What's happening in the world of ports and portmgr
BSDCan 2008
FreeBSD portmgr
Random statistics

160 (167) ports committers
>18.000 (>17.000) ports
1503 (1434) maintainers
976 (652) Ports PRs
175 (92) unassigned
61 (68) portmgr
Random statistics

- 7 errors down from ~4%
- most errors on -5
FreeBSD portmgr

Portsmon – Work In Progress

- track packages better
  - last time the package was correctly built
  - last time the package was built at all
  - when the package first became broken
  - package upload status (done)

- visualize dependencies of ports that do not package
  - detailed view per-buildenv
  - historical trends over time

- track maintainer-timeouts
Maintainer cleanup

- last major round of maintainer-timeouts before 6.3R
- many "under-maintained" ports remain
FreeBSD portmgr

- **Trends**
  We are doing much better than we ever have at adding new-port PRs as they come in. The downside is that the number of ports continues to accelerate.
● Trends
+ We are at a steady-state on port updates.
  - We are not clearing the backlog of 'existing/assigned' PRs (70%).
    The maintainer-timeout policy is helping this.
+ The number of portmgr PRs has decreased due to 12 major regression runs for bsd.*.mk.
Trends
Many other regression runs have been done:
- xorg 7.3/X11BASE changes
- removal of XFree86
- gcc update
- autotools
- pkg_*
- GNOME (external)
- KDE (external)
- DESTDIR
- bsd.perl.mk refactoring
- python 2.5
- QA of 6.3 and 7.0 release package sets
FreeBSD portmgr

- Major projects
  - Upgrade of KDE to 4.0 (testing)
  - Upgrade of autoconf
  - Upgrade of gettext
  - Upgrade of libtool
  - 5.x support removed from bsd.*.mk
  - 5.x support removal from individual ports
  - perl 5.10
  - Removal of expired ports
  - pkg_*
Google SoC ports projects
Project: Allowing for Parallel builds in the FreeBSD Ports Collection
Student: David Forsythe
Mentor: Mark Linimon

Project: Adding .db support to pkg_tools --> pkg_improved
Student: Anders Nore
Mentor: Florent Thoumie

Project: Ports license auditing infrastructure
Student: Alejandro Pulver
Mentor: Brooks Davis
pointyhat

• more hardware available for amd64 and i386
  (many thanks to ISC!)
• sparc64 in much better shape, but likely to be dropped
  due to limited resources
• ia64 no longer being tested
• 5.x EOL
• mirror synchronization
 Ports BOF: 2008-05-16 17h00 room H

- Do we need a fully feature package tool in the base, e.g. portmaster, or can we leave it in ports?

- smaller package sets (e.g. embedded, desktop)

- CVSROOT/modules
FreeBSD portmgr

Links


http://people.FreeBSD.org/~erwin/presentations/

erwin@FreeBSD.org