

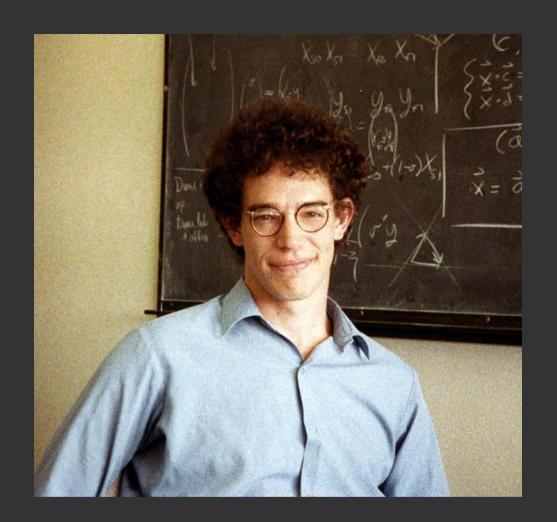
Jonathan Carter
Debconf 15, Heidelberg, Germany
2015-08-21



ABOUT

The African Institute for Mathematical Sciences





Quick Facts

South African Physicist

Director of Perimeter Instutute

Family fled South Africa after standing against Apartheid regime in 1980's

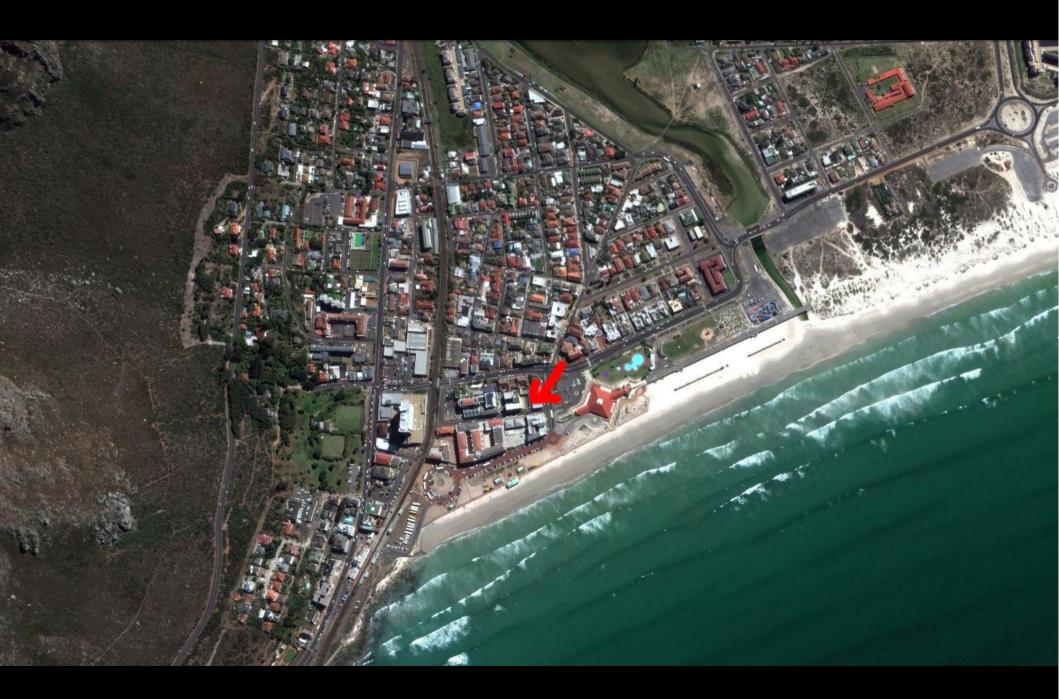
Worked with Stephan Hawking on Hawking-Turok constant, among other scientific achievements

Founded AIMS in 2003

Prof. Neil Turok https://en.wikipedia.org/wiki/Neil_Turok

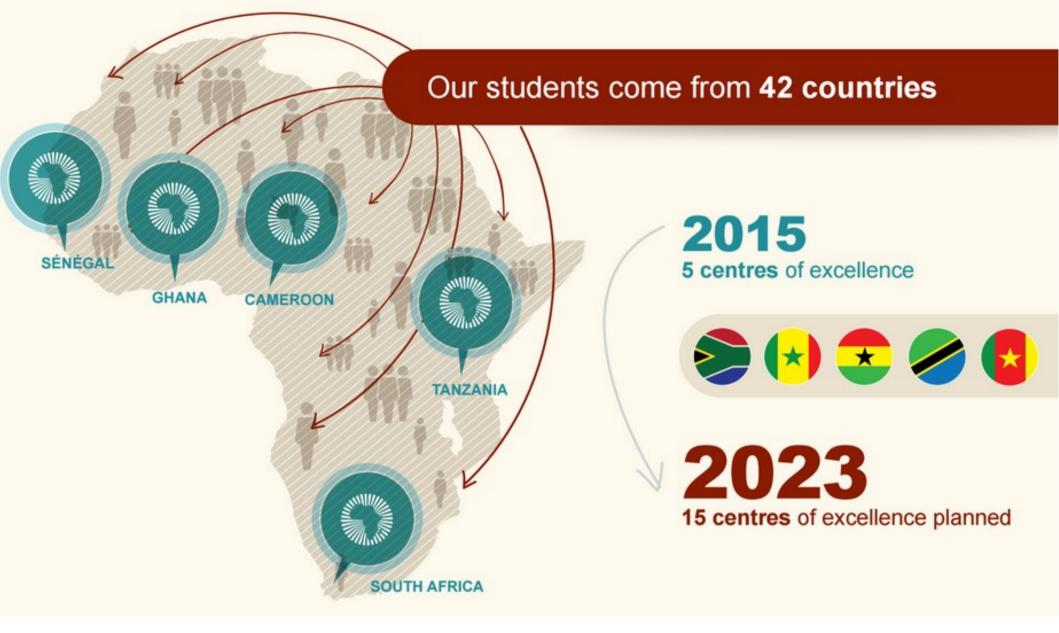
















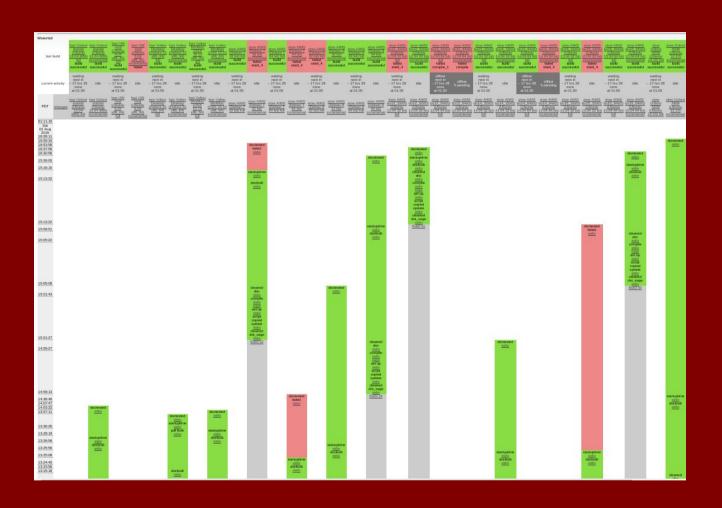
Linux from day 1

- Originally Debian testing
- Moved to Ubuntu in 2004
- Commonly used Software:
 - Python
 - Sagemath
 - R Studio
 - GNU Octave
 - Scipy
 - Spyder
 - TexMaker
- All current centres run the above
- Advocacy work remains an ongoing



Jan GroenewaldIT Manager, AIMS South Africa

Sage Math – Buildbot network



Auto builds for

Debian 7 Debian 8 Ubuntu 12.04 LTS Ubuntu 14.04 LTS Ubuntu 15.04

32bit + 64 bit variants

Sage Math 6.8 recently released.

AIMS team maintains binary packages in Launchpad PPA.

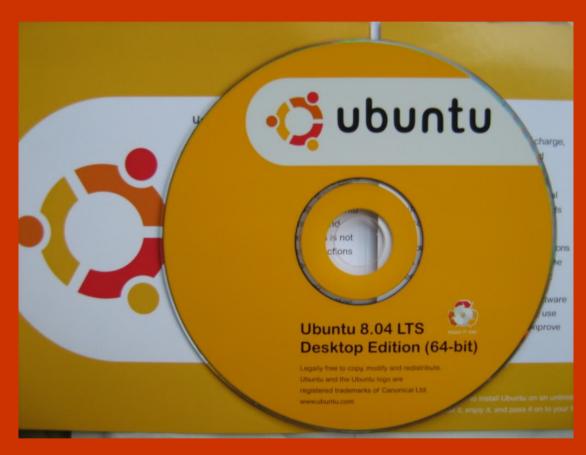
"The compilation of Sage 6.8 went very smoothly on every currently supported Debian and Ubuntu versions in both 32 and 64 bits (16 possible combinations), for the first time all ptestlong passed without having to re-test expect.py manually."- Thierry, SageMath release manager

Sage Math – Status in Debian



So why the switch to Ubuntu?

Ubuntu



Ubuntu 8.04: Legally free to copy, modify and redistribute



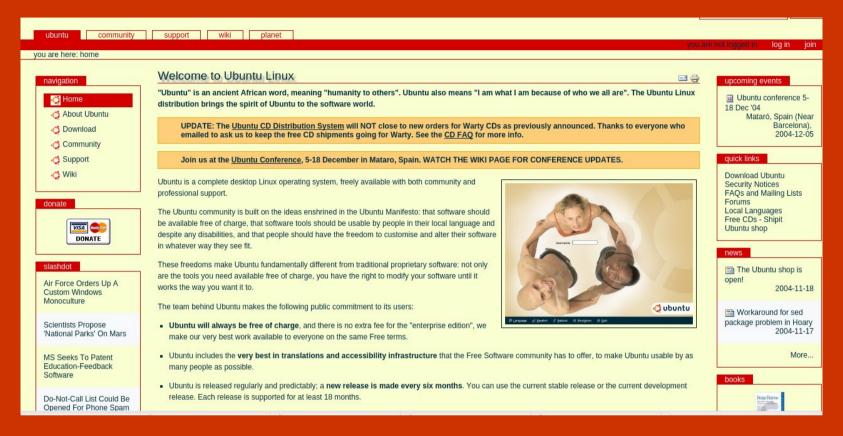
Windows XP: Do Not Make Illegal Copies of This Disc

http://www.markshuttleworth.com/archives/77

"We've already seen that with Red Hat and Novell, which essentially offer free software on proprietary terms – their "really free" editions are not certified, carry no support and receive no systematic security patching. In other words – they're beta or test versions. If you want the best that free software can deliver, a rock solid, widely certified, secure platform, from either of those companies then you have to pay, and you pay the same price whether you are Goldman Sachs or a startup in Rio de Janeiro.

That's not the vision we all share of what free software can achieve."

Ubuntu

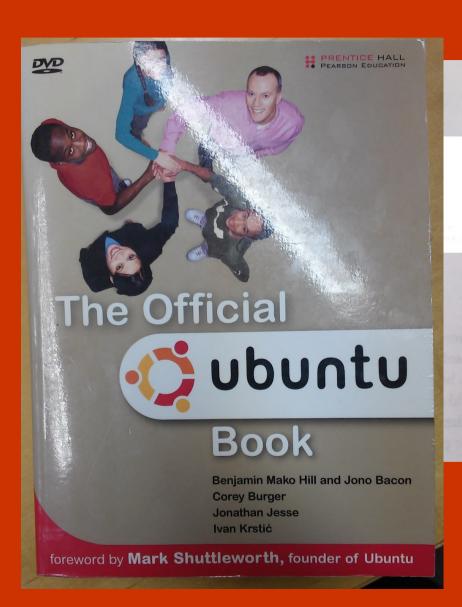


"Ubuntu" is an ancient African word, meaning "humanity to others". Ubuntu also means "I am what I am because of who we all are". The Ubuntu Linux distribution brings the spirit of Ubuntu to the software world.

Ubuntu is entirely committed to the principles of open source software development; we encourage people to use open source software, improve it and pass it on.

The Ubuntu Project is a community project with participation from many volunteers, sponsored by Canonical Ltd. Canonical will not charge licence fees for Ubuntu, now or at any stage in the future. Canonical's business model is to provide technical support and professional services related to Ubuntu. Please see Paid support for further information.

Ubuntu



Foreword

about four key ideas, and it is those ideas that are central to the Ubuntu promise

- That our software should not come with a license fee. That we should be able to share our software, modify it, and then share our modifications, too.
- That this free software should be the best version available, including regular security updates, and not a tease for a better, commercial product.
- That full-scale, high-quality commercial support from local and global companies should be available for this free platform.
- That this software should be usable in as many languages as possible and usable by as many people as possible regardless of disability.

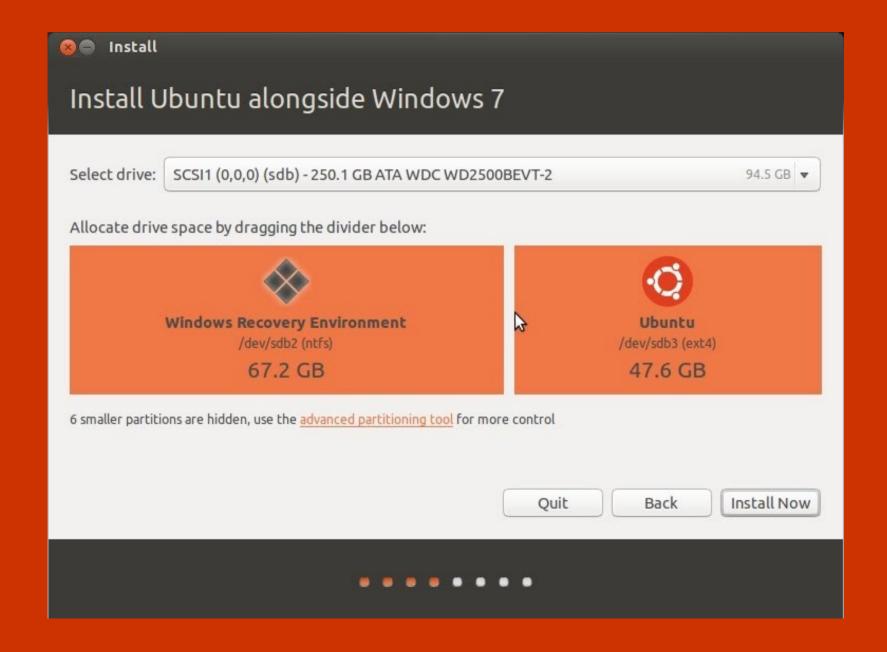
The seventeen of us who met in London two years ago come from a very

Foreword from Mark Shuttleworth re-iterating the Ubuntu promise in The Official Ubuntu Book.

Ubuntu Desktop

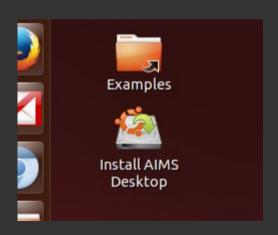


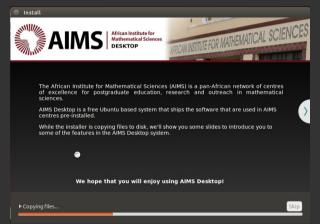
Ubuntu Installer

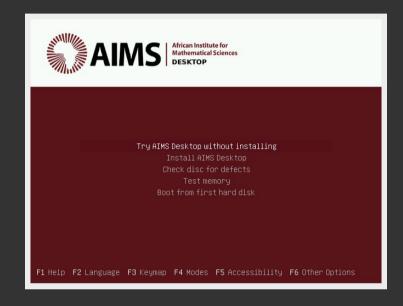


AIMS Desktop Artwork

- LightDM (login screen)
- /etc/issue (text login)
- Plymouth (bootsplash)
- Ubiquity (installer slideshow)
- gfxboot
- Wallpapers
- Disable Apport







AIMS Desktop 14.04.3 desktop tty1 desktop login:



Canonical IP Policies

Ubuntu Licencing:

http://www.ubuntu.com/about/about-ubuntu/licensing

IPRights Policy:

http://www.ubuntu.com/legal/terms-and-policies/intellectual-property-policy

Excerpts

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Commercial Definition

From license (sorry not sharing the whole thing publically), an interesting definition of commercial use:

- 3. Commercial usage: you distribute AIMS-desktop to anyone other than:
 - (a) AIMS South Africa
 - (b) AIMS centres globally
 - (c) African universities whether or not affiliated with AIMS
 - (d) Alumni of AIMS
 - (e) Researchers for AIMS

A Question To You

Do you (still) consider an Ubuntu ISO Free Software?

Or even by any other definition?

Open Source? DFSG free?

Want to contribute to AIMS Desktop?

help@aims.ac.za

