

NetBSD 8

What's in Store?

Dispelling the Myths

agc@NetBSD.org
EuroBSDcon
September 2017



Long time to release



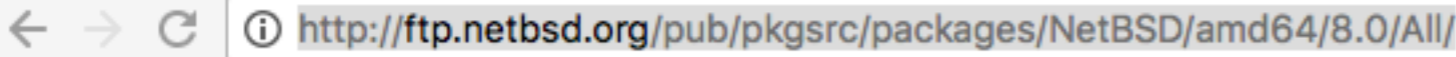
Long time to release

- 7.0 released September 25 2015
- 7.0.1 released May 22 2016
- 7.0.2 released October 21 2016
- 7.1 released March 11 2017
- 8.0 Release process started June 6th 2017
- Current status - about to be released

No packages available



No packages available

		
Index of pub/pkgsrc/packages/NetBSD/amd64/8.0/All/		
Name	Last modified	Size
Parent Directory	27-Jul-2017 08:41	0kB
.pkgcache	08-Sep-2017 11:17	56840kB
Overkill-0.16nb1.tgz	02-Aug-2017 04:49	306kB
2048-cli-0.9.1.tgz	02-Aug-2017 04:49	9kB
2bwm-20150526.tgz	03-Aug-2017 08:23	26kB
2vcard-0.5nb5.tgz	01-Aug-2017 16:47	10kB
3ddesktop-0.2.9nb13.tgz	03-Aug-2017 08:23	73kB
3proxy-0.7.1.2.tgz	22-Aug-2017 12:56	89kB
6tunnel-0.11.tgz	02-Aug-2017 20:57	12kB
7plus-225nb1.tgz	22-Aug-2017 13:53	57kB
8086tiny-1.25.tgz	02-Aug-2017 01:51	1244kB
855resolution-0.4nb2.tgz	03-Aug-2017 03:42	8kB
915resolution-0.5.3.tgz	03-Aug-2017 03:42	11kB
9base-20100604nb2.tgz	03-Aug-2017 03:43	8230kB
9e-1.0.tgz	01-Aug-2017 11:51	5kB
9menu-1.8nb1.tgz	02-Aug-2017 19:28	12kB
9wm-1.4.0nb1.tgz	03-Aug-2017 08:23	23kB
Addresses-0.4.8nb10.tgz	30-Jul-2017 07:13	403kB
AfterShotPro-1.1.0.30.tgz	22-Aug-2017 17:50	72263kB
AnonymousPro-1.002.tgz	02-Aug-2017 03:09	282kB
BasiliskII-1.0.20060501nb5.tgz	02-Aug-2017 01:52	293kB



Old hardware only



Old hardware only

- Tegra K1 (SoC), NVIDIA Jetson TK1 (Dev Board)
- Allwinner - A31, A83T, H2+ and H3 (all SoC)
- A13, A64, R8 and GR8 in current
- A20 support is in 7, plans for FDT-ing

But no-one's heard of them

- A83T: BananaPi BPI-M3
- H2+: Xunlong Orange Pi Zero
- H3: FriendlyARM, Sinovoip, Xunlong
 - NanoPi NEO (256MB) up to
 - OrangePi Plus 2E (2GB)

From the horse's mouth

- ftp <http://agc.ac/2017/jmcneill-20170919.script>
- script -p jmcneill-20170919.script

Other hardware

- Intel QAT card support
- Support for VAXstation 4000 TURBOchannel
USB and GPIO

```
xterm
load averages: 0.85, 1.18, 0.84;
40 processes: 39 sleeping, 1 on CPU
CPU states: 1.9% user, 0.0% nice, 2.2% system, 0.0% interrupt, 95.9% idle
Memory: 79M Act, 12M Wired, 17M Exec, 35M File, 77M Free
Swap: 384M Total, 384M Free

PID USERNAME PRI NICE SIZE RES STATE TIME WCPU CPU COMMAND
734 mathew 84 0 5380K 2884K ttyraw 0:02 1.37% 1.37% tcsh
717 root 85 0 33M 12M select 0:53 1.03% 1.03% XdecNetBSD
1328 root 85 0 9320K 4008K netio 0:04 0.63% 0.59% ftp
925 root 79 0 7236K 3092K wait 0:12 0.34% 0.34% make
804 mathew 85 0 11M 4676K select 0:19 0.00% 0.00% ssh
41 root 78 0 14M 4664K wait 0:16 0.00% 0.00% xdm
296 root 81 0 6980K 3100K wait 0:13 0.00% 0.00% make
1366 mathew 85 0 15M 5752K select 0:08 0.00% 0.00% xterm
0 root 124 0 0K 8080K syncer 0:06 0.00% 0.00% [system]
404 mathew 85 0 10M 4612K select 0:06 0.00% 0.00% xterm
338 root 85 0 10M 11M pause 0:04 0.00% 0.00% ntpd
110 mathew 85 0 10M 4660K select 0:04 0.00% 0.00% xterm
763 mathew 85 0 9000K 3928K select 0:03 0.00% 0.00% xsm
883 mathew 85 0 8828K 2936K select 0:03 0.00% 0.00% xeyes
831 mathew 85 0 6256K 2872K pause 0:03 0.00% 0.00% tcsh
812 mathew 43 0 5824K 1960K CPU 0:02 0.00% 0.00% top
567 mathew 85 0 10M 4668K select 0:02 0.00% 0.00% xterm
```

```
xterm
root has logged on console from local.
mathew has logged on pts/1 from :0.0.
mathew has logged on pts/2 from :0.0.
mathew has logged on pts/3 from :0.0.
mathew has logged on pts/4 from :0.0.
[ariana]:"/sbin/uname
/sbin/uname: Command not found.
[ariana]:"/uname -a
NetBSD ariana 8.0_BETA NetBSD 8.0_BETA (GENERIC_USB.201709060310Z) pmax
[ariana]:"/sbin/dmesg | grep sfb
sfb0 at tc0 slot 0 offset 0x0: 1280x1024, 8bpp
wsdisplay0 at sfb0 kbdmux 1: console (std, vt100 emulation), using wskbd0
[ariana]:"/
```

```
xterm
Requesting http://cdn.NetBSD.org/pub/pkgsrc/distfiles/olvm4.src4.tar.gz
100% |*****| 377 KiB 283.61 KiB/s 00:00 ETA
386560 bytes retrieved in 00:01 (250.75 KiB/s)
=> Checksum SHA1 OK for olvm4.src4.tar.gz
=> Checksum RMD160 OK for olvm4.src4.tar.gz
=> Checksum SHA512 OK for olvm4.src4.tar.gz
==> Installing dependencies for olvm4-4.4nb4
=> Tool dependency inake-[0-9]*: NOT found
=> Verifying reinstall for ../devel/inake
=> Bootstrap dependency digest=20010302: found digest=20160304
==> Checking for vulnerabilities in inake-1.0.7nb3
=> Fetching inake-1.0.7.tar.bz2
=> Total size: 156543 bytes
Trying [2610:10:20:722:a800:ff:feda:470f]:80 ...
ftp: Can't connect to '2610:10:20:722:a800:ff:feda:470f:80': No route to host
Trying 131.252.210.176:80 ...
Requesting http://xorg.freedesktop.org/releases/individual/util/inake-1.0.7.tar.bz2
Redirected to https://www.x.org/releases/individual/util/inake-1.0.7.tar.bz2
Trying [2610:10:20:722:a800:ff:feda:470f]:443 ...
ftp: Can't connect to '2610:10:20:722:a800:ff:feda:470f:443': No route to host
Trying 131.252.210.176:443 ...
Requesting https://www.x.org/releases/individual/util/inake-1.0.7.tar.bz2
83% |*****| 128 KiB 2.46 KiB/s - stalled -
```

```
xterm
23:24 (hardware) http://www.pcwuseun.ca/details.asp?id=254&type=Peripheral s?
23:28 (ali) nope... hang on, kan posta en bild i C64-gruppen p0fejan
23:34 (ali) hrrr
23:35 (ali) den 0 extrem lik excelerator dock
23:35 (ali) fast utan loggan
23:35 (ali) och LEDen 0 p0undersidan d0 loggan 0 p0bilden ist0let f0
ovanf0 springan
23:35 (ali) allts0det n0te vara en variant
23:37 (hardware) antagligen
23:39 (hardware) kallades 0en oc-118n
23:45 :: larsd [Lars@c83-254-8-96.bredband.comhem.se] has quit [Quit:
Vanished!]
Day changed to 19 Sep 2017
12:11 (peli) snart dags att plocka fram m0sa
12:13 (crash) peli: du f0 g0i ide, och komma fram p0v0anten :)
17:46 (hardware) https://twitter.com/MFA_tiddysucker/status/910090636039780352
19:57 (crash) hardware: otur :P
19:57 (hardware) https://twitter.com/hardware/status/910189197675425793
19:58 (hardware) crash: undrar hur hennes framtida sexliv kommer se ut :P
21:02 (crash) hardware: kanske fortfarande 0 hett d0 nere sen blisten
21:29 (mathew) hardware, kor du X pa din 5000/240 nu?
[21:32]-(mathew (*iv))-(:5:netbsd.se (*nprt))-(:1.4.5.9)-
netbsd.se>
```

```
rsim: Default
CL
Ch
[Keyboard: no keyboard]
Copyright (c) 1995, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005,
2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
The NetBSD Foundation, Inc. All rights reserved.
Copyright (c) 1992, 1993, 1994, 1995, 1996
The Regents of the University of California. All rights reserved.

NetBSD 8.0_BETA (GENERIC_USB.2017090605102)
DEKstation 5000/240 (386XPLUS)
total memory = 192 MB
avail memory = 188 MB
timecounter: Timecounter tick every 3.906 usec
Kernelized RARISFrame activated
mainbus0 (root)
cpu0 at mainbus0: MIPS R3000A CPU (0x230) Rev. 3.0 with MIPS R3000 FPC Rev. 4.0
cpu0: 64KB/43 direct-mapped Instruction cache, 64 TLB entries
cpu0: 64KB/43 direct-mapped write-through Data cache
tc0 at mainbus0: 25 MHz clock
loasic0 at bc0 slot 3 offset 0x0
le0 at loasic0 offset 0xc0000: address 08:00:20:c3:c1:1a
le0: 32 receive buffers, 8 transmit buffers
zsc0 at loasic0 offset 0x100000
vsc0 at zsc0 channel 0
--None-- (byte 967)
```

```
stern
[ariana]:?
[ariana]:?
[ariana]:?
[ariana]:?
[ariana]:?
[ariana]:?
[ariana]:?
[ariana]:?
[ariana]:?
[ariana]:?

[ariana]:?

[ariana]:?
[ariana]:?
[ariana]:?
[ariana]:?runame -a
NetBSD ariana 8.0_BETA NetBSD 8.0_BETA (GENERIC_USB.2017090605102) 0x0
[ariana]:?dmesg | grep usb
usb0 at ofw:0: USB revision 1.1
uhub0 at usb0: ScanLogic/Oyemess (0x4ce) SL811HS/T root hub (0000), class 3/0, r
ev 1.00/1.00, addr 1
[ariana]:?dmesg | grep [
```

No LLVM/clang support



LLVM/Clang 5.0 intree

- Joerg maintaining
- Still optional, off by default
- Regular testing with pkgsrc bulk builds
- Particularly good at finding compiler regressions

LLVM/Clang 5.0 intree

- Kamil has been working for TNF
 - lldb and debugging infrastructure
 - Upstreaming sanitizer support
 - asan, ubsan working
 - tsan, and msan

No virtualisation



No virtualisation

- Xen
- Usermode
- RUMP
- No Bhyve/VMM/KVM equivalent

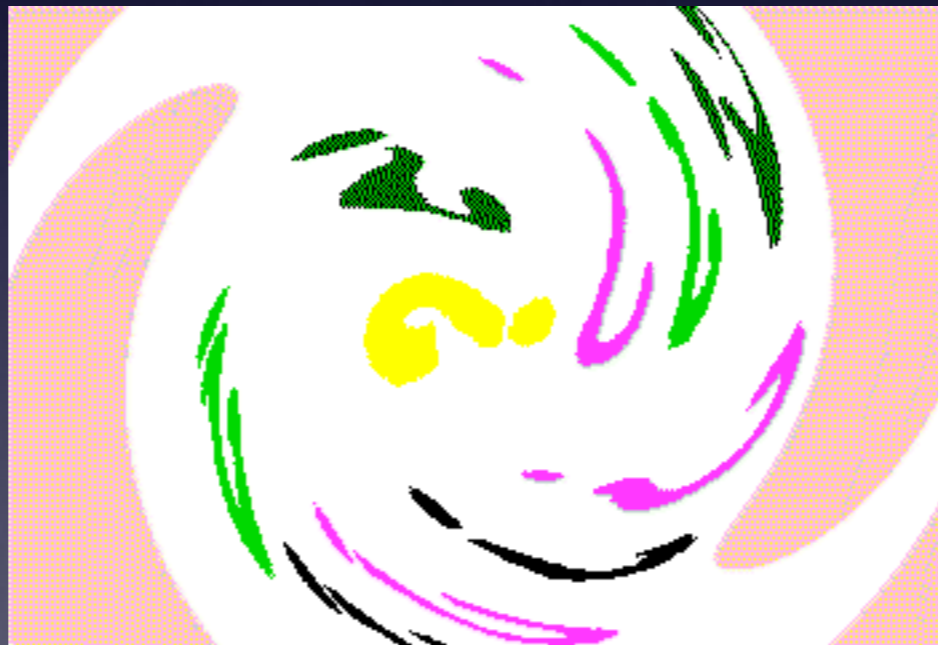
No signing



No signing

← → ↻ http://ftp.netbsd.org/pub/NetBSDsecurity/patches/		
Index of pub/NetBSD/security/patches/index.html		
Name	Last modified	Size
Parent Directory	08-Aug-2012 14:18	0kB
NetBSD-2.0_hashes.com	08-Dec-2004 06:26	126kB
NetBSD-2.1_hashes.asp	02-Nov-2005 20:01	195kB
NetBSD-3.0.1_hashes.asp	01-Jul-2006 14:16	377kB
NetBSD-3.0.2_hashes.asp	05-Nov-2006 15:26	377kB
NetBSD-3.0_hashes.asp	21-Dec-2005 23:23	370kB
NetBSD-3.1_hashes.com	05-Nov-2006 15:26	370kB
NetBSD-4.0.1_hashes.asp	14-Oct-2008 20:22	350kB
NetBSD-4.0_hashes.asp	02-Feb-2008 20:32	349kB
NetBSD-5.0.1_hashes.com	31-Jul-2009 06:05	390kB
NetBSD-5.0.2_hashes.asp	09-Feb-2010 20:21	388kB
NetBSD-5.0_hashes.com	29-Apr-2009 02:44	392kB
NetBSD-5.1.1_hashes.asp	30-Apr-2013 17:57	745kB
NetBSD-5.1.2_hashes.asp	08-Feb-2012 19:30	410kB
NetBSD-5.1.3_hashes.com	25-Aug-2013 15:19	765kB
NetBSD-5.1.4_hashes.asp	20-Jun-2014 16:26	765kB
NetBSD-5.1.5_hashes.asp	19-Nov-2014 01:14	806kB
NetBSD-5.1_hashes.com	14-Nov-2010 16:44	403kB
NetBSD-5.2.1_hashes.asp	25-Sep-2013 15:12	767kB
NetBSD-5.2.2_hashes.asp	20-Jan-2014 16:26	767kB
NetBSD-5.2.3_hashes.com	19-Nov-2014 01:14	808kB
NetBSD-5.2_RC1_hashes.asp	13-Nov-2012 17:23	758kB
NetBSD-5.2_hashes.com	28-Nov-2012 01:26	755kB
NetBSD-6.0.1_hashes.asp	24-Dec-2012 23:00	911kB
NetBSD-6.0.2_hashes.asp	15-May-2013 19:46	913kB
NetBSD-6.0.3_hashes.com	29-Aug-2013 14:13	935kB
NetBSD-6.0.4_hashes.asp	20-Jan-2014 22:45	937kB
NetBSD-6.0.5_hashes.asp	17-Apr-2014 20:29	994kB
NetBSD-6.0.6_hashes.com	21-Oct-2014 20:59	984kB
NetBSD-6.0_RC1_hashes	23-Aug-2012 16:03	995kB
NetBSD-6.0_RC1_hashes.asp	04-Aug-2012 14:49	996kB
NetBSD-6.0_RC2_hashes	20-Sep-2012 02:02	925kB
NetBSD-6.0_RC2_hashes.asp	20-Sep-2012 02:02	925kB
NetBSD-6.0_hashes.com	15-Oct-2012 16:29	895kB
NetBSD-6.1.1_hashes.asp	17-Aug-2013 19:59	983kB
NetBSD-6.1.2_hashes.asp	29-Sep-2013 14:15	936kB
NetBSD-6.1.3_hashes.com	20-Jun-2014 16:26	935kB
NetBSD-6.1.4_hashes.asp	17-Apr-2014 20:29	984kB
NetBSD-6.1.5_hashes.asp	21-Oct-2014 06:49	984kB
NetBSD-6.1_RC1_hashes.com	20-Feb-2013 21:08	927kB
NetBSD-6.1_RC2_hashes.asp	17-Mar-2013 18:51	927kB
NetBSD-6.1_RC3_hashes.com	30-Apr-2013 19:00	927kB
NetBSD-6.1_hashes.asp	15-May-2013 19:46	897kB
NetBSD-7.0.1_hashes.asp	23-May-2016 19:56	1245kB
NetBSD-7.0.2_hashes.com	24-Oct-2016 20:59	1302kB
NetBSD-7.0_RC1_hashes.asp	25-Jun-2015 15:30	1315kB
NetBSD-7.0_RC2_hashes.asp	26-Jul-2015 23:59	1316kB
NetBSD-7.0_RC3_hashes.com	13-Aug-2015 01:01	1215kB
NetBSD-7.0_hashes.asp	27-Sep-2015 16:47	1224kB
NetBSD-7.1_hashes.asp	14-May-2016 01:18	1299kB

Outdated utilities in base



Outdated utilities in base

```
[15:40:15] ogc@netbsd-002 ~ [10249] > sys_info
awk-20121220
bind-9.10.5pl2
bozohttpd-20170201
bzip2-1.0.6
calendar-20160601
dhcpcd-7.0.0-rc1
ftp-20110904
g++-5.4.0
gcc-5.4.0
grep-2.5.1arib1
gzip-20170803
libc-12.208
libcurses-7.1
libdm-3.4
libm-0.12
libresolv-3.0
libssh-30.0
libstdc++-7.4
libterminfo-1.0
libutil-7.24
libX11-7.0
libXaw7-10.0
libXfont-3.0
libXft-3.0
libXrandr-3.2
libXt-7.0
NetBSD-8.99.1
netpgp-3.99.17
netpgpverify-20170201
ntp-4.2.8pl10
openssh-7.5
opensshd-7.5
openssl-1.0.2k
pkg_install-20170419
sh-20160401
sqlite3-3.17.0
sys_info-20170823
tcsh-6.19.00
tzdata-2017b
unbound-1.5.9
userland-NetBSD-8.99.1/amd64
xz-5.2.1
yacc-1.9
[15:40:19] ogc@netbsd-002 ~ [10250] > |
```

Networking is outdated



Networking is outdated

- No BBR or RACK in TCP congestion
- bouyer's sockcan implementation
- dhcpcd's home

Difficult to develop



Difficult to develop for

- build.sh
 - cross-OS building AND cross-arch building
- distrib/utils/embedded/mkimage
- pkgsrc/sysutils/{mklivecd,mkmemstick}
- All the u-boot packages

Difficult to develop for

Wildcard matches

sysutils/u-boot-beagleboard, version 2017.07, maintainer port-arm

Das U-Boot, the Universal Boot Loader (omap3_beagle_defconfig), u-boot-beagleboard-2017.07

sysutils/u-boot-beagleboneblack, version 2017.07, maintainer port-arm

Das U-Boot, the Universal Boot Loader (am335x_boneblack_defconfig), u-boot-beagleboneblack-2017.07

sysutils/u-boot-beaglebonewhite, version 2017.07, maintainer port-arm

Das U-Boot, the Universal Boot Loader (am335x_evm_defconfig), u-boot-beaglebonewhite-2017.07

sysutils/u-boot-chip, version 2017.07, maintainer port-arm

Das U-Boot, the Universal Boot Loader (CHIP_defconfig), u-boot-chip-2017.07

sysutils/u-boot-cubieboard4, version 2017.07, maintainer port-arm

Das U-Boot, the Universal Boot Loader (Cubieboard4_defconfig), u-boot-cubieboard4-2017.07

wip/u-boot-full, version 2016.05, maintainer joe.davis12

Das U-Boot -- the Universal Boot Loader, u-boot-full-2016.05

sysutils/u-boot-jetson-tx1, version 2017.07, maintainer port-arm

Das U-Boot, the Universal Boot Loader (p2371-2180_defconfig), u-boot-jetson-tx1-2017.07

sysutils/u-boot-nanopi-neo, version 2017.07, maintainer port-arm

Das U-Boot, the Universal Boot Loader (nanopi_neo_defconfig), u-boot-nanopi-neo-2017.07

sysutils/u-boot-orangepi-2, version 2017.07nb1, maintainer port-arm

Das U-Boot, the Universal Boot Loader (orangepi_2_defconfig), u-boot-orangepi-2-2017.07nb1

sysutils/u-boot-orangepi-one, version 2017.07, maintainer port-arm

Das U-Boot, the Universal Boot Loader (orangepi_one_defconfig), u-boot-orangepi-one-2017.07

sysutils/u-boot-orangepi-plus2e, version 2017.07nb1, maintainer port-arm

Das U-Boot, the Universal Boot Loader (orangepi_plus2e_defconfig), u-boot-orangepi-plus2e-2017.07nb1

sysutils/u-boot-pine64, version 2017.07, maintainer port-arm

Das U-Boot, the Universal Boot Loader (pine64_plus_defconfig), u-boot-pine64-2017.07

sysutils/u-boot-pinebook, version 2017.09rc2, maintainer port-arm

Das U-Boot, the Universal Boot Loader (pinebook_defconfig), u-boot-pinebook-2017.09rc2

sysutils/u-boot-pocketchip, version 2017.07, maintainer port-arm

Das U-Boot, the Universal Boot Loader (PocketCHIP_defconfig), u-boot-pocketchip-2017.07

sysutils/u-boot-sinovoip-bpi-m3, version 2017.07, maintainer port-arm

Das U-Boot, the Universal Boot Loader (Sinovoip_BPI_M3_defconfig), u-boot-sinovoip-bpi-m3-2017.07

Run by morons



Run by morons

- Others take a large amount of time and effort
- Board and core team (like a company)
- AGMs every year
- Board elections every year

No modern file systems



No modern file systems

- No Hammer
- ZFS is out of date (but being updated)
- LFS was worked on during Google SoC
- Puffs/Pud allow FUSE filesystems reliably

No Dtrace



No Dtrace

- **To:** source-changes%NetBSD.org@localhost
- **Subject:** CVS commit: src/doc
- **From:** "Sevan Janiyan" <sevan%netbsd.org@localhost>
- **Date:** Sun, 17 Sep 2017 15:30:08 +0000

Module Name: src
Committed By: sevan
Date: Sun Sep 17 15:30:08 UTC 2017

Modified Files:
 src/doc: CHANGES

Log Message:

Note installation of scripts from the DTrace Toolkit in base.

To generate a diff of this commit:

```
cvs rdiff -u -r1.2317 -r1.2318 src/doc/CHANGES
```

Please note that diffs are not public domain; they are subject to the copyright notices on the relevant files.

No Dtrace support

- Added syscall support [christos 20150307]
- Added lockstat support [christos 20150308]
- Toolkit scripts from sevan in last few days

No NVME support



No NVME support

NVME(4) Device Drivers Manual NVME(4)

NAME

`nvme` -- Non-Volatile Memory Host Controller Interface

SYNOPSIS

`nvme* at pci? dev ? function ?`

DESCRIPTION

The `nvme` driver provides support for NVMe, or NVM Express, storage controllers conforming to the Non-Volatile Memory Host Controller Interface specification. Controllers complying to specification version 1.1 and 1.2 are known to work. Other versions should work too for normal operation with the exception of some pass-through commands.

The driver supports the following features:

- * controller and namespace configuration and management using `nmectl(8)`
- * highly parallel I/O using per-CPU I/O queues
- * PCI MSI/MSI-X attachment, and INTx for legacy systems

No NCQ support



No NCQ support

Initial ahci(4) NCQ support on jdolecek-ncq branch, test/review wanted

- To: Tech-kern <tech-kern%netbsd.org@localhost>
 - Subject: Initial ahci(4) NCQ support on jdolecek-ncq branch, test/review wanted
 - From: Jaromír Doleček <jaromir.dolecek%gmail.com@localhost>
 - Date: Thu, 20 Apr 2017 00:25:47 +0200
-

Hi,

I've committed the initial NCQ support, it's available at jdolecek-ncq branch (branch only over sys). It works under Parallels for now, and is ready for brave adventurers. There is sys/dev/ata/TODO.ncq which you might want to check, also.

If people want to try it out and give feedback, I'd really appreciate it.

Developers out of touch



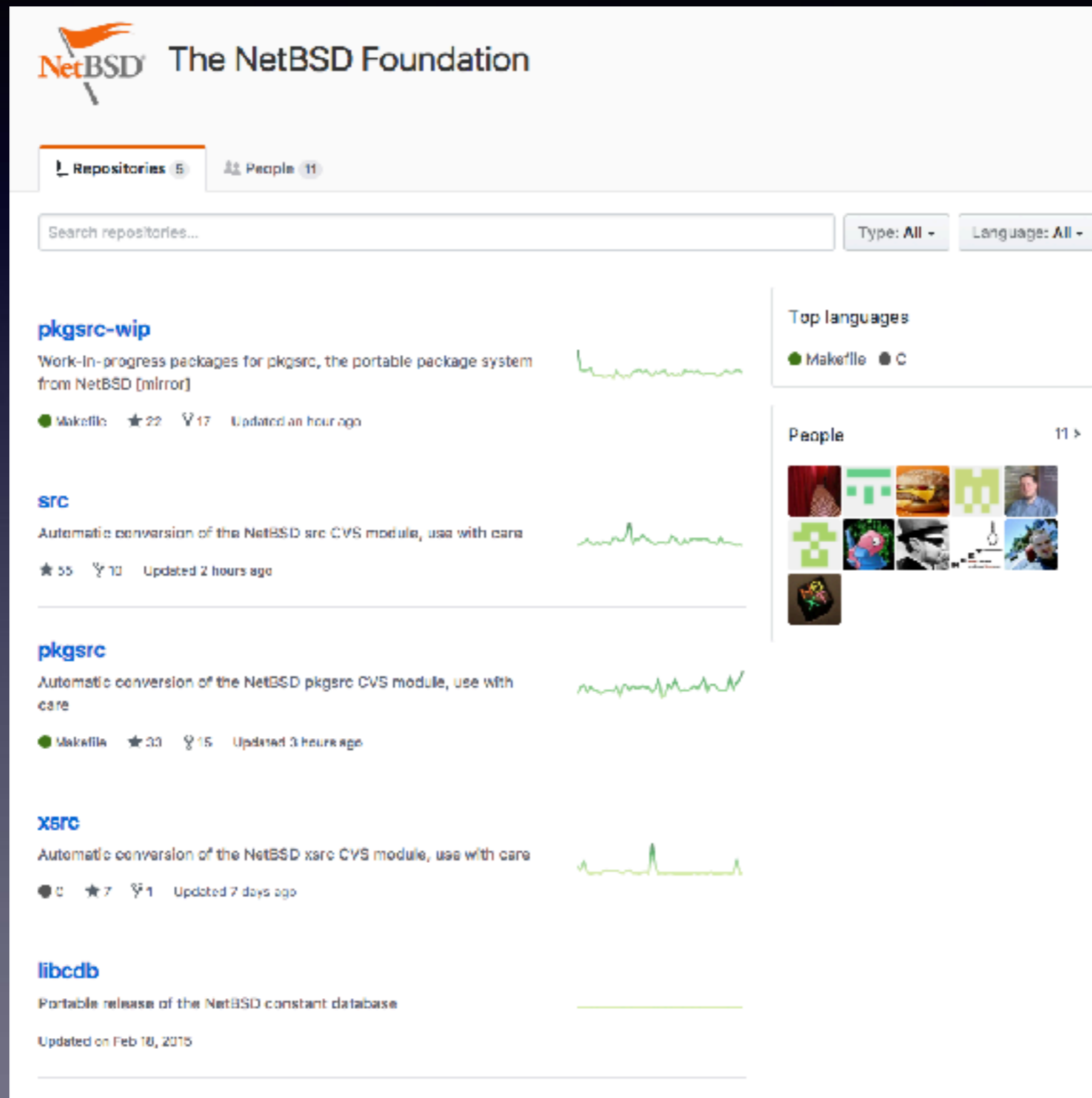
Developers out of touch

- Any developers here?
- Did you bring all private keys and 2FA tokens?

No DVCS Repos



No DVCS Repos



The screenshot shows the homepage of The NetBSD Foundation. At the top, there is a logo with a red flag and the text "NetBSD" and "The NetBSD Foundation". Below the logo, there are two tabs: "Repositories 5" and "People 11". A search bar labeled "Search repositories..." is present, along with filters for "Type: All" and "Language: All".

The main content area displays a list of repositories:

- pkgsrc-wip**: Work-In-progress packages for pkgsrc, the portable package system from NetBSD [mirror]. It shows 22 stars, 17 forks, and was updated an hour ago. The language is Makefile.
- src**: Automatic conversion of the NetBSD src CVS module, use with care. It shows 55 stars, 10 forks, and was updated 2 hours ago. The language is C.
- pkgsrc**: Automatic conversion of the NetBSD pkgsrc CVS module, use with care. It shows 30 stars, 15 forks, and was updated 3 hours ago. The language is Makefile.
- xsrc**: Automatic conversion of the NetBSD xsrc CVS module, use with care. It shows 7 stars, 1 fork, and was updated 7 days ago. The language is C.
- libcddb**: Portable release of the NetBSD constant database. It was updated on Feb 10, 2015.

On the right side, there is a "Top languages" section showing "Makefile" and "C", and a "People" section showing 11 user avatars.




No DVCS Repos

Atlassian, Inc. [US] | <https://bitbucket.org/netbsd/>


NetBSD

Repositories

Find repositories

Repository	Project	Last updated
 src	repositories	an hour ago
 pkgsrc	repositories	2 hours ago
 xsrc	repositories	2017-09-12

No DVCS Repos



IJ-NetBSD

IJ's NetBSD Repository

Repositories 2

People 0


Type: All ▾

Language: All ▾

netbsd-src

automatically converted from anoncvs.NetBSD.org every two hours on weekdays (HEAD). On weekend, sync branches.


★ 77 🍴 60 Updated an hour ago



cvs2git

from cvs to git script

● Perl ★ 1 🍴 5 Updated on Feb 8, 2015



Top languages

● Perl

People

0 >


This organization has no public members. You must be a member to see who's a part of this organization.

Testing is crap



Testing is crap

← → ↻ Secure <https://releng.netbsd.org/test-results.html>



The NetBSD Project

"Of course it runs NetBSD"

Home News & Media About Documentation Support Community Dev

babylon5.NetBSD.org Test Run Logs

Port	Version	NetBSD login	Frequency	Platform
amd64	HEAD	gson, admins	ca 1x daily	QEMU/Anita
i386	HEAD	gson, admins	ca 8x daily	QEMU/Anita
sparc	HEAD	gson, admins	ca 1x daily	QEMU/Anita
evbarm-earmv7hf	HEAD	gson, admins	ca 1x daily	QEMU/Anita
pnmax	HEAD	gson, admins	ca 1x daily	qemu/Anita
hpcomps	HEAD	gson, admins	ca 1x daily	qemu/Anita

Regular individual test runs

Disclaimer: The logs are provided by individuals and are not an official service of The NetBSD Project.

Tests against NetBSD-current

Port	Version	NetBSD login	Frequency	Platform
alpha	HEAD	martin	weekly	Digital AlphaServer DS20
evbarm	HEAD	martin	weekly	GnuPlug
evbarm	HEAD	martin	weekly	CLIBETRUCK
shark	HEAD	martin	weekly	DNARD shark
sparc64	HEAD	martin	weekly	Sun v210
xen	HEAD	bouyer	daily	XEN

Tests against netbsd-8

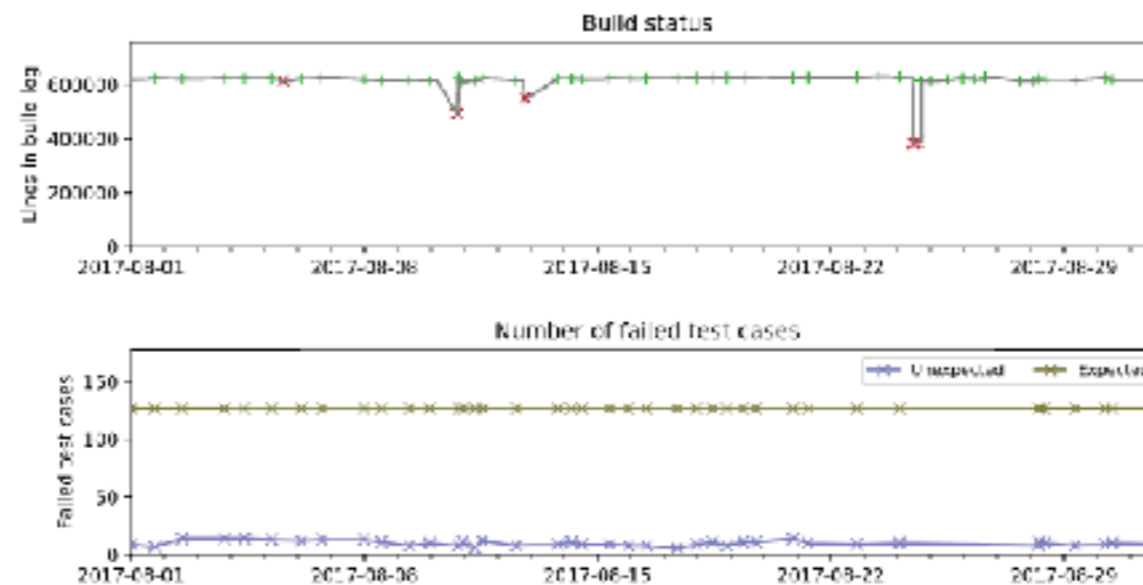
Port	Version	NetBSD login	Frequency	Platform
alpha	netbsd-8	martin	weekly	Digital AlphaServer DS20
amd64	netbsd-8	bouyer	daily	QEMU
i386	netbsd-8	bouyer	daily	QEMU
sparc	netbsd-8	bouyer	daily	QEMU
xen	netbsd-8	bouyer	daily	XEN

Testing is crap

September 2017 [\[details\]](#)



August 2017 [\[details\]](#)



Reproducible Builds

- 302 Return Code to Christos's talk
- Way more complex than I expected
- First BSD to complete Debian run
- First “big unix” to complete Debian run
- Minix uses NetBSD user land and build system

No FDT



No FDT

- `sys/arch/arm/fdt/`
- `sys/arch/evbarm/fdt/`
- `sys/dev/fdt/`
- `sys/external/bsd/libfdt`

Everything else

- ptrace(2) fixes from kamil
- nat's new sound driver, bta2dpd(8)
- msaitoh's updates for ixg(4) and ixv(4)
- alnsn's addition of AES-XTS to cgd(4)

Everything else

- jmcneill's new SDMMC driver
- maxv's amd64/i386 overhaul
- xen kernel modules (maxv)
- flxd's getrealloc/setrealloc changes to scsictl(8)

Everything else

- lua now at 5.3.4 in kernel
- secmodel_sandbox - <https://www.bsdcan.org/2017/schedule/track/Security/835.en.html>
- ext4fs - jdoloczek's extents, dir_nlink and gdt_csum/uninit_bg support
- flxd's Turbochannel USB/GPIO option

Everything else

- ozaki-r MPSAFE network changes
- nick-nhusb merge - some USB3 support
- GPT support, including booting
- PCI support for DNARD/Shark

Everything else

- ip6addrctl - from FreeBSD
- christos's blacklistd
- maxv's security work

Everything else

- `vioscsi` - `christos/jdolecek`
- Google compute engine - `bsiegert`
- `nouveau` - `riastradh`

Summary

- Lots new in NetBSD 8
- Lots of people working very hard
- Available RSN

