



# pkgng: replacing pkg\_install

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# what changes

New backend: SQLite

New package format

New repository format

New libpkg

New frontend: pkg



# New backend SQLite

Fast

Reliable

Full featured

Amalgamation

Data integrity



# New package format

Full paths

+MANIFEST (plist format)

+{,PRE,POST}UPGRADE scripts

new PRE or POST only scripts

No more @dirrm

Support empty directories

New metadata: OPTIONS, MAINTAINER, WWW, etc.

Format can be tar, tgz, tbz, txz



# New libpkg

Mostly deals with binary packages and repositories

All features are in the library

High level function

Hides the database

Simple API

New frontend can now be safely written

The wheel exists, reuse it:

(libarchive, libsbufl, libfetch, openssl, ...)



# New repository formats

No mandatory hierarchy

SQLite

RSA signature

No ports required to build



# New frontend

One cli to rule them all: pkg

sub-commands:

- register: to register package from the ports
- info: query information from local db
- delete: remove installed packages
- create: create binary package in a chroot
- which: find which package owns a file
- update: fetch a new version of the remote db
- upgrade: proceed a full upgrade of the packages
- add: install or upgrade a given package
- search: query the remote db
- repo: create a package repository



# Guilty list

NetBSD's pkgin: it all started there

Julien Laffaye: Co-author from the beginning

Philippe Pepiot: Huge contribution

All contributors and reviewers

<https://github.com/pkgng/pkgng>





# PKGNG: Thanks

**Questions ?**