Our Battlegrounds

Public Cloud

Datacenter

Internet of Things & Robotics

Edge Cluster
The Ubuntu Robotics Vision

A World Where all Robots are Proactively Secured, Supported and Maintained
Let’s talk

Snaps on Ubuntu Core

Continued Support for Python 2

Extended Support for ROS
Snaps are containerised software packages for all Linux distributions.

snap code & assets
(squashfs, RO bind-mounted in /snap/<snap_name>/<version>)
$SNAP
Snaps and their Growing Momentum

Top deployment devices

Key desktop snaps

Key IoT snaps

Key cloud snaps
Transactional Updates for Apps, OS & Kernel

- Original data
  Writable area
  Original snap

Upgrade

Modified data during upgrade
Writable area
Updated snap

Rollback on failure

Original data
Writable area
Original snap

Original data is kept on device for records

Original data
Writable area
Original snap

Original snap
Snap Security

- Snaps are containerised, encrypted and automatically confined
- Snaps can still talk to each other and other systems through interfaces
- The user has complete control over their snaps
- The most secure environment for applications on Linux
What Snap Stores are

A Place for Collaboration

A Home for a Community of Support

Centres for Software Management

snapcraft
How Stores Are Useful

- Security
- Software Distribution and Deployment
- Collaboration

snapcraft
Why They’re Great

Community

Potential for Privatisation

Cross Language and Distro Compatible

snapcraft
What is ESM for ROS?

Extended Security Maintenance
How ESM is Useful
Why ROS ESM is Great

- Maybe you hate change?
- Maybe you’re not quite ready to move to ROS 2
- Maybe you have robots out there still and the transition is just too painful
If you haven’t said hello already, come and say hi at the break, I’m new - Any questions?