Ports and package summit

FreeBSD Developer Summit, EuroBSDCon 2013

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PCBSD CDN

Allan Jude, ScaleEngine

- rsync --delay-update
- zfs replication
- zfs-snapshot-mgmt
- Automatic mirror selection

Recent developments

- SSP (Jeremy Le Hen)
  - New SSP_UNSAFE knob
  - Default enabled in 10.x for amd64 and i386
  - Usable amd64/9.x with WITH_SSP_PORT (NOOP on i386)

- Staging (Baptiste Daroussin)
  - Can catch errors earlier
  - NEED_ROOT if needed
  - Improves build farms
  - Catches broken plist
  - No need for most post-install scripts
  - Can improve QA
  - sub-packages
  - Default on, but turned off for all ports individually
    - Start testing and fixing!

Future plans

- Package sets
  - Decoupled from src releases
  - Do we want a security branch?
  - Revive ports-secteam
  - Quarterly releases
  - Weekly updated with security fixes only
  - Can start now with pkg-test

Future plans

Remove pkg_install tools

- Blocks new features
- Easy migration for ports users
  - pkg pkg2ng
  - portmaster/portupgrade will work as before
- pkg has 3rd party support: puppet, chef, ansible, salt, webmin, packagekit
- Ample warning to users
- 8.3-RELEASE does not have pkg, EOL April 2014
- Automatic warnings?

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Open tasks

Package naming

- LATEST_LINK is a hack

- Better use of PKGNAMESUFFIX

- Automated checking

- Policy change: PKGNAME unique across categories
  - Options
  - Flavours
  - Sub-packages

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