

CFR: dynamically-linked root patch

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/arch/2003-08/0046.html>

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Date: 08/12/03

Date: Mon, 11 Aug 2003 23:54:59 -0700

To: arch@FreeBSD.org

I've put up what I hope to be my final patch for a dynamically linked world. Here's my plan for rolling it into place with as little fuss as possible (hopefully):

- 1) Add /lib and /libexec to mtree along with the tweaks to rtd-elf to prepend /lib to the search path. Add necessary make-goo to strap /lib into buildworld.
- 2) Make rtd installed into /libexec with a compatibility symlink in /usr/libexec so existing binaries continue to work.
- 3) Kick over all the libraries needed to run /bin and /sbin into /lib. Only the versioned binaries will be in /lib, the .so symlink will continue to live in /usr/lib so the toolchain doesn't need to be modified.
- 4) Add support of a WITH_DYNAMICROOT knob that will make /bin and /sbin dynamic. If things go badly, that's what /rescue is for.
- 5) Optionally, make WITH_DYANMICROOT default (reverse the logic actually).

http://people.freebsd.org/~gordon/patches/dynamic_patch

Please look over this patch, if I don't hear any objections or any ideas as to a better way to integrate in order to keep the potential for foot shooting down, I'll start integrating them.

—gordon

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- application/pgp-signature attachment: [stored](#)