

# *Open*BSD5.1

FREE, FUNCTIONAL AND SECURE





# About me

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**What is OpenBSD?**

# Short History

<http://oreilly.com/catalog/opensources/book/kirkmck.html>

<http://cisx1.uma.maine.edu/~wbackman/bsdtalk/bsdtalk170.ogg>

<http://openbsd.org/lyrics.html#44>

# Philosophy

# Security / Quality

Security: Do the task it is supposed to do, no matter what.

Through Security you get Quality

# Openness / Freedom

Anti-Blobs

Anti-NDA

Free to use for everyone

E.g. CVS, CARP, ACPI, (Atheros) WLAN drivers

...

Open Documentation for Hardware (Theo de Raadt):

<http://cvs.openbsd.org/papers/brhard2007/index.html>

# Philosophy

Security / Quality

Openness / Freedom

<http://openbsd.org/lyrics.html#42>

<http://openbsd.org/lyrics.html#41>

<http://openbsd.org/lyrics.html#39>

<http://openbsd.org/goals.html>

<http://openbsd.org/security.html>

<http://openbsd.org/crypto.html>



# Mechanisms

# Simplicity

Developer / Code

User

Tools / Daemons in base system

E.g.: ifconfig, pf.conf, smtpd.conf, ...

# Good predefined Defaults

Security problems through misconfigurations

Defaults for the most common use-cases

Examples

Tools / Daemons in base system

# Documentation

Man pages

No Documentation, No Commit

One Developer checks all man page commits

FAQ

<http://openbsd.org/faq/index.html>

# Evolutionary

not Revolutionary

Design and plan

Think about what is to be done

Sourcetree is stable

E.g. rthreads, pf

# Release Cycle

[http://cvs.openbsd.org/papers/asiabsdcon2009-release\\_engineering/index.html](http://cvs.openbsd.org/papers/asiabsdcon2009-release_engineering/index.html)

Every six months version + 0.1

Current 5.1 (May 1, 2012)

Snapshots almost every day

Locks / Unlocks are surprise events

Hackathons

# Mechanisms

Simplicity

Good predefined Defaults

Documentation

Evolutionary

Release Cycle

Puffy at Work - getting Code right and secure, the OpenBSD way (Henning Brauer):  
<http://quigon.bsws.de/papers/2010/bsdcan/index.html>

# Projects



# Projects

OpenSSH

# Projects

OpenSSH

OpenBGPD

# Projects

OpenSSH

OpenBGPD

OpenSPFD

# Projects

OpenSSH

OpenBGPD

OpenSPFD

OpenRIPD

# Projects

OpenSSH

OpenBGPD

OpenSPFD

OpenRIPD

OpenNTPD

# Projects

OpenSSH

OpenBGPD

OpenSPFD

OpenRIPD

OpenNTPD

OpenSMTPD

# Projects

OpenSSH

OpenBGPD

OpenSPFD

OpenRIPD

OpenNTPD

OpenSMTPD

spamd

# Projects

OpenSSH

OpenBGPD

OpenSPFD

OpenRIPD

OpenNTPD

OpenSMTPD

spamd

pf



# Projects

OpenSSH

OpenBGPD

OpenSPFD

OpenRIPD

OpenNTPD

OpenSMTPD

spamd

pf

softraid

# Projects

OpenSSH

OpenBGPD

OpenSPFD

OpenRIPD

OpenNTPD

OpenSMTPD

spamd

pf

softraid

...

# Packages / Ports

Based on FreeBSD portstree

Pre-built packages

Portstree with makefiles

`pkg_add(1)`, `pkg_info(1)`, `pkg_delete(1)`

`pkg add -u` for updating

# Users

<http://openbsd.org/users.html>

# Getting started

FAQ:

<http://openbsd.org/faq/index.html>

Webinterface to man pages:

<http://www.openbsd.org/cgi-bin/man.cgi>

Bloggish / Articles:

<http://undeadly.org/>

Presentations / Papers:

<http://cvs.openbsd.org/papers/>

# Getting started

Mailinglists:

`misc@openbsd.org`

`tech@openbsd.org`

`www@openbsd.org`

`ports@openbsd.org`

`newbies@openbsd.org`

`source-changes@openbsd.org`

<http://openbsd.org/mail.html>

<http://lists.openbsd.org/>

# Getting started

<http://openbsd.org/faq/faq4.html>

Choose Server from:

<http://openbsd.org/ftp.html>

Download:

`$SERVER/5.1/$ARCH/install51.iso`

E.g.: <http://ftp.bytemine.net/pub/OpenBSD/5.1/amd64/install151.iso>

Burn to CD

Boot from CD, select Install and follow simple instructions

After reboot:

Permanently set `PKG_PATH` to `$SERVER/5.1/packages/$ARCH/`

E.g.: <http://ftp.bytemine.net/pub/OpenBSD/5.1/packages/amd64/>

# Getting started

intro(1) .. intro(9)

afterboot(8)

pkg\_add(1), pkg\_info(1), pkg\_delete(1)