System containers

What are they?

- The oldest type of containers
  *BSD jails, Linux vServer, Solaris Zones, OpenVZ, LXC and LXD.*

- Behave like standalone systems
  *No need for specialized software or custom images.*

- No virtualization overhead
  *They are containers after all.*
Let’s look at LXD

What it IS

➔ Simple
  *Clean command line interface, simple REST API and clear terminology.*

➔ Fast
  *Optimized storage and image management.*

➔ Secure
  *Safe by default. Combines all available kernel security features.*

➔ Scalable
  *From a single container on a developer’s laptop to thousands of containers per host in a datacenter.*
Demo time!
Physical systems to containers

Why?
Demo time!
LXD: the container hypervisor

LXD itself

- Written in Go
- Fully translatable
- API client in Go and python
- Apache2 licensed
- No CLA

git clone https://github.com/lxc/lxd
Questions?

Try LXD at: https://linuxcontainers.org/lxd/try-it
Stickers are available in front!