

Package sets



**Ports and packages summit
BSDCan 2012**

Current issues



Packages are built best-effort

No predictable date

Only current set supported,
e.g. can't install system today and add one port next week

Packages-x.y-release vs packages-x-stable confusion

-release packages are really, really old

Sets



- Well-defined, internally consistent
- Adding software after install from same set
- Easy upgrade between sets
- Well-defined support lifecycle

Requirements



- PKGNG (BETA testing)
- SVN (POC testing)
- CDN (design phase)

Package sets



Define “set”.

A full tree of packages at given RCS-id within a given major branch.
Requires: single, unique tree-wide revisionID

Install tools need to understand set ID

→ PKGNG

Package sets



Starting point:

- Only Tier 1 architectures (i386, amd64)
- No HEAD

Weekly package sets:

Frequent enough not to need branching or pullups

EoL: 2 months

Monthly package sets:

Slower churn

EoL: 12 months



EOL policy releases/branches



Keep current policy of following so@.



Release packages



re@ includes latest available package set with extended support at the time of release building.

VCS



2011: SVN?
2012: SVN!

FreeBSD portmgr



Links

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

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

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