

# Vyšlo OpenBSD 4.6

Vložil/a [cm3l1k1](#) [1], 19 Říjen, 2009 - 17:34

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Vyšla nová verze jednoho z nejbezpečnějších operačních systémů a to OpenBSD. Novinky a odkazy naleznete v článku.

### AsiaBSDCon 2009: The OpenBSD Release Process: A Success Story

YouTube video: <http://www.youtube.com/watch?v=i7pkyDUX5uM> [4]

Highlights of OpenBSD 4.6 are listed below.

# New/extended platforms:

- \* mvme68k
  - o Added support for the MVME141 and MVME165 boards.
- \* sparc
  - o The bootblock load address was moved so that larger kernels can be loaded.
- \* sparc64
  - o Added acceleration support for many of the PCI frame buffer drivers, such as Sun PGX, PGX64 and XVR-100, and Tech Source Raptor GFX graphics cards.
- \* sgi
  - o Added support for the SGI Octane, SGI Origin 200 and SGI Fuel families of systems.
  - o Several bugs in interrupt handling have been fixed, resulting in much snappier system response.

# Improved hardware support, including:

- \* Several new/improved drivers for sensors, including:
  - o The ips(4) driver now has sensor support, complementing the bio support.
  - o The acpithinkpad(4) driver now has temperature and fan sensor support.
  - o New endrun(4) driver for the EndRun Technologies timedelta sensor.
  - o The fins(4) driver now has support for F71806, F71862 and F71882.
  - o The acpitz(4) driver now shows correct decimals for temperature.
- \* Added radeonfb(4) to sparc64, an accelerated framebuffer for Sun XVR-100 boards.
- \* Added support in re(4) for RTL8103E and RTL8168DP devices.
- \* Added support for BCM5709/BCM5716 devices in the bnx(4) driver.
- \* Added support for ICH10 variants of em(4).
- \* Added support for VIA VX855 chipset in the viapm(4) and pciide(4) drivers.
- \* Added support for Intel SCH IDE to pciide(4).
- \* Added support for the Broadcom HT-1100 chipset in the piixpm(4) driver.
- \* Added support for 82574L based devices in the em(4) driver.
- \* A number of network drivers including ix(4), sis(4), msk(4), bnx(4), and vr(4) now use MCLGETI(9) to reduce memory usage and increase performance under load and attack.

- \* Added support for VIA CX800 south bridge to the viapm(4) driver.
- \* Added support in em(4) for the newer 82575 (and maybe 82576) chips.
- \* zyd(4) now supports devices with Airoha AL2230S radios.
- \* zyd(4) now works on big-endian machines
- \* urtw(4) now supports RTL8187B based devices.
- \* New otus(4) driver for Atheros AR9001U USB 802.11a/b/g/Draft-N wireless devices.
- \* New berkwdt(4) driver for Berkshire Products PCI watchdog timers.
- \* New udl(4) driver for USB video devices.
- \* Support for a variety of newer models in bge(4).
- \* Initial version of vsw(4), a driver for the virtual network switch on sun4v sparc64s.
- \* Implemented machfb(4), an accelerated driver for the sparc64 PGX/PGX64 framebuffer.
- \* Added a vcc(4) and vcctty(4) driver for the "Virtual Console Concentrator" found on the control domain of sun4v systems.
- \* Implemented 64-bit FIFO modes for ciss(4) devices.
- \* Enable hardware VLAN tagging/stripping on ix(4).
- \* Added basic support for Envy24HT chips in the envy(4) driver.
- \* Many improvements and updates to the isp(4) driver.
- \* Added support for 88E8057-based Yukon 2 Ultra 2-devices in msk(4).
- \* The ips(4) driver now works reliably.
- \* Added raptor(4), an accelerated framebuffer driver for the Tech Source Raptor GFX cards on the sparc64 platform.
- \* Enabled schsio(4) on i386 and amd64 and added watchdog timer support.
- \* New acpivideo(4) driver for ACPI display switching and brightness control.

# New tools:

- \* Added smtpd(8), a new privilege-separated SMTP daemon.
- \* Imported the tmux(1) terminal multiplexer, replacing window(1).

# pf(4) improvements:

- \* Enabled pf(4) by default in the rc.conf(8).
- \* Removed pf(4) scrub rules, and only do one kind of packet reassembly. Rulesets with scrub rules need to be modified because of this.
- \* Regular rules can now have per-rule scrub options.
- \* Added new "match" keyword which only applies rule options but does not change the current pass/block state.
- \* Make all pf(4) operations transactional to improve atomicity of reloads.
- \* Stricter pf(4) checking for ICMP and ICMPv6 packets.
- \* Various improvements to pfsync(4) to lower sync traffic bandwidth and optionally allow active-active firewall setups.
- \* Fix pf(4) scrub max-mss for IPv6 traffic.

# OpenBGPD, OpenOSPFD and other routing daemon improvements:

- \* In bgpd(8), rework most of the RDE to allow multiple RIBs. It is possible to filter per-RIB and attach neighbors to a specific RIB.
- \* Added an option to bgpd(8) to change the "connect-retry" timer.
- \* Allow bgpd.conf(5) and bgpctl(8) to contain 32-bit ASN numbers written in ASPLAIN format.
- \* Fix bgpd(8) to correctly encode MP unreachable NLRI so IPv6 prefixes get removed correctly.
- \* Changed the behaviour of "redistribute default" for ospfd(8) and ripd(8). A default route has to be present in the FIB to be correctly advertised.
- \* Make ospfd(8) and ripd(8) track reject and blackhole routes and allow them to be redistributed even if pointing to 127.0.0.1.

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- \* Allow to specify an alternate control socket for ospfd(8).
- \* ospfd(8) can now be bound into an alternate routing domain.
- \* Fix ospfd(8) route metric for "redistribute default".
- \* Initial version of ldpctl(8) and ldpd(8), a label distribution protocol daemon for mpls.
- \* Make dvmp(8) RDE aware of multicast group members per interface.
- \* Support for pruning in dvmp(8).

# Generic Network-Stack improvements:

- \* Support for virtual routing and firewalling with the addition of routing domains.
- \* Add code in ifconfig(8) to bind an interface to a routing domain.
- \* Add support to ping(8), traceroute(8), arp(8), nc(1) and telnet(1) to specify which routing domain to use.
- \* Allow ifconfig(8) to turn off IPv6 completely for an interface and make rtsold(8) turn on inet6 on the interface.
- \* Routes track the interface link state.
- \* route(8) flush accepts "-iface" or "-priority" to only flush routes matching these conditions.
- \* Multiple dhclients can now coexist without causing mayhem.
- \* Make wireless interfaces have an interface priority of 4 by default. Makes them less preferred than wired interfaces.
- \* Do not accept IPv4 ICMP redirects by default.
- \* Added the MAC address to the log entries in dhclient(8).
- \* Make systat(1) show interface description names in the interface view, and add new NFS server and client views.
- \* Make tun(4) emulate link state depending on the open and close of the device fd.
- \* Use pf state-table information to speed up decision on whether a packet is to be delivered locally or forwarded.
- \* More routing socket checks added to make userland applications more resilient to kernel changes.

# Install/Upgrade process changes:

- \* New disklabel(8) automatic partition allocator with a variety of smart heuristics.
- \* The installer has been nearly rewritten mostly with a focus on simplifying installation.

# OpenSSH 5.3:

- \* Do not limit home directory paths to 256 characters. (bz #1615)
- \* Several minor documentation and correctness fixes.

# Over 5,800 ports, minor robustness improvements in package tools.

# Many pre-built packages for each architecture:

- \* i386: 5606
- \* sparc64: 5413
- \* alpha: 5346
  
- \* sh: 1261
- \* amd64: 5544
- \* powerpc: 5427

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- \* sparc: 3711
- \* arm: 5291
- \* hppa: 4790

- \* vax: 1785
- \* mips64: 3443

Some highlights:

- \* Gnome 2.24.3.
- \* KDE 3.5.10.
- \* Xfce 4.6.1.
- \* MySQL 5.0.83.
- \* PostgreSQL 8.3.7.
- \* Postfix 2.6.2.
- \* OpenLDAP 2.3.43.
- \* Mozilla Firefox 3.0.11 and 3.5.
- \* Mozilla Thunderbird 2.0.0.22.
- \* OpenOffice.org 3.1.0.
- \* Emacs 21.4 and 22.3
- \* Vim 7.2.190.
- \* PHP 5.2.10.
- \* Python 2.4.6, 2.5.4 and 2.6.2.
- \* Ruby 1.8.6.369.

# As usual, steady improvements in manual pages and other documentation.

# The system includes the following major components from outside suppliers:

- \* Xenocara (based on X.Org 7.4 + patches, freetype 2.3.9, fontconfig 2.6.0, Mesa 7.4.2, xterm 243 and more)
- \* Gcc 2.95.3 (+ patches) and 3.3.5 (+ patches)
- \* Perl 5.10.0 (+ patches)
- \* Our improved and secured version of Apache 1.3, with SSL/TLS and DSO support
- \* OpenSSL 0.9.8k (+ patches)
- \* Groff 1.15
- \* Sendmail 8.14.3, with libmilter
- \* Bind 9.4.2-P2 (+ patches)
- \* Lynx 2.8.6rel.5 with HTTPS and IPv6 support (+ patches)
- \* Sudo 1.7.2
- \* Ncurses 5.2
- \* Latest KAME IPv6
- \* Heimdal 0.7.2 (+ patches)
- \* Arla 0.35.7
- \* Binutils 2.15 (+ patches)
- \* Gdb 6.3 (+ patches)

Web projektu: <http://openbsd.org/> [5]

**URL článku:** <https://www.security-portal.cz/clanky/vy%C5%A1lo-openbsd-46>

### Odkazy:

[1] <https://www.security-portal.cz/users/cm3l1k1>

[2] <https://www.security-portal.cz/category/tagy/gnu/linux-bsd>

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[3] <https://www.security-portal.cz/category/tagy/security>

[4] <http://www.youtube.com/watch?v=i7pkyDUX5uM>

[5] <http://openbsd.org/>