



Berner Fachhochschule  
Haute école spécialisée bernoise  
Bern University of Applied Sciences

## Linux Projects

ITS Meeting

Tuesday, 3rd November 2015 14:00-15:00

BFH - Conference Room HAL 9000 (Dammweg 3, 1st. Floor, Bern)

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IT System Engineer, Infrastructure Team

# Overview

- ▶ Grand Unified Theory
- ▶ Roadmap

# Grand Unified Theory

# Project Map

## **Main Projects**

- ▶ ceph aka LFE Storage
- ▶ openstack aka LFE Cloud
- ▶ packetfence aka OpenWIFI aka NAC

## **Auxilliary Projects**

- ▶ ELK aka Linux Logging
- ▶ grafana aka Linux Metering
- ▶ icinga aka Linux Monitoring

## **Bootstrapping**

- ▶ container-tools
- ▶ auto-ca
- ▶ ansible

# DNS Map

## Current Infrastructure

- ▶ \*.its.bfh.ch

## New Infrastructure

- ▶ \*.ceph.bfh.ch
- ▶ \*.openstack.bfh.ch
- ▶ \*.linux.bfh.ch

**Note:** this reflects the host systems, not the services. services are in containers only.

# Document Map

- ▶ Masterplan (Design)
- ▶ Manual (Implementation)
- ▶ Roadmap (Time)

# Roadmap

## Tasks for the next few weeks

### **bad9**

- ▶ container-tools and auto-ca
- ▶ debian-installer and packaging

### **pup1**

- ▶ nfs and smb fileserver
- ▶ ELK

### **kud3**

- ▶ icinga
- ▶ documentation

### **nas3**

- ▶ [wiki.bfh.ch](http://wiki.bfh.ch)
- ▶ ceph virtualbox (IPA exercise)



Thank You for Your Attention.

♥ Source Code is freely available

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