



# CONTENTS

September LV006

The ninth project: create 115 page of awesome. Mission accomplished!

SUBSCRIBE  
ON PAGE 60

**18**

## RASPBERRY PI PROJECTS

Track a space station, program Minecraft, set up a security cam and more. What are you waiting for?

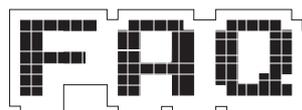
## THE FUTURE OF KDE

**30**

Why KDE 5 is going to rock, and avoid the blunders of early 4.x releases

### Fork it!

**34 FORK IT**  
Projects sometimes split, but it's usually for the best – here's why it happens and how we've all gained.



**38 FAQ: KRITA**  
Apart from being Swedish for 'crayon', this image editor is beating Gimp at its own game.



**26 SLACKWARE**  
Meet the oldest distro in town – it still has many fans. Once you try Slackware, there's no going back.

## REGULARS

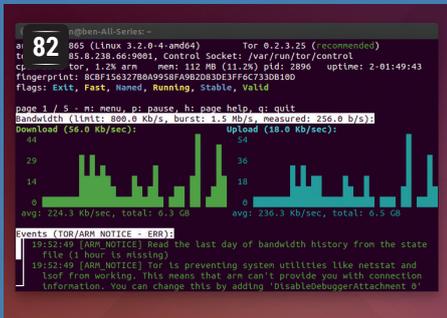
- 06 News**  
The NSA is watching us drool over the new Model B Raspberry Pi.
- 08 Distrohopper**  
Try Voyager 14.04, Netrunner and RHEL; and think on when you name your next project.
- 10 Gaming**  
Civilization: Beyond Earth is coming to Linux. All other activity rendered pointless.
- 12 Speak your brains**  
Let us know what's going on in your precious cerebral cortex. Not you, Crown Prince Ekoku!
- 16 LV on tour**  
The grapevine tingles with news from Edinburgh, Verona and Bristol.
- 40 Interview**  
Daniel Stone, one of the movers and shakers behind the Wayland display server.
- 54 Group test**  
Do your productivity a favour by switching to one of these tiling window managers.
- 60 Subscribe!**  
And whet your appetite for the feast of Free Software to come in LV007.
- 62 Cloud admin**  
Build, ship and run distributed applications with containers and Docker.
- 64 Core technologies**  
More arcane lore from Dr Chris Brown's compendium of Linux.
- 68 FOSSpicks**  
Picks so free, they're freer than a bird dressed up as William Wallace.
- 110 Masterclass**  
Keep tabs on your hard drive with Smart and GSmartControl.
- 114 My Linux desktop**  
Boudewijn Rempt, the main man behind Krita, invites us into his mysterious den.

# TUTORIALS



## 76 Krita: Get started with brush modes and layers

Paint your masterpiece with Free Software and the Divine Stallman.



## 82 Tor: Encrypt your internet traffic

You may not have anything to hide, but you can still help.



## 90 Arduino & Python: Build robotic weaponry

Add face recognition software to a toy gun. Mayhem ensues!

**102 Code ninja: Callbacks and non-blocking IO**  
Let your JavaScript flow free as a mountain stream.



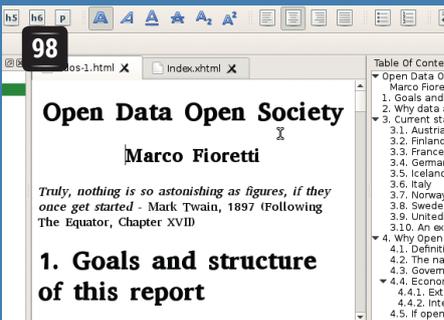
## 78 Build a quiz in Python, EasyGUI and Pygame

Use functions, variables and lists to expand your skills.



## 86 Linux 101: Master your package manager

Find out what's going on at the heart of your Linux distro.

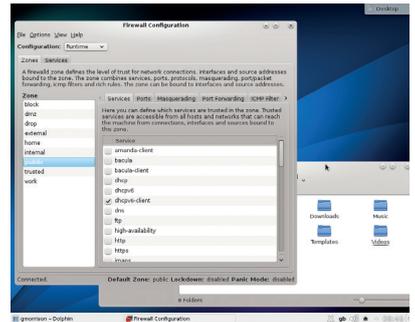


## 98 Sigil: Create quality ebooks for any OS

Self publishing is the future of the novel, so why not try it today?

**104 Alan Turing and the Manchester Mark I**  
Nazis defeated, our hero Turing is just getting started.

# REVIEWS



**46 CentOS 7**  
This respin of Red Hat Enterprise Linux brings all the features at none of the cost.



**48 Minetest**  
Immerse yourself in a blocky world of digging and building. Wait – that sounds familiar!

**49 Opera Developer 24**  
Shock horror – a non-free web browser for Linux. The thing is though, it's actually jolly good...

**50 AfterShot Pro 2**  
Bibbe became AfterShot which has now become version 2. Can this release be the Adobe Lightroom for Linux?

**51 Harmony Smart Control**  
Logitech wants to replace your ever-growing bundle of remote controls with a single mobile application. Is it made of win?

**52 Books** Something old, something new, and something that has us terrified of the NSA.

