

FreeBSD und Rooobert

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Welcome to FreeBSD!

Before seeking technical support, please use the following resources:

- o Security advisories and updated errata information for all releases are at http://www.FreeBSD.org/releases/ always consult the ERRATA section for your release first as it's updated frequently.
- o The Handbook and FAQ documents are at http://www.FreeBSD.org/ and, along with the mailing lists, can be searched by going to http://www.FreeBSD.org/search/. If the doc package has been installed (or fetched via pkg_add -r lang-freebsd-doc, where lang is the 2-letter language code, e.g. en), they are also available formatted in /usr/local/share/doc/freebsd.

If you still have a question or problem, please take the output of 'uname -a', along with any relevant error messages, and email it as a question to the questions@FreeBSD.org mailing list. If you are unfamiliar with FreeBSD's directory layout, please refer to the hier(7) manual pages. If you are not familiar with manual pages, type 'man man'.

Edit /etc/motd to change this login announcement.

root@tinderbox:/root # 📕

FreeBSD

- Open Source Betriebssytem unter BSD-Lizenz
- abgeleitet von BSD Unix
- Grundlage f
 ür Darwin, Juniper JunOS
- FreeNAS, pfSense, PC-BSD

Versionshistorie

- 1993 FreeBSD I
- 1994 FreeBSD 2
- 1998 FreeBSD 3
- 2000 FreeBSD 4 IPv6; OpenSSH
- 2003 FreeBSD 5
- 2005 FreeBSD 6
- 2008 FreeBSD 7 ZFS, DTrace
- 2009 FreeBSD 8
- 2012 FreeBSD 9
- 201X FreeBSD 10 Umstellung auf clang/LLVM als Standardcompiler

Ziel

 Das FreeBSD Projekt stellt Software her, die ohne Einschränkungen für beliebige Zwecke eingesetzt werden kann.

Beziehung zur GPL

- Due to the additional complexities that can evolve in the commercial use of GPL software, we do, however, endeavor to replace such software with submissions under the more relaxed <u>FreeBSD</u> <u>license</u> whenever possible.
- The primary reason for switching from <u>GCC</u> to <u>Clang</u> is the incompatibility of GCC's <u>GPL v3</u> license with the <u>goals of the FreeBSD project</u>.

FreeBSD Bestandteile

- Basissystem
 - Kernel: Treiber, Paketfilter (ipfw, pf, ipf), Software RAID, etc.
 - ★ Userland: sh, OpenSSH, sendmail, make, gcc, vi, etc.
- Ports (und Packages): ~ 24.000

Entwicklungsmodell

- CSV- und SVN-Repositories: Juni 2008
 Umstieg auf SVN
- Committer-Liste: Schreibzugriff auf Repos
- FreeBSD-Core-Team

Meine Historie

- Erster Kontakt via KDE für FreeBSD (~2003?)
- Lehrstuhladmin: u.a. Einsatz als Webserver
- Erste Fehlerreports Dezember 2005
- Ports Maintainer seit Juni 2006: im Moment 12 Ports
- Schleichender Umstieg auf Mac OS X

Makefile-Beispiel eines Ports

```
PORTNAME=
               bundler
PORTVERSION= 1.2.3
CATEGORIES= sysutils rubygems
MASTER_SITES= RG
MAINTAINER=
              gogolok+freebsd@gmail.com
               A tool that manages gem dependencies for ruby applications
COMMENT=
USE RUBY=
              yes
USE_RUBYGEMS= yes
RUBYGEM AUTOPLIST=
                        yes
PLIST_FILES= bin/bundle
.include <bsd.port.mk>
```

Aktuelles Setup

Package Building System

FreeBSD Tinderbox

VPS FreeBSD 9.0

http://tvh-aktuell.de http://shockmypic.com Nginx + Phusion Passenger PostgreSQL Testsysteme FreeBSD 9.0



Build Env

- RUBY_VER="1.9"
- RUBY_DEFAULT_VER="1.9"
- WITHOUT_XII=yes
- WITH_PASSENGER_MODULE=yes
- WITH_NGINX=yes
- ...

Software

- mail/postfix
- security/sudo
- sysutils/tmux
- editors/vim-lite
- shells/zsh
- www/nginx (mit Unterstützung für Phusion Passenger)
- devel/git
- lang/ruby 19 (also kein rbenv oder sonstwas)
- sysutils/rubygem-bundler

Problemchen

- databases/rubygem-dm-core:
 - rubygem-addressable>=2.2.6:\${PORTSDIR}/www/rubygem-addressable
 - s.add_dependency(%q<addressable>, ["~> 2.2.6"])
- www/rubygem-addressable: PORTVERSION 2.3.2

PKtools FreeBSD ports and packages management app

- in Ruby geschrieben
- ports-mgmt/portupgrade
 - portupgrade -PPR git-1.8.0.2

Ende