

# FreeBSD portmgr



**What's happening in the world of ports and portmgr  
BSDCan 2008**

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## Random statistics

160 (167) ports committers

>18.000 (>17.000) ports

1503 (1434) maintainers

976 (652) Ports PRs

175 (92) unassigned

61 (68) portmgr

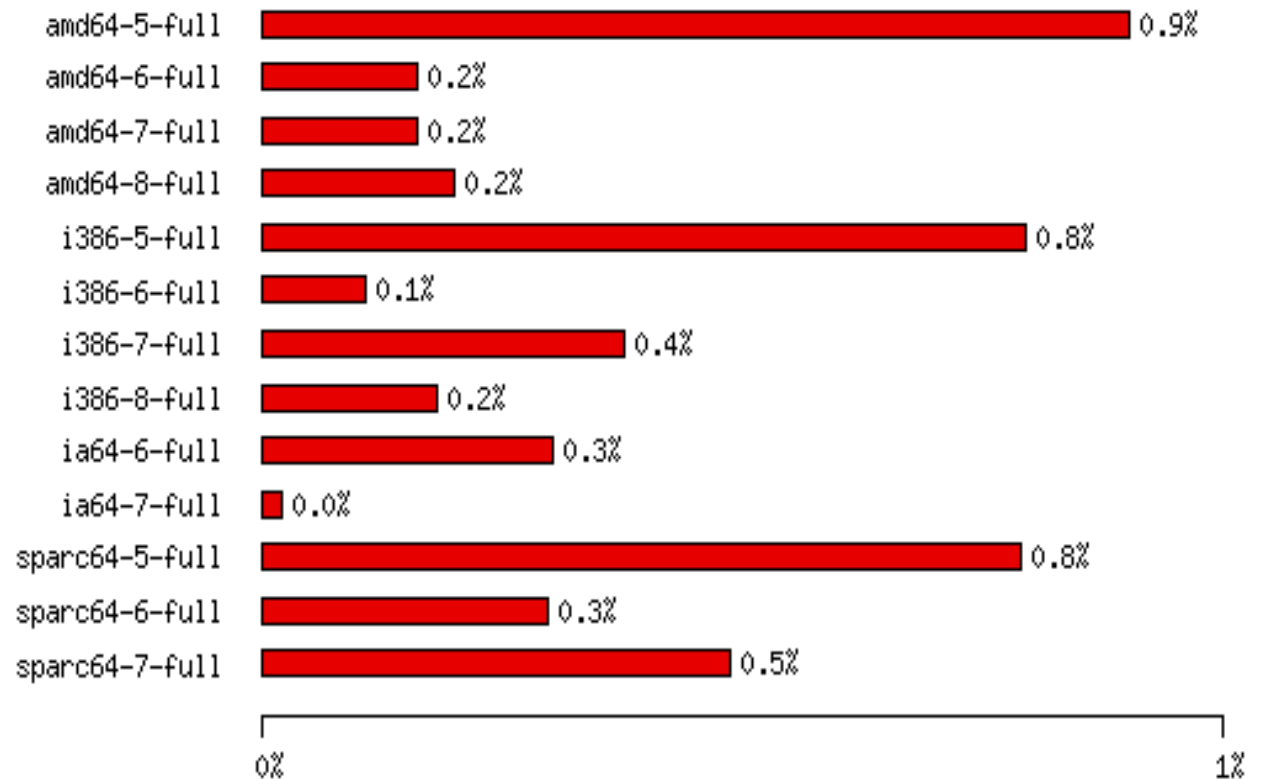
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## Random statistics

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

Percent of ports with build errors by build environment



generated on Wed May 7 12:57:04 2008

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## 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

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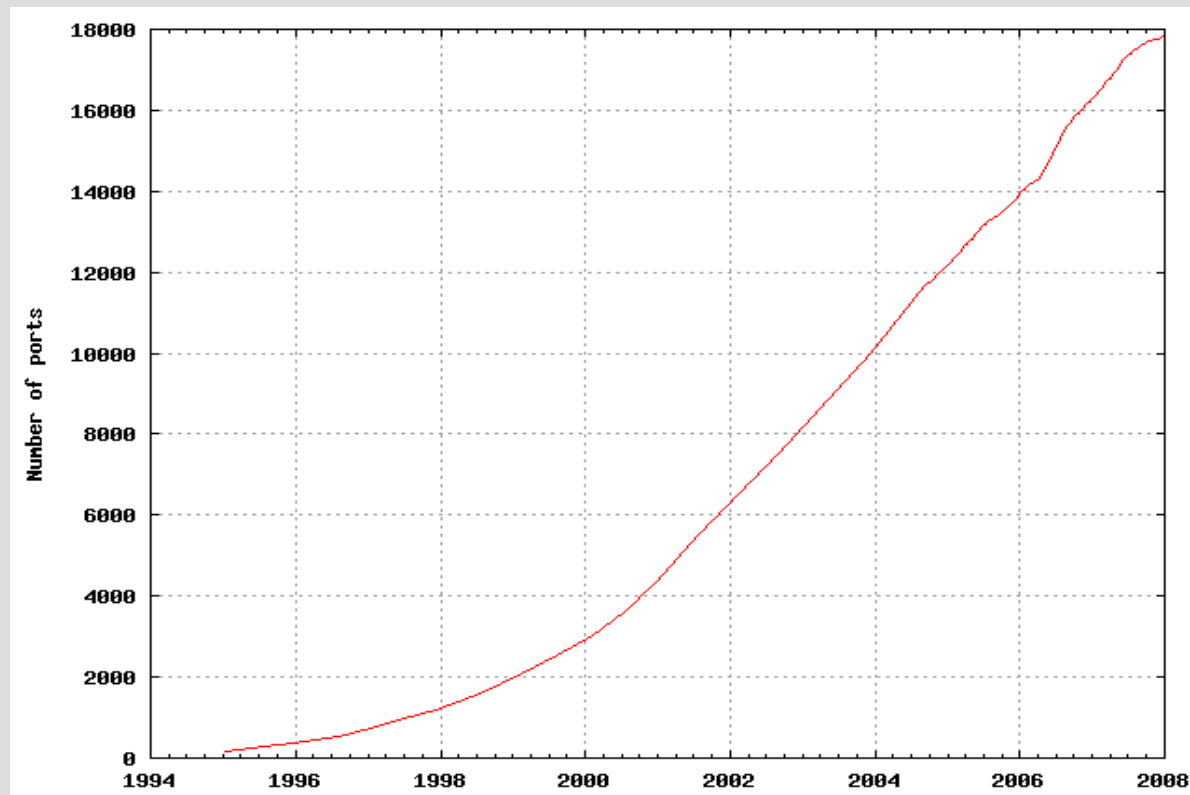
- **Maintainer cleanup**
- last major round of maintainer-timeouts before 6.3R
- many "under-maintained" ports remain

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## •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.

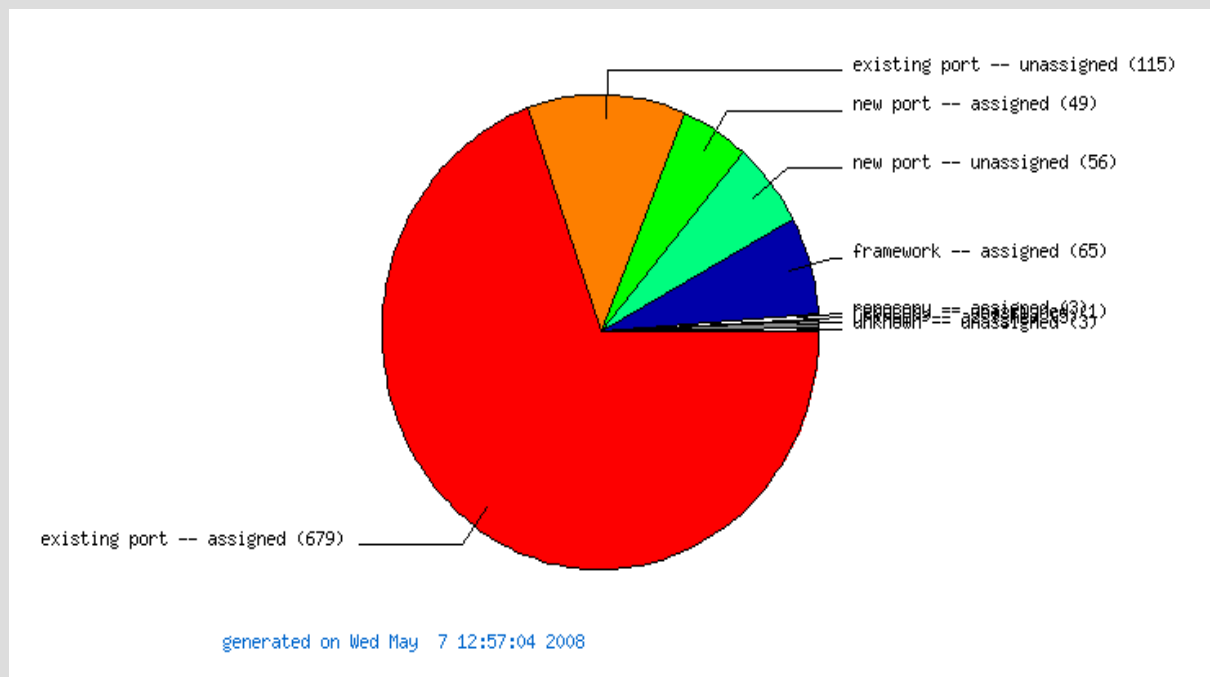


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## •Trends

- 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`.





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## 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

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- **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\_\*

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## **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

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## 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

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## *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

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## Links

- <http://www.FreeBSD.org/ports/>
- <http://www.FreeBSD.org/portmgr/>
- <http://portsmon.FreeBSD.org/>

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

[erwin@FreeBSD.org](mailto:erwin@FreeBSD.org)