



Ubuntu powers IOT/B

Acer aBeing Developer Day

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"How to enable and accelerate innovation?"

Canonical and Ubuntu

Thurtupia an open-source operating system, currently established on server, cloud, desktop and thin client.

2004

FOUNDED

London

Boston

Canonical has been developing operating systems since 2004, and is now extending the Ubuntu OS on mobile

700°ir

EMPLOYEES

Beijing O

Taipei

30 +

COUNTRIES

Ubuntu: where are we now?



The world's 3rd most popular PC OS 90% of the Linux market



45,000,000 users and still counting



7,000 downloads every day from Windows users



#1 Guest OS in Public Clouds
AWS, HP, Azure, Google Compute..



Key topics

- 1. Power of OS innovation
- 2. Ubuntu, Snappy Ubuntu Core OS born for IOT/B
- 3. Call to Action



Classical IOT Development Environment







Wang Dao IOB Development Environment



An OS born for Open, Secure & Converge

A single platform for multiple form factors



A fully converged OS

for desktops, smartphones, tablets and IoT

A development framework

for creating cross-product applications and services

And also...

System embedded security
User identity management
Payment services

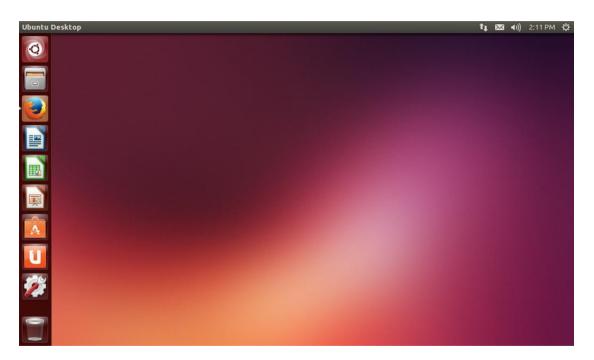
Vendor Space vs User Space



Vendor centric vs User orientation



Ubuntu for desktops |



- The culmination of years of design, user experience based on Open Source
- Secure, Virus free and more than 45,000 Apps support

Latest version OS for Desktop, Server and Cloud

Ubuntu 14.04 LTS

Long Term Support

Every two years, there's an LTS release:

Long-term support

April

Every six months, there's a new release bringing new features

2014

Ubuntu 14.04 LTS marks 20 releases of Ubuntu



5 years of free security and maintenance updates, guaranteed

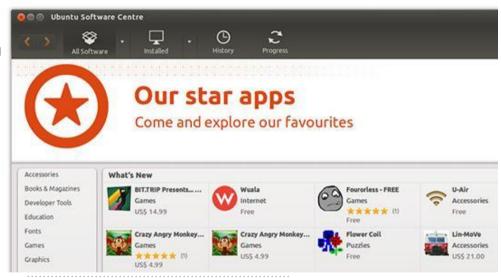
It's all about being productive

LibreOffice is included out of the box, compatible with Microsoft Office suite.

It includes all the essential productivity software for:

- Word processing
- Spreadsheets
- Presentations
- Databases

And much more

















If you prefer, Google Apps can be used in your browser or installed on your PC

Typical Ubuntu deployments in the world





Goobuntu

Goobuntu is a Linux distribution, based on the 'long term support'versions of **Ubuntu**, that is internally used by almost 10,000 of Google's employees. [1] It adds a number of packages for in-house use, including security features and disables the installation of some applications, but is otherwise similar. Thomas Bushnell, the Google manager for the company's Linux desktops, displayed Goobuntu at LinuxCon 2012. Bushnell explained that "Goobuntu is simply a light skin over standard Ubuntu." [2]

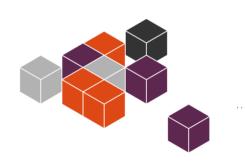
https://en.wikipedia.org/wiki/Goobuntu

Ford Autonomous Vehicles



https://media.ford.com/content/fordmedia/fna/us/en/news/2015/06/23/ford-collaborates-with-silicon-valley-innovation-ecosystem.html

Snappy Ubuntu Core is small, fast, efficient expression





Faster, more reliable, and stronger security guarantees



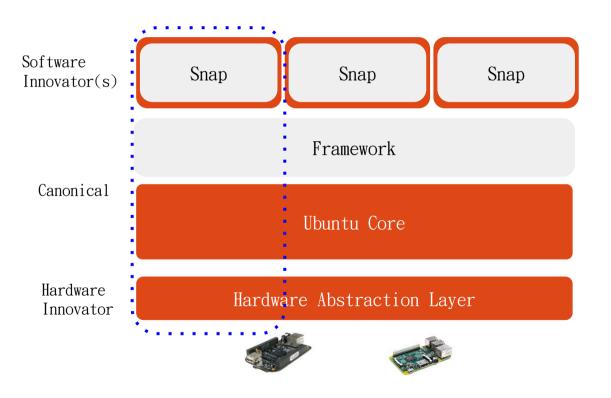
Transactionally updated Ubuntu for clouds and devices



A new, simpler application packaging system

Snappy has transactional updates

Safe, reliable, atomic, always with rollback capability

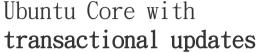


- Faster, confident, automatic updates
- Application data is backed up before each update
- Updates are applied as wholesale transactions

"Snappy" Ubuntu Core Key Features









Snappy applications are confined by Canonical's **AppArmor** kernel security system



Safe, reliable, worry free updates with rollback



Amazing developer experience with **Snappy packages**



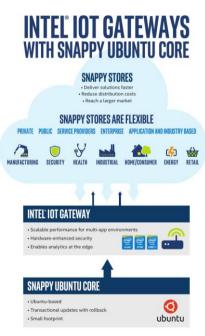
Easily extensible with **frameworks**



Perfect for **Docker** workloads

Intel IOT Gateway with Snappy Ubuntu Core





GE's FirstBuild Fridge to a drone with apps





Easy to get started for Developers



Deb2Snap too1

Convert debian packages to snap
UI and headless packages supported

:::ROS

The Robotings script that creates an Ubuntu Snappy package for the ROS tutorial.



docker snap

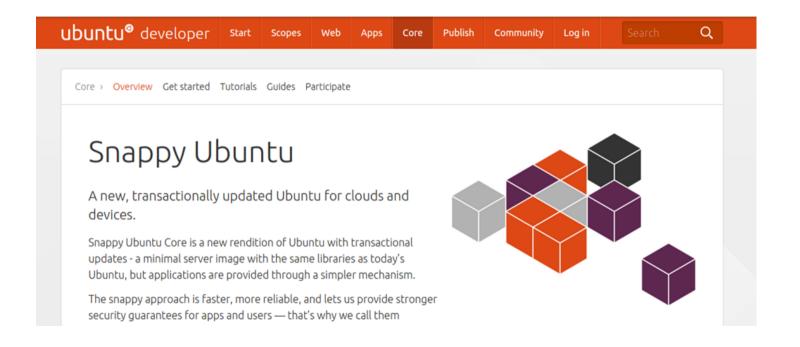
Ubuntu Core with Docker Snap can be used in many public clouds



node. js to snap

Snapify node. js project with node-snapper Tutorial available at developer. ubuntu. com

A single hub for Ubuntu development community



http://ubuntu.com/snappy

Snappy Ubuntu Core targets

















Acer + Canonical = Home and Business IoT /B

The Acer Home & SME IoT Solutions:

Jointly bring to market a platform for innovators to connect any type of device via gateways to the cloud.





The Acer NFV & Next-Gen Net Box:

Jointly bring to market a platform for business and network software innovators to disrupt the traditional legally network hardware.

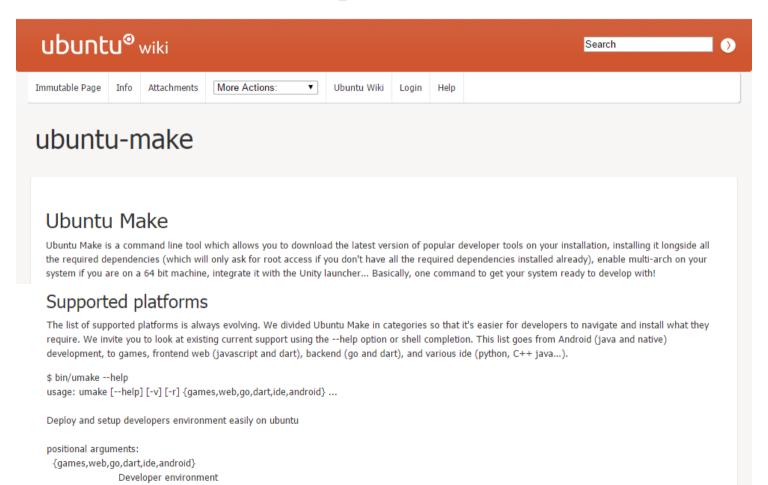


Next Generation IoT Products:

Jointly work on next-generation IoT products which benefit from Snap Stores, transactional upgrades, app containment, continuous deployment...



Ubuntu Make - Developer Tools Center



Call to actions

- 1. Try and enjoy Ubuntu OS by yourself now!
- 2. Develop IOB Apps running on Snappy Ubuntu Core
- 3. Select aBeing as your developer and testing platform





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visit www.ubuntu.com or www.canonical.com https://wiki.ubuntu.com/ubuntu-make



We are the company behind Ubuntu.