

Ubuntu 創新 Core 20 產品發布 & 技術研討會



邊緣計算到雲端基礎設施的下一代堆棧

Tony Chiang

General Manager Taiwan, Canonical

Cloud to Edge

Canonical's offering and why it matters

Tony Chiang

General manager Taiwan

CANONICAL + ubuntu 

2004

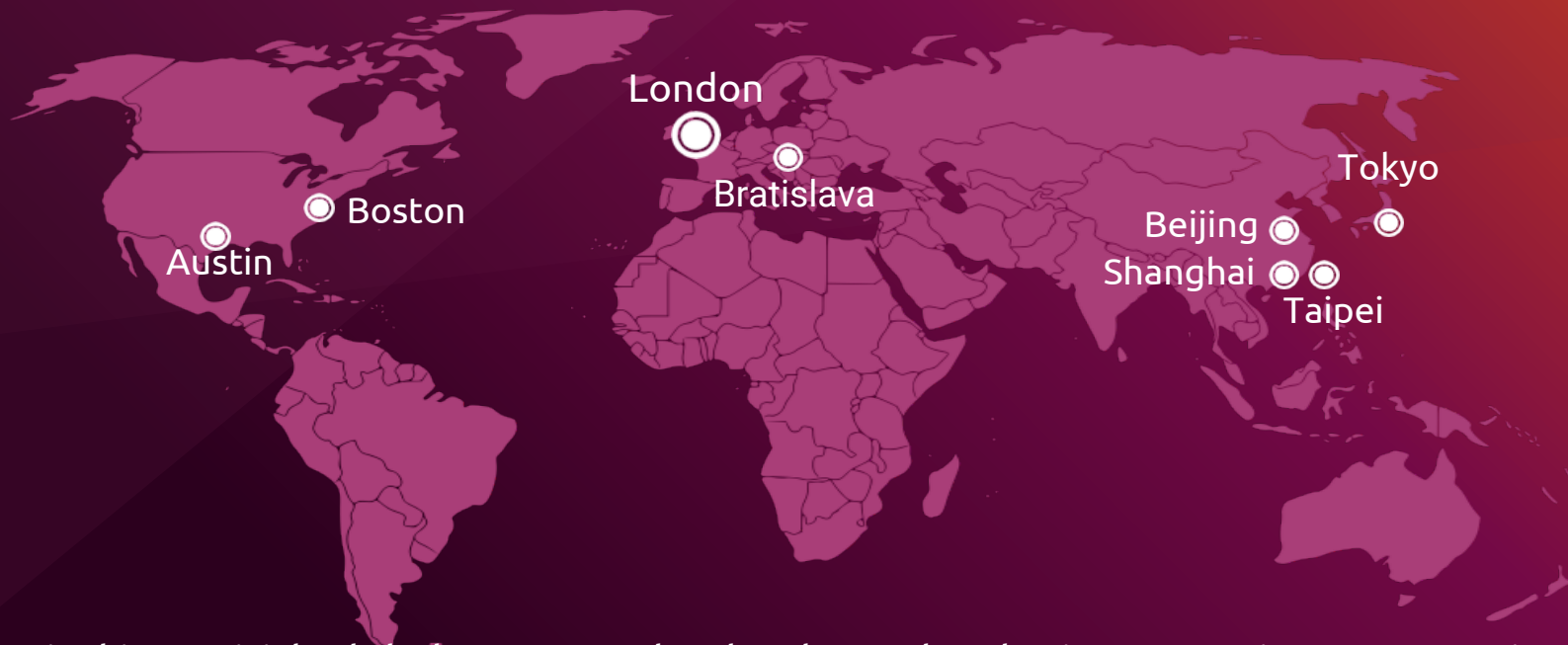
FOUNDED

>700

EMPLOYEES

30+

COUNTRIES



Canonical is a British global company that has been developing operating systems since 2004

Cloud

Edge



IOT key successes

rexroth
A Bosch Company

ABB

SIEMENS

Honeywell

AVNET

KMC
CONTROLS

DUKE
ENERGY

遠通電收

Solution

ADVANTECH

ADLINK

DFI

AAEON
AAEON TECHNOLOGY INC.

Hardware

DELL

lenovo

intel

MEDIATEK

Qualcomm

NVIDIA

Processors

Canonical Offerings



ubuntu[®]

The new standard secure enterprise Linux for servers, desktops, cloud, developers and things

ubuntu.com ›

Security

Extended Security Maintenance, Kernel Livepatch, FIPS, enterprise support and certification

ubuntu.com/security ›

Landscape

Updates, package management, repositories, security, and regulatory compliance for Ubuntu

landscape.canonical.com ›

MAAS

Dynamic server provisioning and IPAM gives you on-demand bare metal, a physical cloud

maas.io ›

LXD

The pure-container hypervisor. Run legacy apps in secure containers for speed and density

linuxcontainers.org ›

Juju

Model-driven cloud-native apps on public and private infrastructure and CAAS

jaas.ai ›

openstack

Upgrades, maintenance, support, and fully managed options for long-term low-cost infrastructure

ubuntu.com/openstack ›

kubernetes

App portability for K8s on VMware, Amazon, Azure, Google, Oracle, IBM and bare metal

ubuntu.com/kubernetes ›

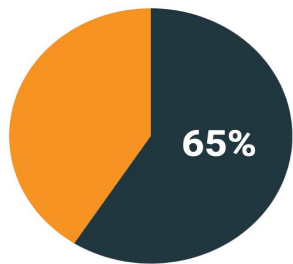
snapcraft

The app store with secure packages and ultra-reliable updates for multiple Linux distros

snapcraft.io ›

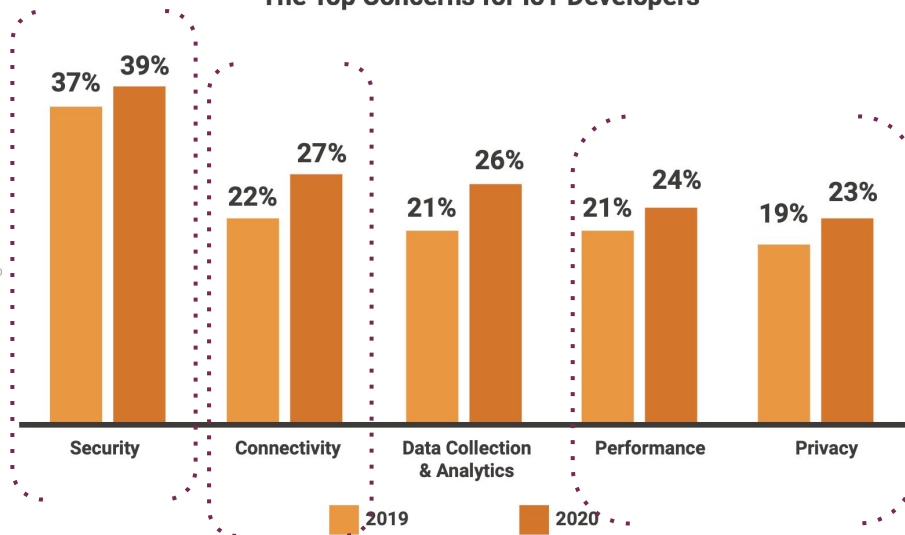
Ubuntu--the best IOT platform

IoT is Synonymous with Open Source



65% of respondents either experiment with, use or contribute to open source projects.

The Top Concerns for IoT Developers



Millions of open source software

Influential tech



The enterprise compute continuum

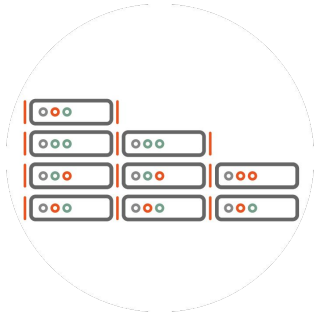
Cloud



Edge



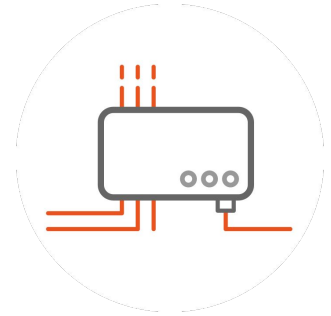
Public Cloud



Private Cloud



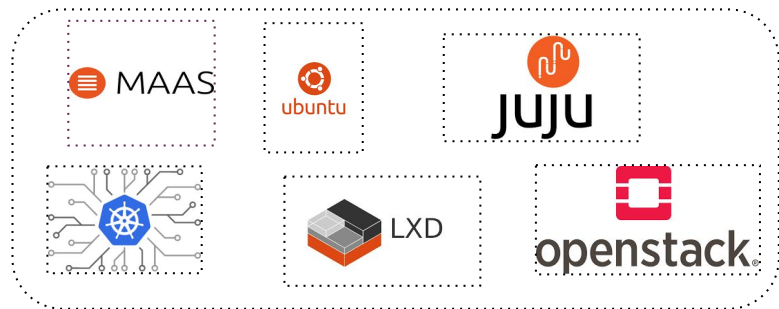
Micro Cloud



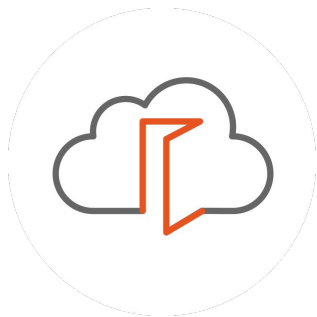
Internet of Things

Automation, efficiency, flexibility

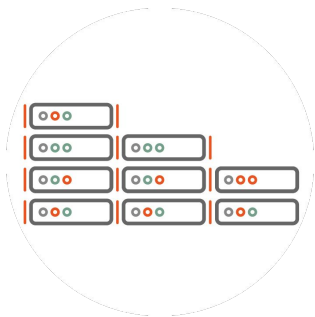
Cloud



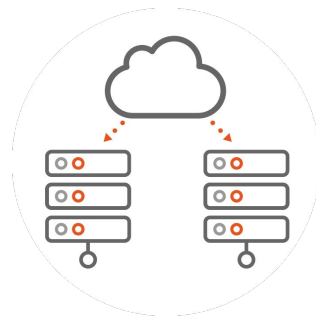
Edge



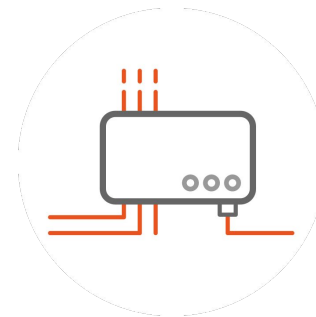
Public Cloud



Private Cloud



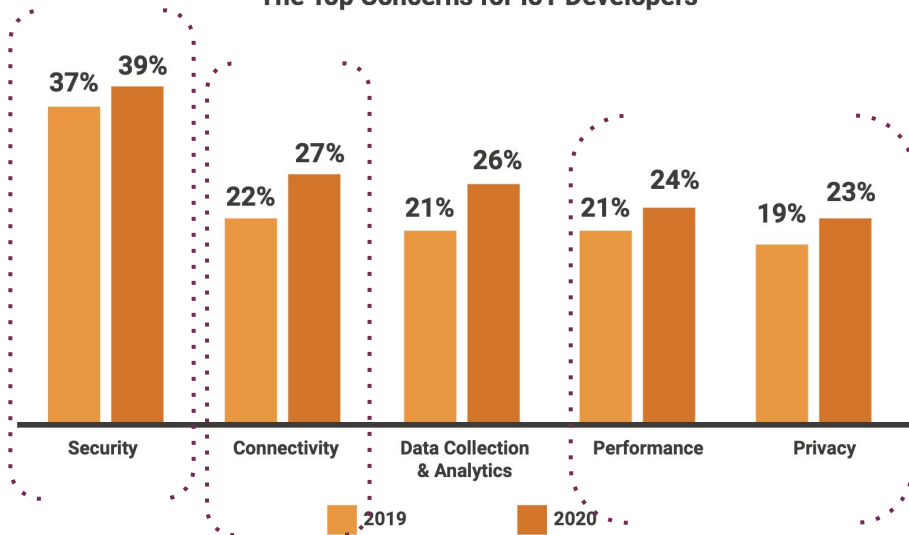
Micro Cloud



Internet of Things

Technologies addressing top concerns

The Top Concerns for IoT Developers



Edge

MicroK8s

snappy

Core

snapcraft

EDGE X FOUNDRY



Ubuntu certified hardware

The foundation



Sample hardware components & interfaces

- CPU
- GPU
- Memory
- Bios
- USB
- Wifi
- Bluetooth
- PCIe
- Touch panel
- Camera
- GPIO
- Audio
- UART
- I2C
- Hard Disk
- Ethernet
- Modem
- SD
- Thunderbolt



Phase 1: hardware enablement

Upgradability

Verifying system is ready for all future updates and security upgrade

Performance

Ensuring the system meets Ubuntu performance standard

Stability

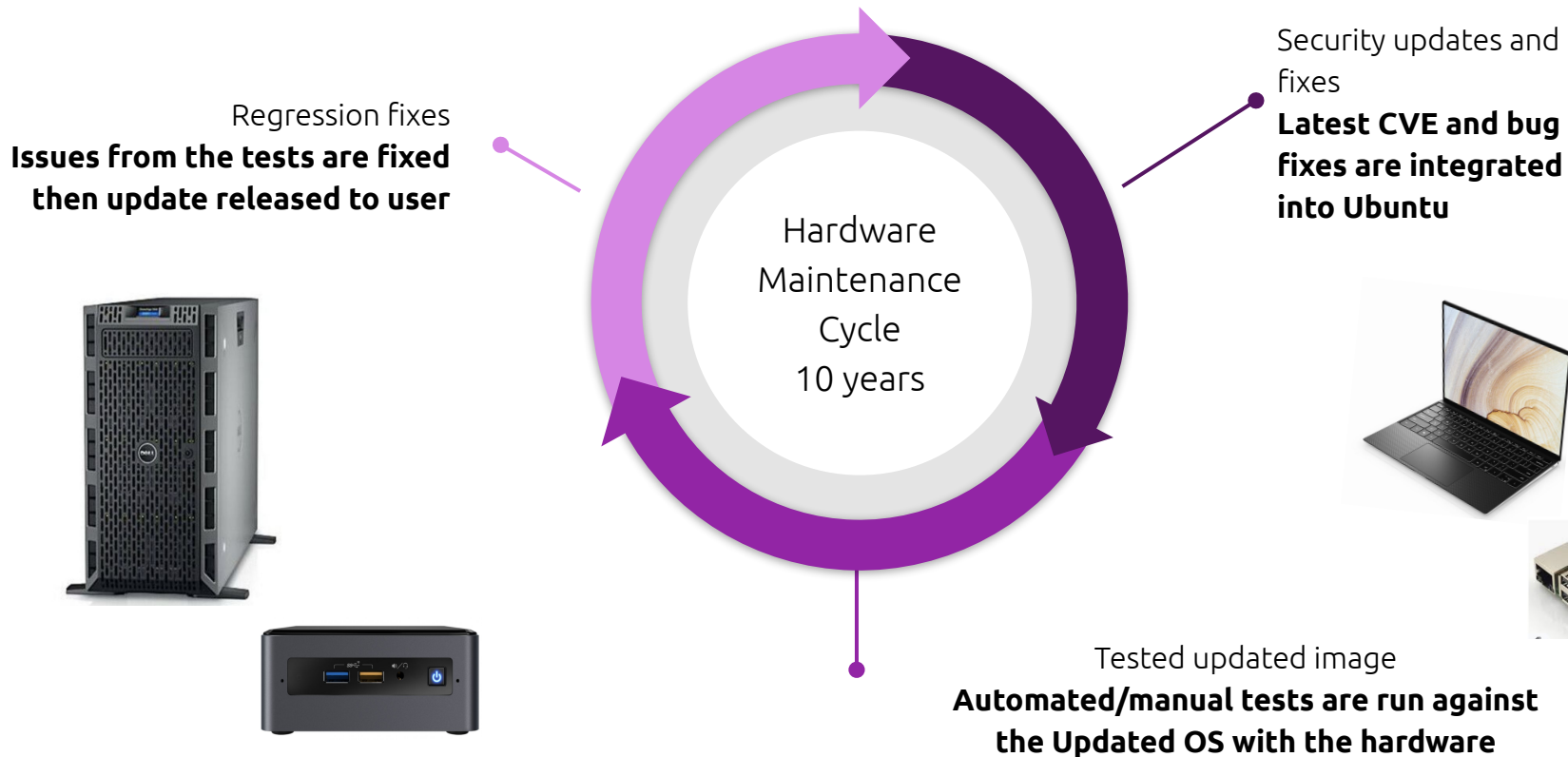
Verifying the OS/HW platform can meet region workload

Functionality

Perform test to verify each hardware component is working properly

- Bug Fixes
- OS modification

Phase 2: certification security maintenance





Thank you. Questions?