



# 2016中国开源年会

**China Open Source Conference 2016** 



### Ubuntu IoT Overview

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We are the company behind Ubuntu.

### Ubuntu is powering smart IoT



Smart drone controllers





Advanced robotics







Home gateways







**Edge gateways** 





#### Also:

- Digital signage (Broadsign, Risevision): 40% market share
- Self-driving car and in-vehicle entertainment (Tesla, Nvidia, Bosch)

### Ubuntu is the #1 Linux for developers

#1 choice for robotics development

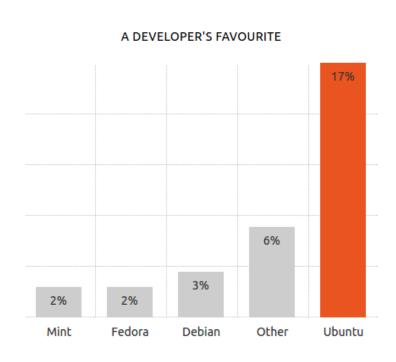


#1 choice for blockchain development



#1 choice for Artificial Intelligence





## Building for the IoT operations era

# IoT operations demand security and reliable updates

# ASUS hit by FTC with 20-year audit for bungled router security

The US Federal Trade Commission has come down hard on ASUS for putting consumers at risk from router and cloud security failings.



By Liam Tung | February 24, 2016 -- 13:36 GMT (13:36 GMT) | Topic: Security



HACKERS REMOTELY KILL A JEEP ON THE HIGHWAY—WITH ME IN IT



Stranger hacks family's baby monitor and talks to child

# IoT operations demand security, reliable updates and new business models

# Selling accessories, software and services... (beyond the box revenue)





# ubuntu®core

A minimal Ubuntu designed for IoT operations

### What is Ubuntu Core?



A minimal version with the same bits as classic Ubuntu



Built on snaps, from kernel to OS and applications



Snaps are confined by technologies led by Canonical



Safe, reliable, worry free **updates** with tests and rollback



Amazing developer experience with snapcraft



Easily create **app stores** for all your devices

### Snap - a universal Linux package format

Contained, updatable, secure apps

#### Supported distros



















#### Example snaps / frameworks















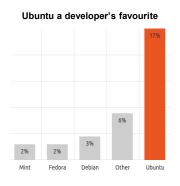


### Ubuntu #1 for robotics developers



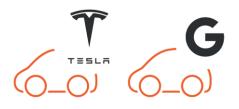


**80%** participants ran ROS on Ubuntu











Are all running on Ubuntu

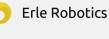
**Autonomous cars makers love Ubuntu** 

### **Ubuntu Core References**







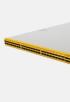














Devices







































#### **Ubuntu Core - Drones**











Parrot



**Aerotenno** 







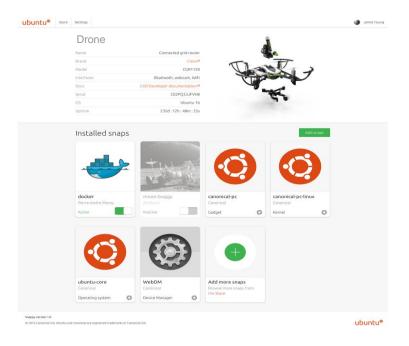












### Building the era of smart drones

Upgrade. Applications. Revenues. Security. Maintenance. Compatibility.