A year of pkgsrc
2014 - 2015

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Total number of packages: 15114
Successfully built: 8501

Packages breaking the most other packages

<table>
<thead>
<tr>
<th>Package</th>
<th>Breaks</th>
<th>Maintainer</th>
</tr>
</thead>
<tbody>
<tr>
<td>graphics/MesaLib</td>
<td>2176</td>
<td>pkgsrc-users%NetBSD.org@localhost</td>
</tr>
<tr>
<td>devel/cmake</td>
<td>819</td>
<td>pkgsrc-users%NetBSD.org@localhost</td>
</tr>
<tr>
<td>lang/ruby200-base</td>
<td>568</td>
<td>taca%NetBSD.org@localhost</td>
</tr>
<tr>
<td>lang/gcc48-libs</td>
<td>511</td>
<td>sbd%NetBSD.org@localhost</td>
</tr>
<tr>
<td>lang/ruby193-base</td>
<td>505</td>
<td>taca%NetBSD.org@localhost</td>
</tr>
<tr>
<td>lang/ruby21-base</td>
<td>502</td>
<td>taca%NetBSD.org@localhost</td>
</tr>
<tr>
<td>devel/boost-jam</td>
<td>367</td>
<td>pkgsrc-users%NetBSD.org@localhost</td>
</tr>
<tr>
<td>x11/qt4-libs</td>
<td>359</td>
<td>pkgsrc-users%NetBSD.org@localhost</td>
</tr>
<tr>
<td>multimedia/x264-devel</td>
<td>131</td>
<td>joerg%NetBSD.org@localhost</td>
</tr>
<tr>
<td>lang/php55</td>
<td>117</td>
<td>pkgsrc-users%NetBSD.org@localhost</td>
</tr>
</tbody>
</table>

http://mail-index.netbsd.org/pkgsrc-bulk/2014/09/08/msg010950.html
pkgsrc-2015Q1
11224 binary packages built with gcc for Darwin 8.11.0/powerpc
10019 binary packages built with gcc for Darwin 10.8.0/i386
get pkgsrc

- Latest stable release: 2014Q4
- Binary Packages
- stable.tgz
- current.tgz

supported platforms

- NetBSD
  - using pkgsrc on NetBSD
- Solaris / SmartOS / illumos
  - 9.800 pkgsrc-2013Q1 binary packages for Solaris / illumos / SmartOS
  - Building pkgsrc on SmartOS
  - using pkgsrc on Solaris
- Linux
  - using pkgsrc on Linux
- Darwin (Mac OS X)
  - binary packages for OS X
  - using pkgsrc on os x (64bit)
- FreeBSD
- OpenBSD
- IRIX
  - using pkgsrc on IRIX
- ...
<table>
<thead>
<tr>
<th>Physical</th>
<th>PageSpace</th>
<th>pages/sec</th>
<th>In</th>
<th>Out</th>
<th>FileSystemCache</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Used</td>
<td>99.2%</td>
<td>0.3%</td>
<td>to Paging Space 0.0</td>
<td>0.0</td>
<td>(numperm) 25.5%</td>
</tr>
<tr>
<td>% Free</td>
<td>0.8%</td>
<td>99.7%</td>
<td>to File System 0.0</td>
<td>0.5</td>
<td>Process 45.8%</td>
</tr>
<tr>
<td>MB Used</td>
<td>2030.8MB</td>
<td>7.6MB</td>
<td>Page Scans 0.0</td>
<td></td>
<td>System 27.9%</td>
</tr>
<tr>
<td>MB Free</td>
<td>17.2MB</td>
<td>2552.4MB</td>
<td>Page Cycles 0.0</td>
<td></td>
<td>Num Perm</td>
</tr>
<tr>
<td>Total(MB)</td>
<td>2048.0MB</td>
<td>2560.0MB</td>
<td>Page Steals 0.0</td>
<td></td>
<td>Total 100.0%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Page Faults 0.0</td>
<td></td>
<td>Numclient 0.7%</td>
</tr>
</tbody>
</table>

Min/Maxperm 50MB (3%) 1511MB (90%) % of RAM maxclient 90.0% min/maxfree 960 1088 Total Virtual 4.5GB User 55.0% min/maxpgahead 2 8 Accessed Virtual 1.4GB 32.2% Pinned 55.4% | lruable pages 429664.0
bootstrap with CC=/usr/bin/gcc
No error

Change shell to pdksh:
bmake: don't know how to make pbulk-index. Stop
pbulk-scan: realloc failed:

Free RAM, raise resource limits to 256MB:
/usr/pkgsrc/pbulk/libexec/pbulk/scan[54]: 11272416 Segmentation fault(coredump)

Coredump is available but dbx is not installed.

Unable to install dbx because dependencies missing.

bootstrap again without $CC set:
/bin/sh: There is no process to read data written to a pipe..

bootstrap again without $CC set & script modified to use pdksh by default
Memory fault (core dumped).
ld: 0711-596 SEVERE ERROR: Object xxx.o
An RLD for section 2 (.data) refers to symbol 111, but the storage class of the symbol is not C_EXT or C_HIDEXT. The source file contains implicitly initialized global symbols

FreeBSD/amd64
Total number of packages: 16431
Successfully built: 14054
Solaris 11 SPARC
Total number of packages: 15264
Successfully built: 7190

Solaris 11 x86
Total number of packages: 15264
Successfully built: 5911

Solaris 10 SPARC
Total number of packages: 15264
Successfully built: 8094

OmniOS
Total number of packages: 16312
Successfully built: 8056
OpenBSD/sparc64
Total number of packages: 15246
Successfully built: 5899

OpenBSD/amd64
Total number of packages: 16274
Successfully built: 8770
Bitrig/amd64

Total number of packages: 16319
Successfully built: 5183
Total number of packages: 16312
Successfully built: 11863
Linux/ppc64le
Total number of packages: 15036
Successfully built: 11313
Package | Breaks | Maintainer
--- | --- | ---
lang/python27 | 4984 pkgsrc-users%NetBSD.org@localhost
The configure tests for \texttt{wctype.h} \& checks for the suitability of \texttt{wctype\_t} \& \texttt{wctrans\_t}. It detects the presence of \texttt{wctype.h} but \texttt{wctype\_t} \& \texttt{wctrans\_t} are unsuitable at which point it tries to use its own bundled copy of \texttt{wctype.h}. The build then fails as there's conflicting types for \texttt{wctype\_t} \& \texttt{wctrans\_t}.

In file included from \texttt{quotearg.c:43}:
\texttt{./wctype.h:724: error: conflicting types for 'wctype\_t'}
\texttt{/opt/freeware/lib/gcc/powerpc-ibm-aix6.1.0.0/4.2.0/include/ctype.h:119:}
\texttt{error: previous declaration of 'wctype\_t' was here}
\texttt{./wctype.h:773: error: conflicting types for 'wctrans\_t'}
\texttt{/usr/include/wctype.h:52: error: previous declaration of 'wctrans\_t' was here}

\texttt{bundled wctype.h:724 typedef void * wctype\_t;}
\texttt{bundled wctype.h:773 typedef void * wctrans\_t;}

\texttt{system wctype.h:52 typedef wint_t (*wctrans_t)();}
\texttt{gcc ctype.h:119 typedef unsigned int\quad wctype\_t;}
config.guess

Attempt to guess a canonical system name.
Security

PHP
Java
OpenSSL
Rinse
Repeat
Mandoc support for Solaris improved
http://permalink.gmane.org/gmane.comp.tools.mdocml.devel/802

FreeBSD - pax(1) gets -o flag
https://bugs.freebsd.org/bugzilla/show_bug.cgi?id=198481

DragonFlyBSD - Deadlock issues fixed

BSD Make - Found use of memcpy between overlapping buffers
https://bugs.freebsd.org/bugzilla/show_bug.cgi?id=199486

OpenSSH-portable - updating config.guess added to checklist
https://bugzilla.mindrot.org/show_bug.cgi?id=2409#c3
“To be continued” - alnsn@