's LinuxCon in San Diego, CA.

92 Kernel News
PWM subsystem to main kernel tree; throwaway device IDs; Linux 3.2.y goes long-term stable.

94 Future Platforms
Web-based operating systems and the future of Linux.

HIGHLIGHTS

22 HTML5 OFFLINE
Browser apps that work without Internet from an offline cache.

38 THREE.JS
HTML5, with WebGL, and this JavaScript library bring 3D to browsers.

48 HDPARM
Tune, report, measure, and modify hard disks and erase SSDs securely.

70 COLOR TEMPERATURE TOOLS
Make your monitor easy on your eyes.

FEATURES

44 RPM Tools

Package management helpers rpmorphan and rpmrestore keep your system clean.

56 Kotlin

A work in progress, Kotlin borrows freely from Java, Scala, and Groovy and runs on the Java Virtual Machine.

48 hdparm
This tool tunes your drive and delivers drive statistics.

52 Charly: Swaks
Diagnose ailing mail servers.

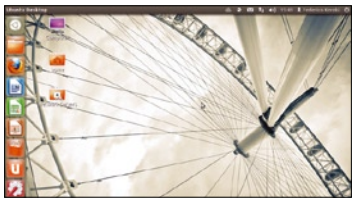
54 Security Lessons: Web Frameworks
Plenty of tools exist for building web apps; don't roll your own unless you have to.

62 Perl: k-means Clusters
Identifying clusters is easy for us, but difficult for computers. Perl has a CPAN module for that.

66 Ask Klaus!
Klaus Knopper answers questions about swap, zRam, routers in bridge mode, and Linux on Macs.

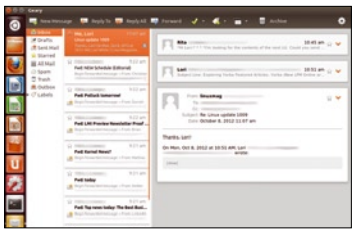
LINUXUSER

70 Color Temperature Tools
Changing monitor brightness through the day could help you sleep at night.



76 Workspace: Calibre Tips
Get more from the Calibre ebook manager.

82 Geary Email Client
We look at an early version of a new IMAP email client.



86 Command Line: Killing Processes
Learn how to shut down systems and processes.

Knoppix 7.0.4
The world's greatest Live distro
Includes:
- GIMP 2.8
- Chrome 21
- VirtualBox 4.1
- Wine 1.5

SEE P6 FOR DETAILS