

mfsBSD

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About this presentation

In this presentation I want to explain the following:

- ▶ What is mfsBSD
- ▶ How can mfsBSD be used
- ▶ Live demonstration of mfsBSD



Introduction

mfsBSD is a set of scripts that creates a RAM-only FreeBSD installation



History

- ▶ mfsBSD originates from depenguinator (Collin Precival, 2003)
- ▶ project started in 2007 with FreeBSD 6.x using geom_uzip
- ▶ today works with FreeBSD 9.0
- ▶ everything possible is xz compressed



Features

- ▶ runs completely from memory
- ▶ manual or auto-dhcp network configuration
- ▶ additional user packages
- ▶ highly customizable
- ▶ NEW: roothack by Ed Schouten (compress everything with xz)



Availability

- ▶ ISO images from <http://mfsbsd.vx.sk/>
- ▶ standard or SE (special edition)
- ▶ easily customizable source code



Use cases

- ▶ rescue system
- ▶ FreeBSD installation
- ▶ diskless network boot



Rescue system

- ▶ repair misconfigured or damaged systems
- ▶ modify boot disk drives (re-partitioning)
- ▶ make changes to root ZFS pools
- ▶ used by dedicated server providers (e.g. Hetzner)



FreeBSD installation

- ▶ install or upgrade FreeBSD
- ▶ special edition ISO (tarfile with full FreeBSD install)
- ▶ zfsinstall and destroygeom helper scripts



Diskless network boot

- ▶ works with pxeboot and pxelinux
- ▶ TFTP-enabled loader recommended



Live Demonstration



Thank you for your attention!

