



Berner Fachhochschule
Haute école spécialisée bernoise
Bern University of Applied Sciences

Linux Desktop Workshop (1/2)

Workshop for IT Service Support Team

Thursday, 20th November 2014 13:00 – 15:00

BFH – Room HAL 9000 (Dammweg, Bern)

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IT System Engineer, Team Infrastructure Services

Overview

Part 1 - Information

- ▶ ITS Linux System Administration
- ▶ Linux Desktop
- ▶ Terminology
- ▶ Support Matrix

Break

Part 2 - Installation

- ▶ Known Issues and Missing Parts
- ▶ Installation

Part 1 – Information

ITS Linux System Administration (1/2)

Job

- ▶ Everything running on Linux (with a few exceptions only :)
- ▶ ~130 Servers and the Desktop
- ▶ Yes, all our documentation is in English

Homepage

- ▶ <https://linux.bfh.ch>
- ▶ <https://blog.bfh.ch/its-crowd>

Contact

- ▶ Mailing List: its-linux-sysadmin@lists.bfh.ch
- ▶ IRC: [#its-linux-sysadmin](irc://irc.oftc.net)

Meetings

- ▶ Every odd months of the year
- ▶ Next meeting: 2015-01 (see <https://linux.bfh.ch/system-administration>)

ITS Linux System Administration (2/2)

LDAP Groups

- ▶ Root Access on all systems (with a few crypto/sensitive exceptions): INR_SERVICES.its-linux-masters
- ▶ Root Access on all systems (including crypto/sensitive systems): INR_SERVICES.its-linux-sysadmin

System Administration Rules

- ▶ Look at everything you like, we don't hide anything
- ▶ Change things only if you are absolutely sure about its consequences
- ▶ If unsure, ask
- ▶ If something goes wrong, tell immediately
- ▶ Making mistakes occasionally is fine, but don't do the same twice

Linux Desktop

Entry Point

- ▶ <https://linux.bfh.ch/desktop>

Support

- ▶ IRC: [#bfh-linux-users](irc://irc.oftc.net)
- ▶ Mailing List: bfh-linux-users@lists.bfh.ch
- ▶ OTRS: <https://servicedesk.bfh.ch>

Scope

- ▶ We do not support Ubuntu or any other non-Debian distribution
- ▶ We do not support local customizations, unofficial packages, etc.
- ▶ ...but we try to help!

Terminology

System Types

- ▶ Installer System
- ▶ Live System
- ▶ Live-Installer System (live-installer) vs. Combined Images

System Images

- ▶ ISO and ISO Hybrid
- ▶ USB Images (with and without Persistence)
- ▶ Netboot Tarballs (PXE)
- ▶ Virtual Images (OVA)

System vs Service

Matrix as of Today

Type	Live?	Installer?	Persistence?	Root?
DVD Image	Yes	Yes	BFH User: Yes Local User: No	Live: Yes Installer: no
USB Stick	Yes	Yes	BFH User: Yes Local User: No	Live: Yes Installer: no
Netboot (@BFH only)	Yes	No	Yes	Live: No Installer: n/a
Server (@BFH only)	n/a	n/a	Yes	No

Break

Part 2 – Installation

Known Issues and Missing Parts

Known Issues as of Today

- ▶ Keyboard Layout is set to en_US
- ▶ No non BFH Login possible
- ▶ No BFH default partitioning scheme yet
- ▶ Package Selection and Package Preconfiguration incomplete (Documentation exists though)
- ▶ Additional Packages not yet uploaded to Repository

Missing Parts wrt/ Support until 2014-12-01

- ▶ Installation Guide and Checklists
- ▶ Installer via PXE

Installation

Media Download

- ▶ <https://linux.bfh.ch/desktop>

Create a new Virtual Box VM

- ▶ 10GB Disk and 2048MB RAM

Thank You for Your Attention.

♥ Source Code is freely available

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

Further Ressources and Contact Information

Debian

- ▶ Homepage: <http://debian.org> and <http://live.debian.net>
- ▶ Mailing List: debian-user@lists.debian.org, debian-user-german@lists.debian.org, and debian-live@lists.debian.org
- ▶ IRC: [#debian](irc://irc.oftc.net), [#debian.de](irc://irc.oftc.net), and [#debian-live](irc://irc.oftc.net)

Debian Ressources

- ▶ <http://debian-handbook.info> (English and French book, free)
- ▶ <http://debiananwenderhandbuch.de> (German book, free)
- ▶ Debian 7: System Administration Best Practices, Rich Pinkall Pollei, Packt Publishing 2013 (English ebook, 20 USD)
- ▶ Debian GNU/Linux, Heike Jurzik, 5. Auflage, Galileo Press 2013 (German book, 60 CHF)

- ▶ <http://debian.org/doc/>, Debian Documentation
- ▶ <http://live.debian.net/manual>, Debian Live Documentation
- ▶ <http://planet.debian.org>, Debian Blog Aggregator