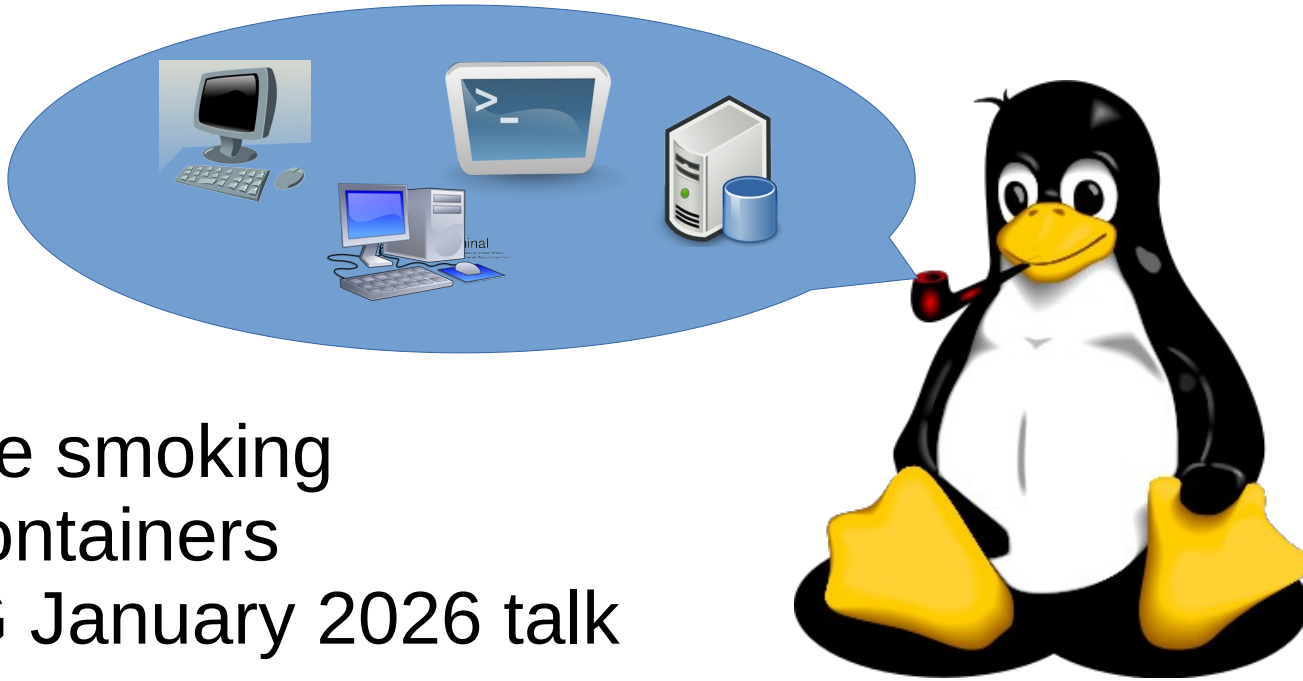


Modern Treasures: Incus







Continue smoking
Linux containers
KWLUG January 2026 talk

Incus – the biggest cloud of them all



Options for many things in one box:

| | |
|---------------------|--|
| chroot & jails |  |
| virtual machines |  |
| Docker & LXC |  |
| Incus |  |

~~LXC~~ Incus demo showing that only few sub-commands are needed

- ~~lxc~~ incus ls
- ~~lxc~~ incus launch <init_image> <container_name> [--vm]
- ~~lxc~~ incus delete <container_name> [-f]
- ~~lxc~~ incus start/stop/restart <container_name>
- ~~lxc~~ incus exec <container_name> -- ... command
- ~~lxc~~ incus file pull <container_name>/src <local>/
- ~~lxc~~ incus file push <local> <container_name>/destination

Splendid docs at <https://linuxcontainers.org/incus/docs/main/>

Image building vs Docker build file

```
FROM ubuntu
# node 10 and minimal
RUN apt-get update
RUN apt-get install apt
RUN apt-get upgrade -y
RUN apt-get install curl
RUN curl -sL https://deb.nodesource.com/setup_10.x
RUN apt-get install -y nodejs
# gcc and g++
RUN apt-get install -y gcc g++
# rust
RUN curl https://sh.rustup.rs | sh
    chmod u+x /root/.cargo/bin/*
    mv /root/.cargo/bin/* /root/install
    rm /root/.cargo/bin/*
    ln -s /root/install/* /root/.cargo/bin/

incus launch ubuntu build-container

incus exec build-container -- apt-get update
incus exec build-container -- apt-get install apt-utils -y
....

incus stop build-container

incus publish build-container my-image

incus delete build-container
```

Modern habits: make a bunch of image for own specific requirements, i.e. go wild



<https://linuxcontainers.org/incus/docs/main/images/>

Application containers (decade in)



Solomon Hykes
@solomonstre

If WASM+WASI existed in 2008, we wouldn't have needed to create Docker. That's how important it is. Webassembly on the server is the future of computing. A standardized system interface was the missing link. Let's hope WASI is up to the task!



Lin Clark ✓ @linclark · Mar 27, 2019

WebAssembly running outside the web has a huge future. And that future gets one giant leap closer today with...

📢 Announcing WASI: A system interface for running WebAssembly outside the web (and inside it too)

[hacks.mozilla.org/2019/03/standa...](https://hacks.mozilla.org/2019/03/standards-for-webassembly/)

[Show this thread](#)

4:39 PM · Mar 27, 2019 · Twitter Web Client

Dotted i's and crossed t's

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- IncusOS to build own cloud in style



