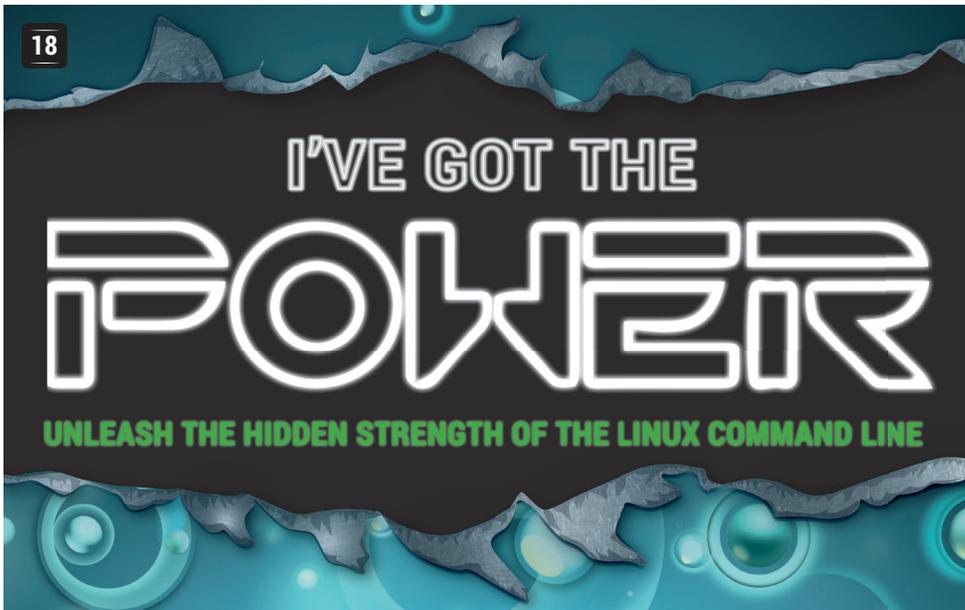




CONTENTS

June LV003

We are all in the gutter, but some of us are searching for comets

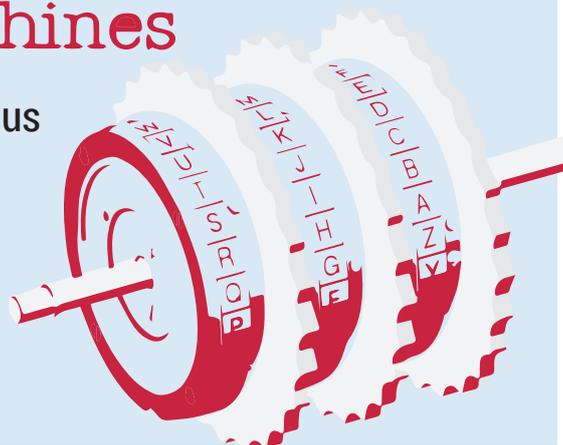


Master the command line

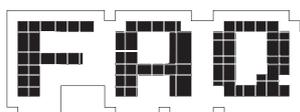
Peek under the surface of your Linux box and reveal the power within

Alan Turing, Colossus and Turing Machines

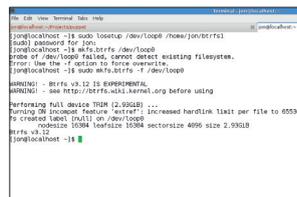
How one ordinary genius came to develop the single most important computer ever made.



26 SHOPPING
How to buy a Linux box on the high street.



42 FAQ Bad guys want to DDOS your server. But why, and how?

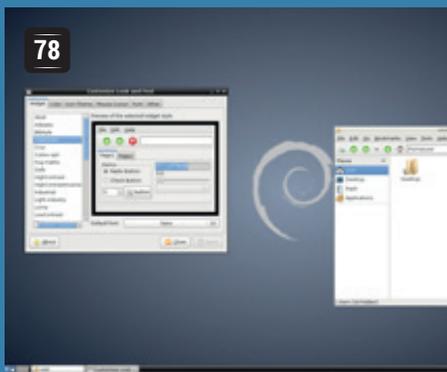


66 SYSADMIN
Jon Roberts finds a better filesystem.

REGULARS

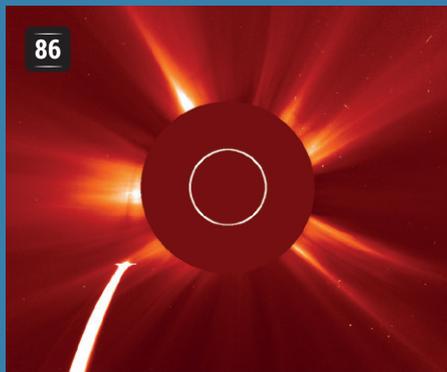
- 06 News**
Bitesize facts to lodge in our receptive brains.
- 08 Distrohopper**
What's rolling off the Linux production line this month?
- 10 Gaming**
Portal 2, The Dark Mod, Oil Rush, Wasteland 2 and more.
- 12 Speak your brains**
Ideas, criticisms, suggestions and book review confusion.
- 16 LV on tour**
Brighton, Bristol, Manchester and Munich get a visitation.
- 34 Open Cores**
A hardware architecture that's open to hack about with.
- 44 Interview**
Damian Conway – one of the founding fathers of Perl.
- 58 Group test**
Reach out and touch your shiny new Linux desktops.
- 110 Masterclass**
Get deep into Inkscape and ImageMagick. Arty!
- 114 My Linux desktop**
Mr KDE Plasma tablet Aaron Seigo shows us around.

TUTORIALS



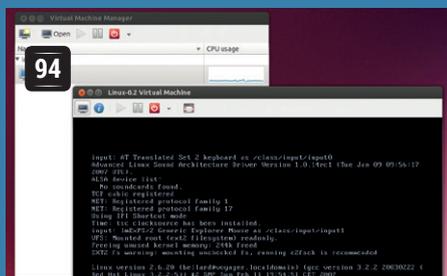
Customise the LXDE desktop

Make your Raspberry Pi a lot prettier, by enhancing its default desktop environment.



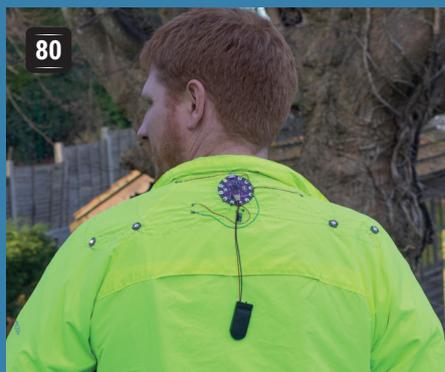
Hunt comets with Python and open data

Filter image data in the search for Thargoids comets, from the comfort of your Linux machine.



Control virtual machines with Python and libvirt

Dispense with the GUI for the awesome power of virtual machines commanded by Python.



Make smart clothes with an Arduino Lilypad

Sew a wearable circuit into clothing to turn your clothing into an electronic canvas.



Raspberry Pi: build an emergency beacon

Stay safe in the event of disaster by broadcasting the theme from Star Wars from a lunch box.



106 Ruby: Why absolutely, positively, everything is an object

Get your head around object-oriented to the nth degree.

REVIEWS



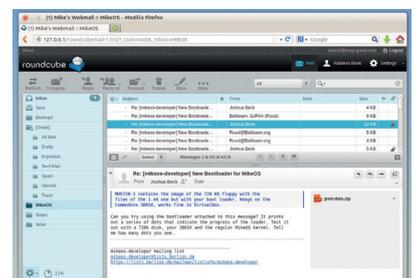
50 Bitwig 1.0 In one bound, audio production and editing on Linux became a lot more interesting, and cheaper, and better. Win!



52 Gnome 3.12 This 'next generation' desktop came in for a lot of criticism on its 3.0 release – has it improved?

53 Udoo Do you love playing with your Raspberry Pi, but feel like it's lacking in grunt? If so, this quad-core ARM device awaits.

54 Roundcube 1.0 If you think webmail is all about selling your details to advertisers, you could be in for a pleasant surprise.



55 Pibrella In our day toys were lumps of junk that taught only disappointment. The world has got a lot better since then.

56 Books Ada Lovelace, Nine Algorithms That Changed the Future, and the scribbles of some chap called Everard.