

## Re: HEADS UP: /bin and /sbin are now dynamically linked

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2003-11/1782.html>

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**From:** David O'Brien ([dev-null\\_at\\_nuxi.com](mailto:dev-null_at_nuxi.com))

**Date:** 11/24/03

Date: Mon, 24 Nov 2003 09:32:18 -0800  
To: Rahul Siddharthan <[rsidd@online.fr](mailto:rsidd@online.fr)>

[ From: set to /dev/null as too many can't follow the Reply-To: ]

On Mon, Nov 24, 2003 at 11:00:24AM -0500, Rahul Siddharthan wrote:  
> > *NO. /rescue was allowed in the system to handle the case of a trashed*  
> > *file in /lib[exec]. To allow a sysadmin to recover a system from the*  
> > *same type of mishaps they could before we went to a dynamic /.*  
>  
> *Ie, let's do things the same way we did in 1994? Other things have*  
> *changed since then, hard drives and typical root partitions are much*  
> *bigger, and Tim estimated the total bloat from this as 64k. Maybe*  
> *earlier, pre-/rescue, you couldn't recover from damaged files in the*  
> *root partition without a CD/floppy/NFS, it doesn't mean you should not*  
> *have that capability in /rescue.*

Lets have /rescue/{[s]bin,usr/[s]bin}. Install static copies of every thing in /[s]bin and /usr/[s]bin today. That will let you recover in even more ways.

Where does it end if we don't go full-out and install a 2nd copy of every binary?

> *For a \*lot\* of people today (like home users), an up-to-date FreeBSD*  
> *CD or floppy or a second machine to create the disk on may not be*  
> *handy (and forget about NFS), but a network connection may still be*  
> *available.*

That network connection would most likely be a M\$-Win box in that case, which doesn't have an FTP server. Samba, not an FTP client should be in /rescue then.

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