



Berner Fachhochschule
Haute école spécialisée bernoise
Bern University of Applied Sciences

Linux Group Meeting 2016-2

Tuesday, 8th March 2016 15:00-16:00

BFH - Conference Room C.O.R.A. (Dammweg 3, 1st. Floor, Bern)

Daniel Baumann <daniel.baumann@bfh.ch>

David Kunz <david.kunz@bfh.ch>

IT System Engineer, Infrastructure Team

Overview

bad9

- ▶ container-tools

kud3

- ▶ Icinga-camp

- ▶ Varia

container-tools

Recap: Why current LXC is broken beyond repair

Technology

- ▶ uses unmaintained depends (libnih etc.)
- ▶ still does not work with systemd
- ▶ cgmanager/lxcfs hell

Social

- ▶ uncooperative, inexperienced upstream wrt/ system bootstrapping

Recap: LXC alternatives?

Alternatives

- ▶ openvz: community version basically dead
- ▶ lxcftfy: proof of concept only
- ▶ libvirt: not really, systemd problems
- ▶ docker: not really, systemd problems
- ▶ rkt: not really, works with systemd but uses go dependencies

Summary

- ▶ all alternatives are not doing proper system bootstrapping (yes, I can say that without NIH here...)

Solution

- ▶ systemd-nspawn

systemd-nspawn

Missing Parts

- ▶ system integration: therefore, container-tools
- ▶ documentation
- ▶ some features (e.g. booting detached)

Bugs

- ▶ ctrl+[[[sometimes kills the container „improper“, reboot needed.

Workarounds

- ▶ start initial screen on container servers

container-tools

Overview

- ▶ homepage
- ▶ source Control
- ▶ sources
- ▶ installation (repo and versioning)
- ▶ documentation
- ▶ use Cases

Demo

- ▶ container/cnt
- ▶ container-shell/cntsh

Future

- ▶ general missing parts and features
- ▶ unified system installation

icinga-camp

Varia

Varia

▶ Roadmap Status

▶ OTRS

Thank You for Your Attention.

♥ Source Code is freely available

```
git clone git://git.bfh.ch/git/staff/bad9/other/talks.git
```