

Docker 1.11

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Kraków, devOPS meetup #9

2016-04-14

Docker 1.11: The first OCI-compliant runtime, built on containerd



By [Arnaud Porterie](#)

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 *Compose, docker, docker 1.11, docker compose, Docker engine, docker machine, Docker Registry, docker release, docker swarm, engine, Machine, Swarm*

We are excited to introduce Docker Engine 1.11, our first release built on [runC and containerd](#). This is the first OCI-compliant runtime and demonstrates the progress since donating our industry-standard container format and runtime under the Linux Foundation in [June](#) of last year.

<https://blog.docker.com/2016/04/docker-engine-1-11-runc/>

This is very important change

- Docker was created in dotCloud as engine for their PaaS
- PaaS times were hard in 2013;
- Decision to open - source Docker
- LXC based, created for one purpose
- dotCloud pivot: Docker inc is created
- Docker is now the main product
- <http://www.trinityventures.com/pivot-worked-docker-story/>

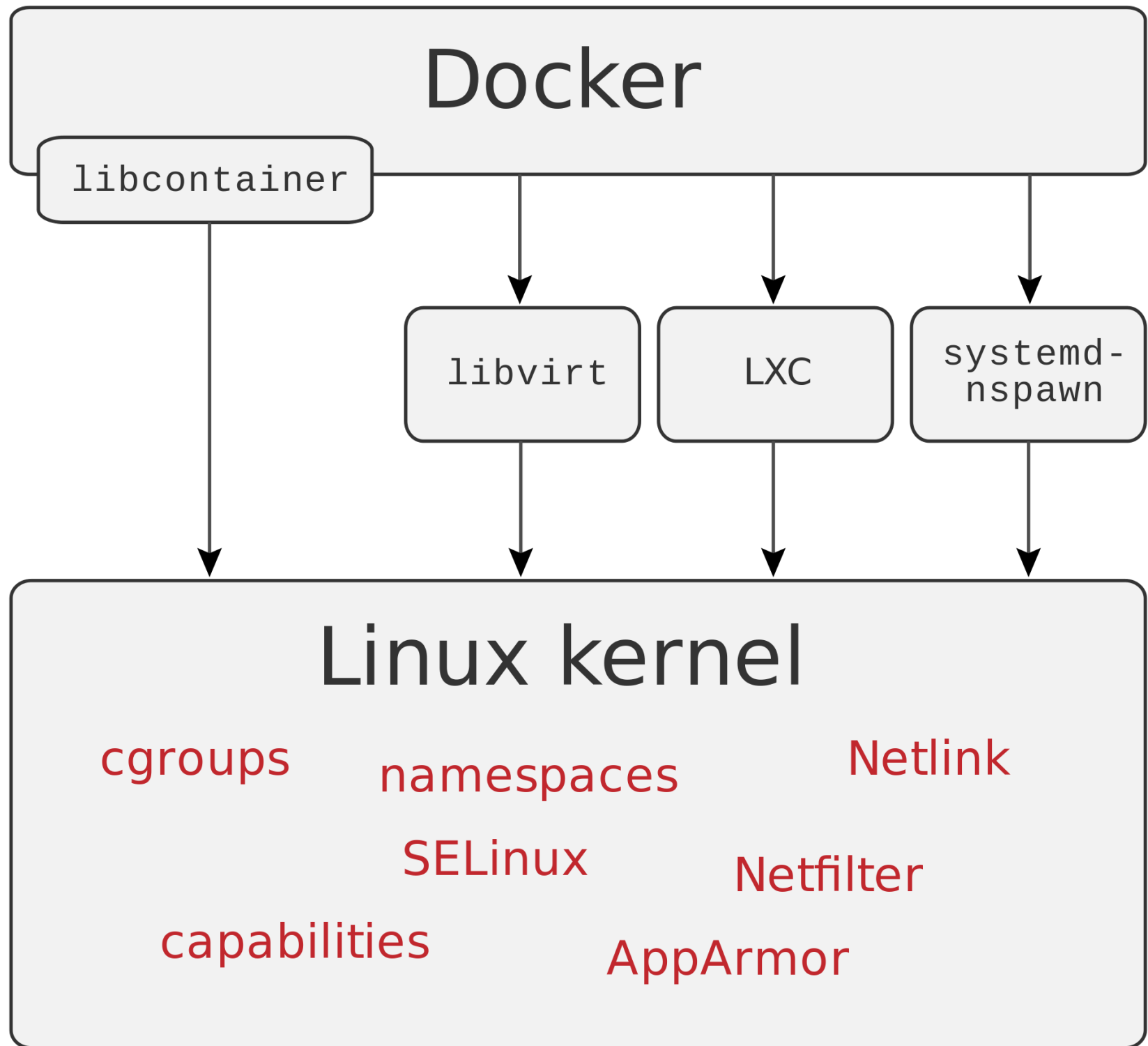
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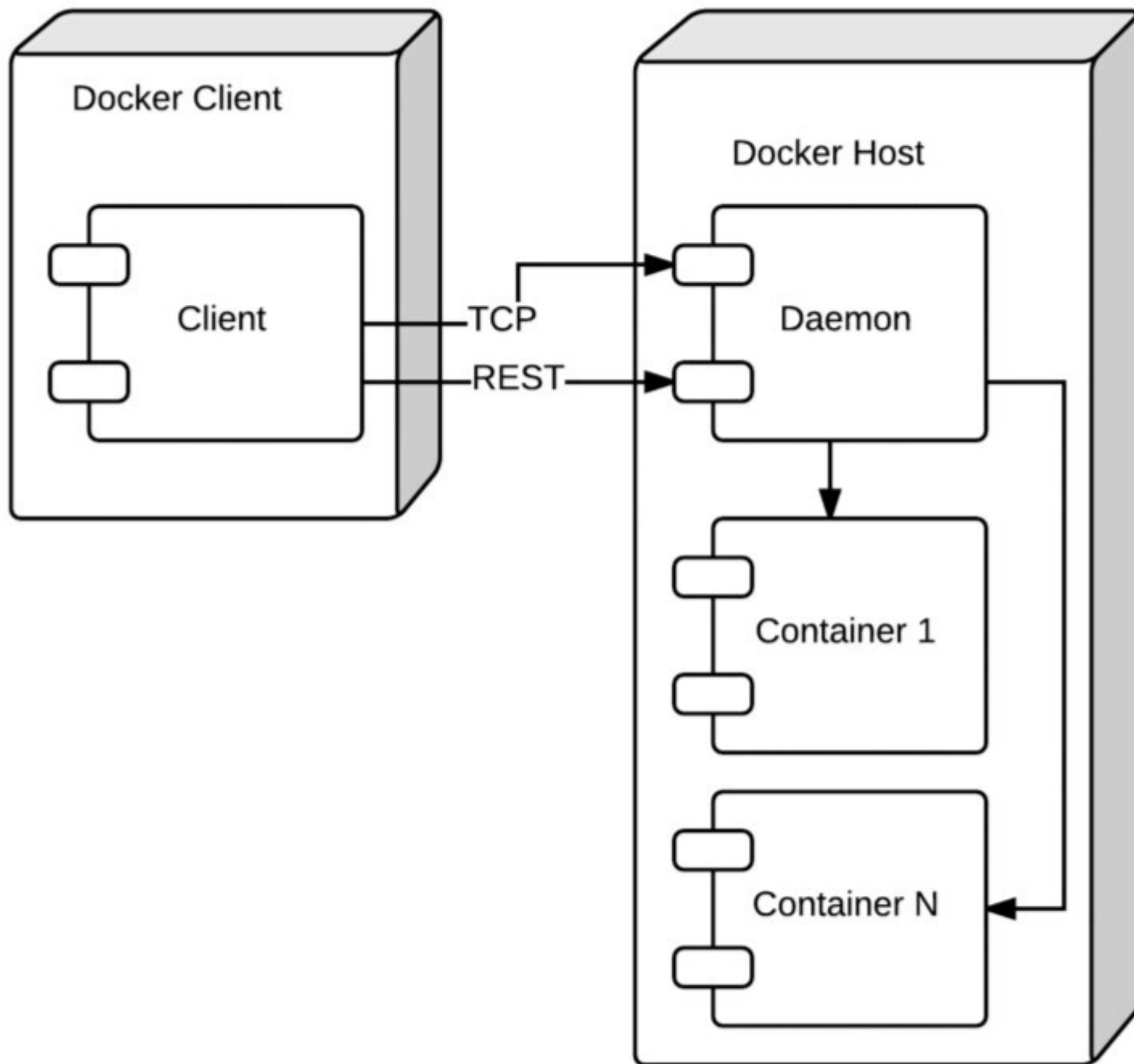
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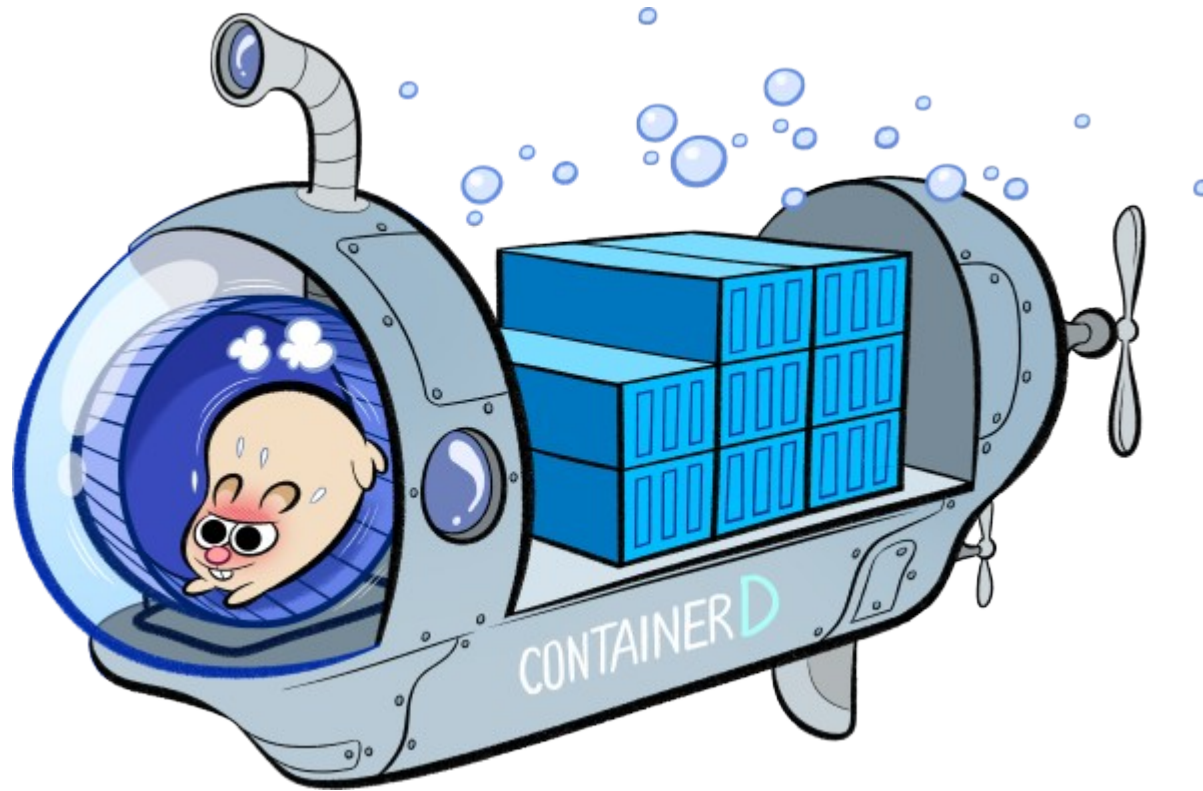
<https://www.opencontainers.org/>

<https://github.com/opencontainers/runtime-spec>

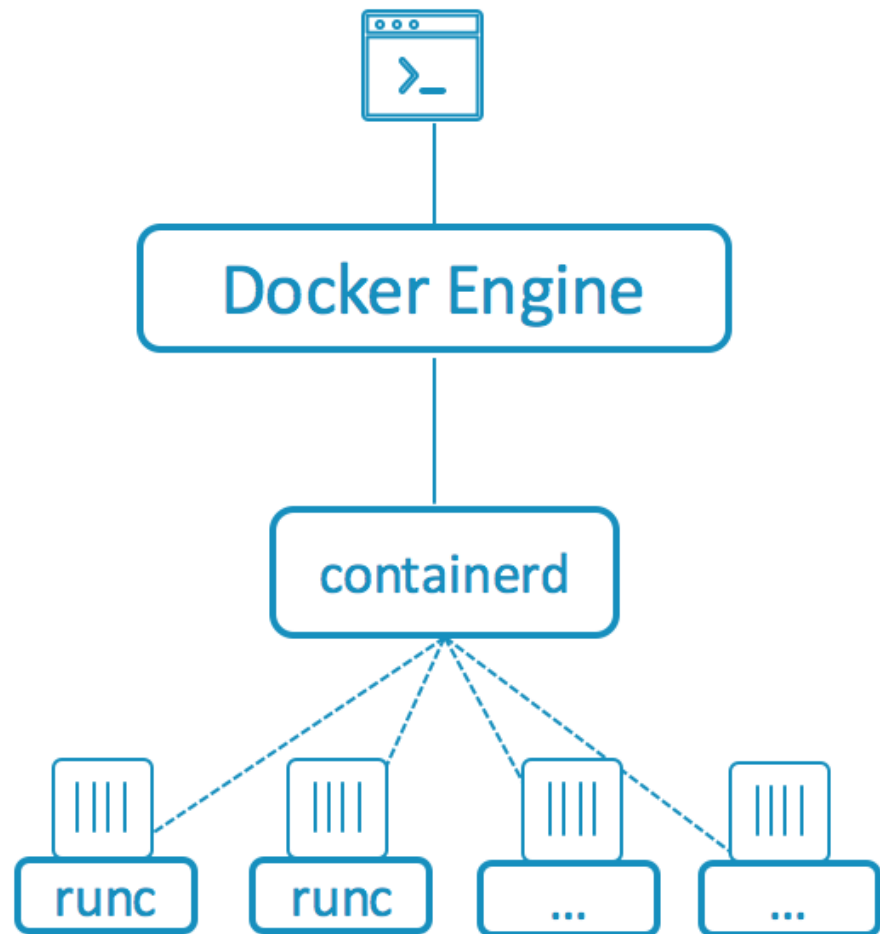


runC

Implementation of OCF



Daemon (API + cli client) for managing runC containers

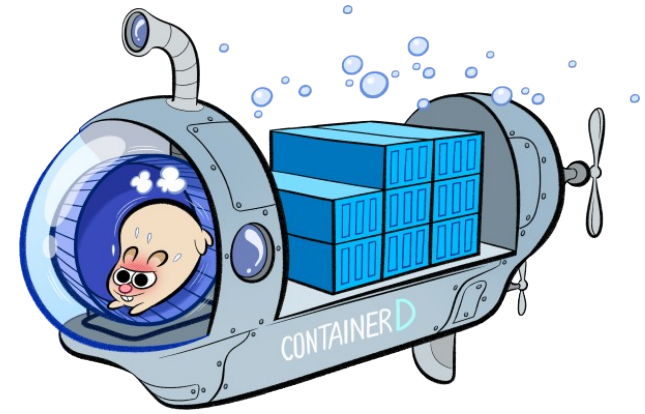


Same Docker UI and commands

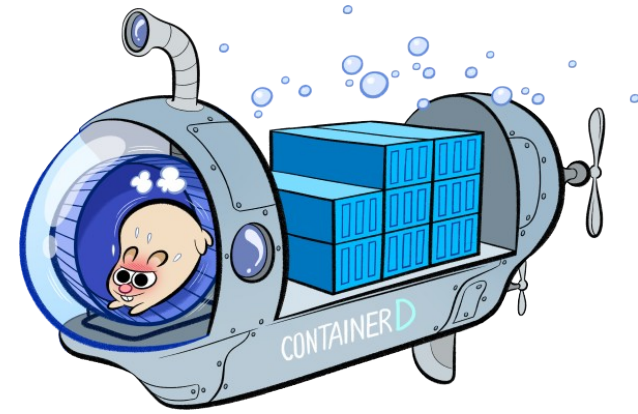
User interacts with the Docker Engine

Engine communicates with containerd

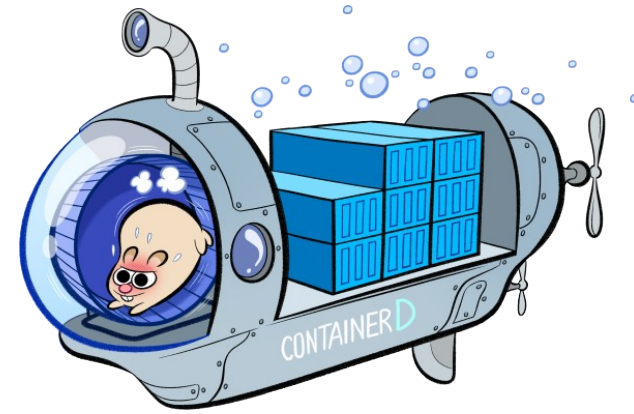
containerd spins up runc or other OCI compliant runtime to run containers



- integration with systemd (via runC)
- backwards docker compatibility (hmm not sure)

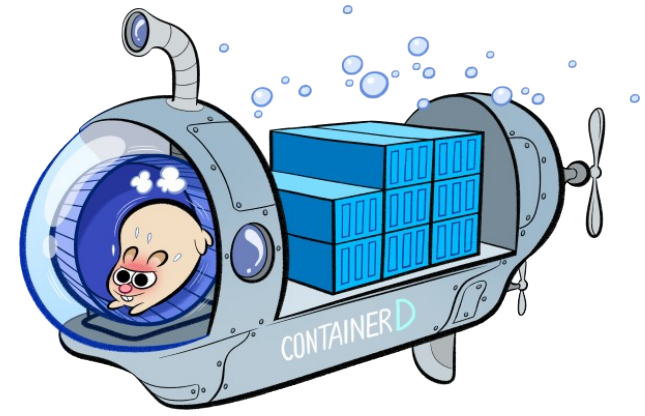


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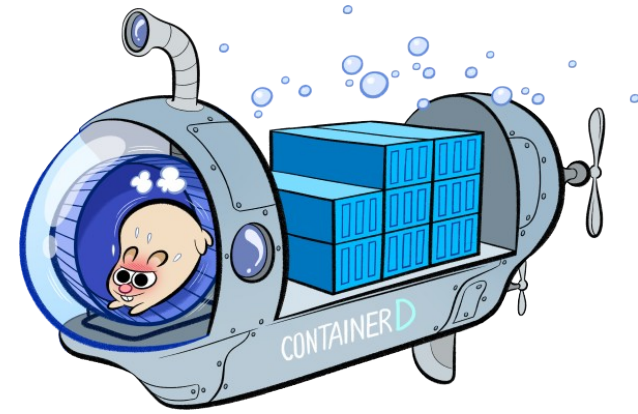
Summing up:

- status changed to “complicated”
- let's wait and see (after others upgrade)
- I'm gonna stick for a while w/systemd-nspawn



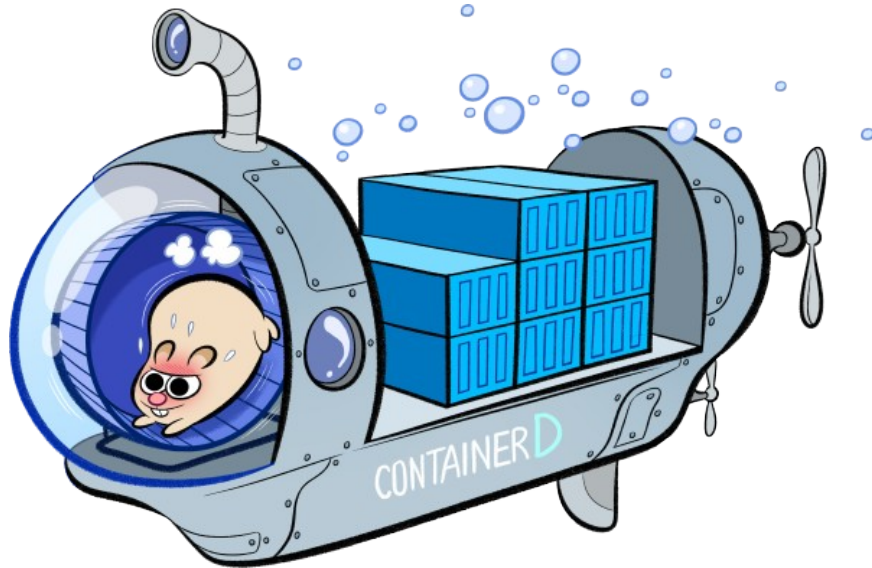
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