FreeBSD in packages

Andrey Zonov, August 2012

How to update FreeBSD?

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- svn co svn://svn.freebsd.org/base/stable/9 /usr/src

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- svn co svn://svn.freebsd.org/base/stable/9 /usr/src
- make buildworld buildkernel

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- mergemaster -p

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- make installworld

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- make buildworld buildkernel
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- mergemaster -p
- make installworld
- make delete-old

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- mergemaster -p
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- mergemaster -iUF

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- make installworld
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- reboot
- portmaster -a

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- make delete-old-libs

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- make delete-old-libs
- reboot
- profit!

How to update FreeBSD with pkgng?

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- pkg upgrade -y

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How to update FreeBSD on cluster?

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- make installworld

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- ~~make installworld~~ (/usr/obj)

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- ~~make installworld~~ (/usr/obj)
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How to update FreeBSD on cluster?

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- make packageworld
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- make delete-old

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- ~~make delete-old~~ (/usr/src)

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- mergemaster

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- ~~mergemaster~~ (/usr/src)
- portmaster

How to update FreeBSD on cluster?

- ~~make installworld~~ (/usr/obj)
- make packageworld
- tar -C / -xf base.txz
- ~~make delete-old~~ (/usr/src)
- ~~mergemaster~~ (/usr/src)
- ~~portmaster~~ (/usr/ports)

How to update FreeBSD on cluster with pkgng?

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- `pkg upgrade -y`

How it works?

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- base:

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for file in /usr/share/examples/*; do
        if cmp /etc/$file /usr/share/examples/$file; then
            rm /etc/$file
        fi
done
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- lib32:
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  kldxref /boot/kernel
  ```
- lib32:
  ```
  chflags noschg /libexec/ld-elf32.so.1 /usr/lib32/*
  ```
- rescue:
- zoneinfo:
  ```
  nothing
  ```

Plans

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- make release?

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- make release?
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Plans

- make release?
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- new packages:
    - libc-gdb
    - lib*-gdb

Thanks !