Full Circle

THE INDEPENDENT MAGAZINE FOR THE UBUNTU LINUX COMMUNITY

ISSUE #91 - November 201 4

KODI (FKA: XBMC)

SOME SOFTWARE ADDITIONS

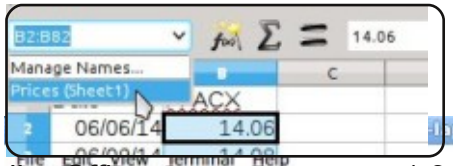
Full Circle Magazine is neither affiliated with, nor endorsed by, Canonical Ltd.

Full Circle

THE INDEPENDENT MAGAZIN

HowTo

Program In Python p.1 1

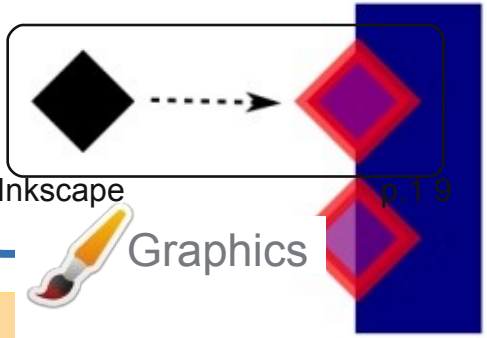


LibreOffice p.1 3

Linux Labs p.32

Multiple Passwords p.1 6

Letters p.44

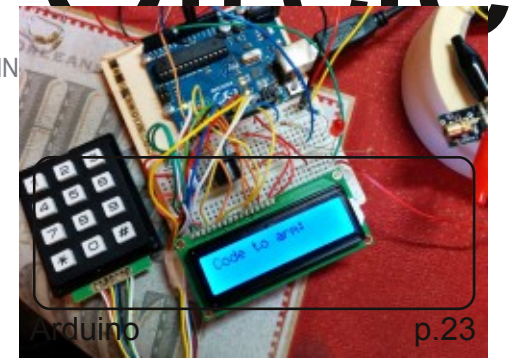


Inkscape p.1 9

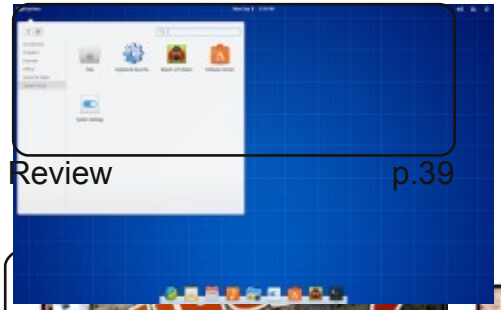
Graphics

BACK NEXT MONTH

Security p.XX



Arduino p.23

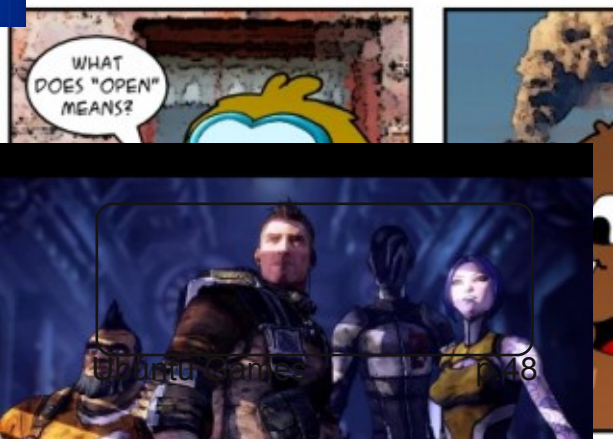


Review p.39

Tuxidermy p.

BACK NEXT MONTH

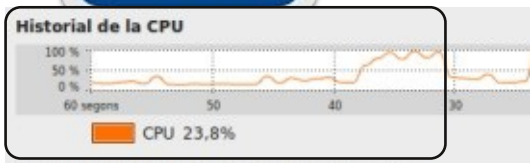
Ubuntu Women p.XX



Ubuntu Games p.48

News

Linux News p.04



Linux Labs p.26

My Story p.42

ained in this magazine are released under the Crea

SOME RIGHTS RESERVED

This means you can adapt, copy, d i stri bu te a nd tra nsmi t th the work to the ori gi nal author in some way (at least a name, and the URL www. ful l ci rcl emagazi ne. org (but not attri bute the arti cl e(s) in any w you a l ter, transform, or bui l d upon thi s work, you must distribute the resulting work Full Circle magazine is entirely independent of Canonical, the sponsor of magazine should in no way be assumed to have Canonical endorsement.

EDITORIAL

Welcome to another issue of Full Circle.

Python makes a triumphant return this month, but still no Blender again this month I 'm a fra id I.f you read last month's issue you'll know that N icholas is now officially a father and has probably only slept a handfull of hours this month. Completing the trinity (with LibreOffice) is an interesting article on managing multiple passwords with a BASH script. Very different!

Inkscape also continues as normal and is joined with the fourth in our series of kernel articles and Charles returns with a second part to his Kodi (formerly known as XBMC) series. Why I remember installing XBMC onto an Xbox. The first Xbox no less! OK, I'm giving away my age. I 'll stop now.

Elementary OS is reviewed as is the book (kindly gifted to us by Packt Publishing) Web Development with MongoDB and NodeJS by Jason KrolLucas touched upon NodeJS in a previous Command and Conquer article. So, it's only natural that he should review the book. As ever, please support Packt as they're one of the few publishers who send us books for review.

This month brings to an end my current Arduino project, but I'll have something new for you to do next month. Fear not!

Anyway, enough rambling from me. I hope you enjoy the issue.

All the best, and keep in touch!
Ronnie
ronnie@fullcirclemagazine.org

This magazine was created using :

Full Circle Podcast

Released monthly, each episode covers all the latest Ubuntu news, opinions, reviews, interviews and listener feedback. The Side-Pod is a new addition, it's an extra (irregular) short-form podcast which is intended to be a branch of the main podcast. I t' s somewhere to put all the general technology and non-Ubuntu stuff that doesn't fit in the main podcast.

Hosts:
- Les Pounder
- Tony Hughes
- Jon Chamberlain
- Oliver Clark

http://fullcirclemagazine.org

AUDIO MP3 AUDIO OGG

Download

Ubuntu Online Summit for Ubuntu 15.04 (Vivid Vervet)

The Ubuntu Online Summit is an event that allows the Ubuntu community to contribute to the development of the operating system by taking part in discussions with the developers. It features a lot of topics regarding the system, some more complex than others, but pretty much all of the aspects of the distribution will be covered.

The current summit is scheduled to take place right after the Ubuntu 15.04 (Vivid Vervet) development cycle has started. Users will be able to find out about the features that are going to be integrated in Ubuntu ahead of time, and they will be able to query the developers about any subject. If you have any questions about Ubuntu (not technical support related), if you want to know why something is implemented in a certain way, or you just want some general information, then the Ubuntu Online Summit is the place to ask them.

Source:
http://news.softpedia.com/news/Ubuntu-Online-Summit-for-Ubuntu-15-04-Vivid-Vervet-Starts-In-a-Few-Days-464323.shtml
Submitted by: Silviu Stahie

Mozilla Releases 'Firefox Developer Edition' for Windows, Mac and Linux

The Developer Edition is exactly what it says on the tin: a browser built around the needs of web developers.

The Firefox team set out to bring together tools needed to keep developers productive across a multi-device and multi-platform environment, "creating a focal point to streamline your development workflow." Though the Firefox Developer Edition has a touch of the familiar, the rejigged UI and features make it a formidable development environment while still the fully capable browser Firefox users know and love.

The biggest change you'll notice is the dark UI of the slick inspector applied to the rest of the browser. Not your style? You can revert to the familiar light theme by heading into the Customize options at the bottom of the "hamburger" menu and clicking "Use Firefox Developer Edition Theme".

Source:
http://www.omgubuntu.co.uk/2014/11/mozilla-releases-firefox-developer-edition
Submitted by: Sam Tran

Dropbox 2.11.34 Experimental Features a Rewritten UI for Linux Client

Dropbox, a client for an online service that lets you bring all your photos, docs, and videos anywhere, has been promoted to version 2.11.34 for the experimental branch.

The Dropbox developers don't usually provide too many changes for the Linux platform and the latest update is not all that promising either. In fact, there is nothing specific for Linux, but the branch is an entirely different discussion. This will be a very interesting release when it becomes stable, but until then we can take a closer look at what's coming.

Source:
http://linux.softpedia.com/blog/Dropbox-2-11-34-Experimental-Features-a-Rewritten-UI-for-Linux-Client-464468.shtml
Submitted by: Silviu Stahie

Canonical Drops Ubuntu 14.10 Dedicated Images for Apple Hardware

Ubuntu 14.10 (Utopic Unicorn) has been available for a couple of weeks and the reception has been positive for the most part, but there is one small piece of

interesting information that didn't get revealed. I t looks like the Ubuntu devs don't need to build specific images for Apple hardware.

Many Ubuntu users will remember that, until the launch of Ubuntu 1 4.1 0, there was an image of the OS available labeled amd64+mac, which was technically aimed at Apple hardware.

The Ubuntu devs marked this interesting evolution in the official announcement for Ubuntu 1 4.1 0, but it went largely unnoticed.

Source:
http://linux.softpedia.com/blog/Canonical-Drops-Ubuntu-1 4-1 0-Dedicated-Images-for-Apple-Hardware-4641 74.shtml
Submitted by: Silviu Stahie

Ubuntu Touch Music App Is Proof That Total Ubuntu Convergence Is Getting Closer – Gallery

While other platforms like Windows or iOS are still working towards their convergence g oal,Canonical is already there and the developers now have applications that work both on the mobile and on the desktop platform without any major modifications. One such example is the Ubuntu Touch Music App, which looks and feels native on both operating systems.

For now, Canonical is working on Ubuntu for phones and Ubuntu for desktop. Before long, however, the projects will be folded into a single one, probably in a couple of years. U ntil then, the biggest change that we're seeing due to this convergence policy is the fact that applications for Ubuntu Touch don't really have a problem running on the desktop.

The Ubuntu Touch Music App 2.0 is the same as the one you can find on the mobile platform, but there are some perks if you run it on the desktop. Users can resize it and work much more easily with the playlist, which is a nice thing to have. I n any case, it only runs on Ubuntu 1 4.1 0 (Utopic Unicorn), so that's the only way to test it.

Source:
http://news.softpedia.com/news/Ubuntu-Touch-Music-App-Is-Proof-that-Total-Ubuntu-Convergence-Is-Getting-Closer-464595.shtml
Submitted by: Silviu Stahie

China Starts Windows Wipe-Out, Switches to Linux

China is presently in a situation to completely eradicate Windows from the country. Though this is not immediately possible, the map to wipe-out the Windows operating system from every computer is planned over a period of a few years from now.

According to a report on SoftPedia, China has planned to move away from Microsoft Windows completely. Recently, China had announced the ban of Windows 8 in the country accusing Microsoft of spying the China government and businesses via the operating system.

China has made it mandatory to all organizations to switch from the Microsoft Windows operating system to a locally developed operating system based on Linux.

China believes that by the year 2020, they will successfully eradicate Windows and would have an already switched to a more powerful and secure operating system of their own.

Source:
http://www.deccanchronicle.com/141 1 01 /technology-latest/article/china-starts-windows-wipe-out-switches-linux
Submitted by: Arnfried Walbrecht

Krita Desktop: A free, open source painting tool, maybe as good as Photoshop

If you do any graphics work you should take a look at Krita Desktop, a really impressive painting tool that rivals Adobe Photoshop for features and makes some ways of working much easier.

Available as free, open source software for Windows (Vista, 7, 8) , Linux (Ubuntu, Mint, Debian, and others) and OS X (the site only refers to 1 0.9 compatibility but I ran it under 1 01 .1 0 without problems). Krita Desktop is also available in two paid-for variants: Krita Studio and Krita Gemini.

First impressions: Way cool,