

# FreeBSD portmgr



**Ports and portmgr – status report DevSummit BSDCan 2007**

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## Random statistics

167 ports committers

>17.000 ports

1434 maintainers

652 Ports Prs

92 unassigned

68 portmgr

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## Random statistics

package stats:

88% (amd64-5)

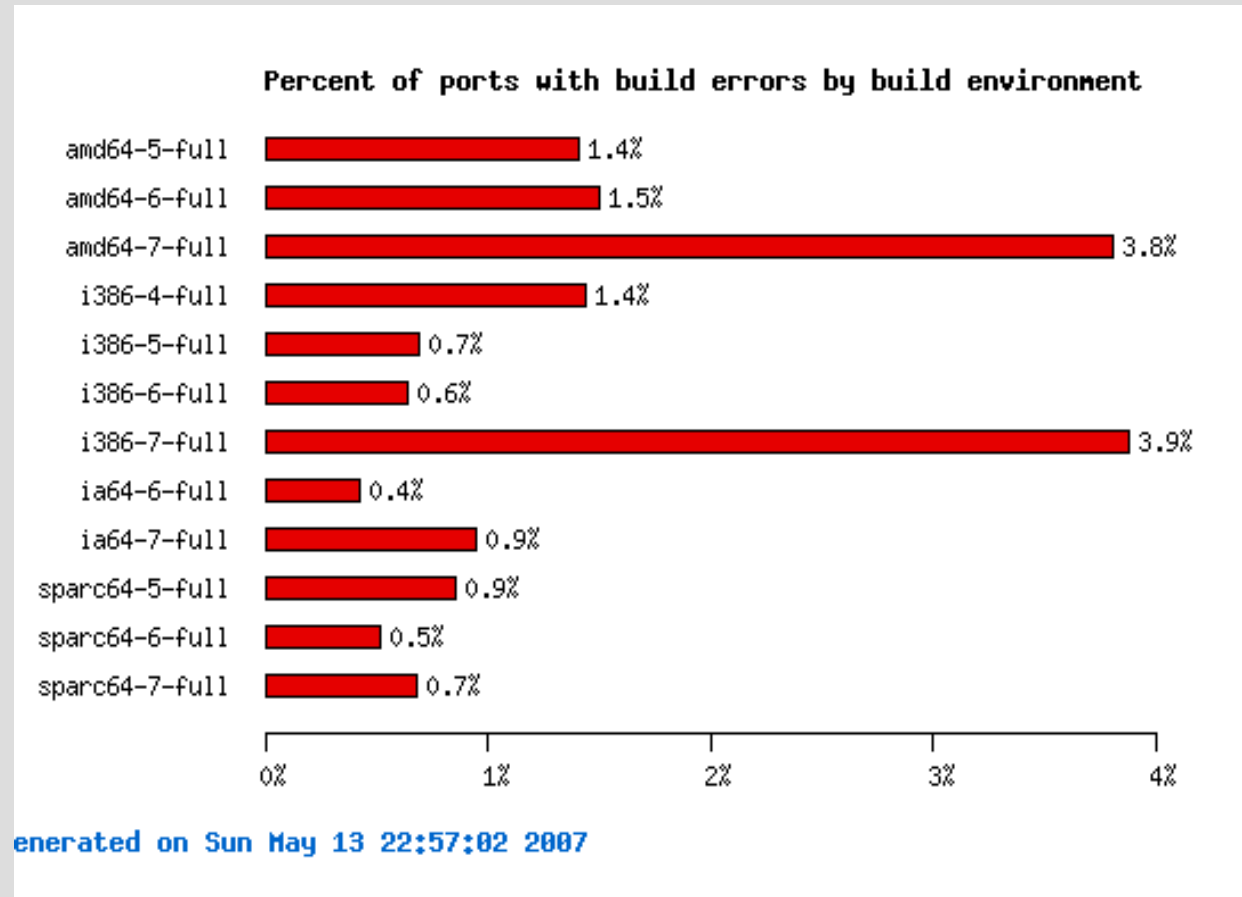
90% (amd64-6)

85% (sparc64-7)

92% (i386-5)

97% (i386-6)

89% (i386-7, gcc4.1)



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## Major projects

Xorg 7.2 merge

/usr/X11R6 -> /usr/local

GCC 4.2

Unregistered UID/GID

FORTRAN migration

4.x support removed from bsd.\*.mk (complete)

4.x support removal from individual ports (ongoing)

Python 2.5

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## Portsmon

new emphasis on tracking package status (not just port status).

See presentation at the conference proper.

- try to track things like IGNORED, NO\_PACKAGE, and dependencies of ports that do not package
- track maintainer-timeouts (in progress)

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## Maintainer cleanup

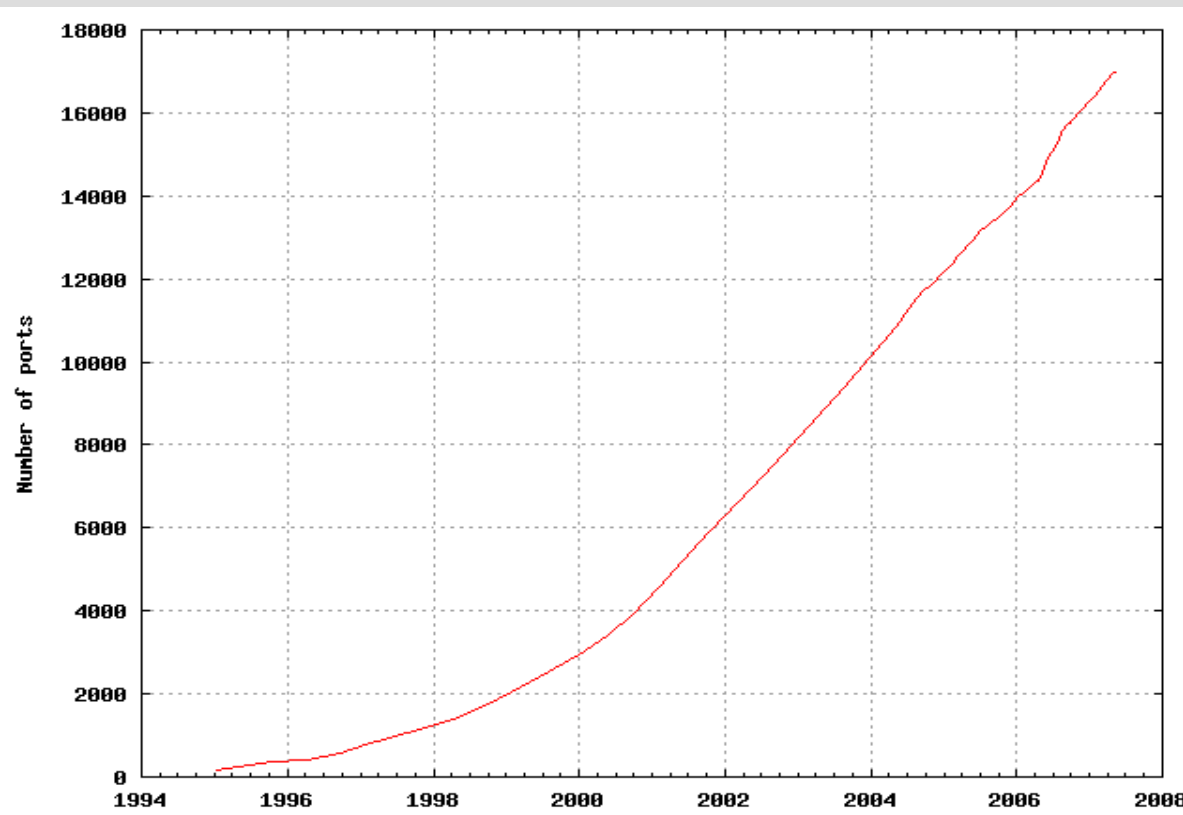
- `linimon@` has sent hundreds of messages out to maintainers whose ports have been committed to via maintainer-timeout on PRs. Several dozen maintainers have been reset, either due to no response or their request. A few have been reset regardless because they had not been responsive enough.
- all maintainer-timeouts currently being tracked in a flat file.
- email has been sent to everyone with timeouts from the period of September 2006 through March 2007.

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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.

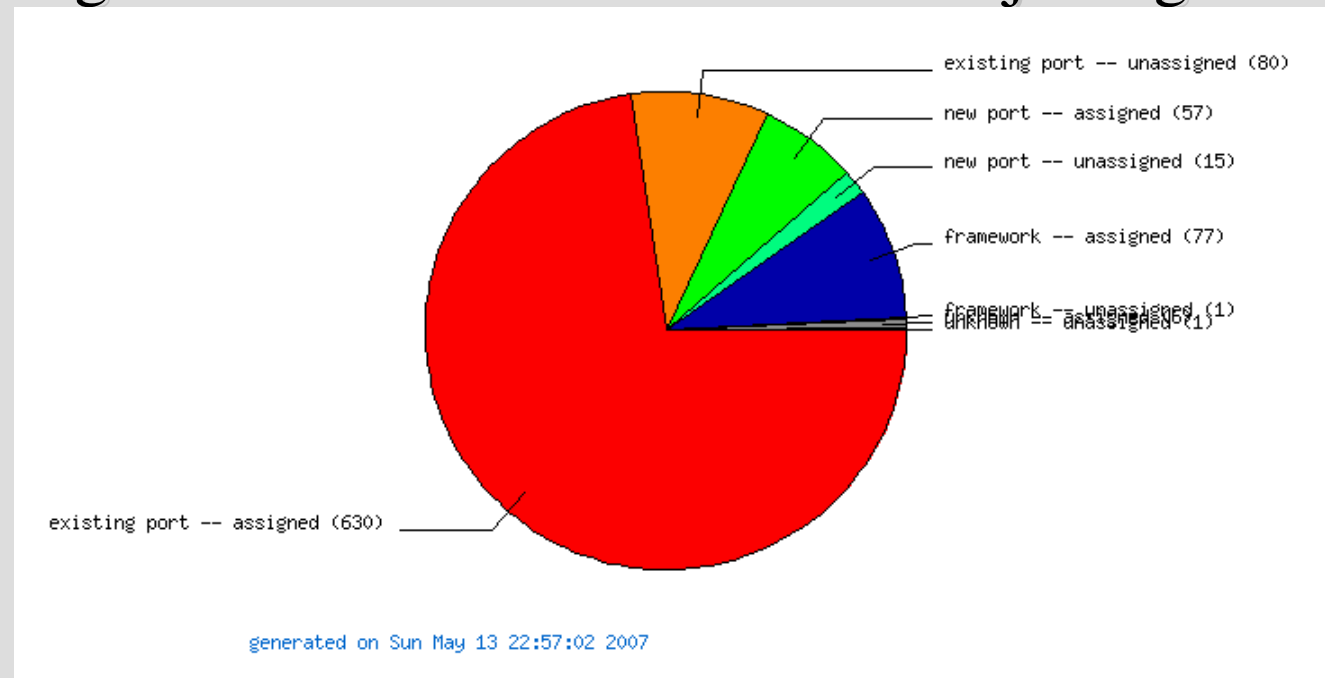


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## Trends

- 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 6 major regression runs for `bsd.*.mk`.





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## Trends

Many other regression runs have been done:

- xorg/X11BASE changes
- gcc update
- autotools
- pkg\_\*
- GNOME (external)
- KDE (external)

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## "future work"

- finish gabor's work on DESTDIR (SoC2007)
- Find a new maintainer for XFree86-4. (lesi is busy with \$real\_life)
- Continue to refactor bsd.port.mk. Performance analysis: unknown.
- Get ready for perl6. This is going to shake the tree `_hard_`.
- rework of OPTIONS
- add CAPABILITIES (e.g. apache22 PROVIDES web-server)
- more useful "browse" and "sort" functions for ports
- local ports support
- compat6x

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## Tinderbox

Distributed tinderbox is on hold awaiting a new developer

Version 2.4 upcoming:

- Callout hooks
- Better OPTIONS integration
- Support for dependent status updates
- Support for port build ETA and duration stats

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## **SoC ports projects**

Project: Unified ports / package system database backend

Student: Garrett Cooper

Mentor: Kirill Ponomarew

Project: Parallelization of the Ports Collection

Student: Wade Wesolowsky

Mentor: Pav Lucistnik

Project: Improve the FreeBSD Ports Collection Infrastructure

Student: Gábor Kövesdán

Mentor: Andrew Pantyukhin

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## Links

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

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

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