

pfSense - Bug #4328

Some symlinks not updated by full update

01/28/2015 02:40 AM - Doktor Notor

Status:	Resolved	Start date:	01/28/2015
Priority:	High	Due date:	
Assignee:	Chris Buechler	% Done:	100%
Category:	Upgrade	Estimated time:	0.00 hour
Target version:	2.2.1	Release Notes:	Default
Affected Version:	2.2		
Affected Architecture:	All		

Description

Forum thread: <https://forum.pfsense.org/index.php?topic=87336.msg481876#msg481876>

On upgrade, there are loads of /usr/lib linker symlinks not updated and pointing to obsoleted nonexistent libs on **full** installs, breaking things on the way. Some examples:

```
/usr/lib/libcrypto.so -> /lib/libcrypto.so.6
$ ls -l /lib/libcrypto.so.6
ls: /lib/libcrypto.so.6: No such file or directory

/usr/lib/libmd.so -> /lib/libmd.so.5
$ ls -l /lib/libmd.so.5
ls: /lib/libmd.so.5: No such file or directory

$ ls -l /usr/lib/libusb.so*
lrwxr-xr-x 1 root wheel 11 Jan 24 06:00 /usr/lib/libusb.so -> libusb.so.2
-r--r--r-- 1 root wheel 65068 Jan 22 22:07 /usr/lib/libusb.so.3

/usr/lib/libufs.so -> /lib/libufs.so.5
$ ls -l /lib/libufs.so.5
ls: /lib/libufs.so.5: No such file or directory
```

No such issue exists on nanobsd.

Associated revisions

Revision 830ceadf - 03/11/2015 03:46 PM - Renato Botelho

Remove -U frommtree call used to restore files permissions, this is replacing symlink targets by the old values. Ticket #4328

Revision b6c04ed8 - 03/11/2015 03:47 PM - Renato Botelho

Remove -U frommtree call used to restore files permissions, this is replacing symlink targets by the old values. Ticket #4328

Revision 02acc7af - 03/11/2015 05:14 PM - Renato Botelho

Detect when broken rc.firmware is running, fix it and restart. This should fix #4328

Revision 3f5e998c - 03/11/2015 05:14 PM - Renato Botelho

Detect when broken rc.firmware is running, fix it and restart. This should fix #4328

History

#1 - 01/28/2015 08:03 AM - Renato Botelho

- Status changed from New to Feedback

- % Done changed from 0 to 100

I pushed a fix for this on tools

#2 - 01/28/2015 08:03 AM - Renato Botelho

- Affected Version changed from All to 2.2

#3 - 01/28/2015 12:55 PM - Doktor Notor

Thanks. I assume the only way to test this is to wait for 2.2.1 :)

#4 - 01/28/2015 01:48 PM - Jim Thompson

Likely, (or build from source) but 2.2.1 likely not that far away, either.

#5 - 02/13/2015 04:04 PM - Kill Bill

Well, all I can say is that this is definitely not fixed. Tested with 2.2.1-DEVELOPMENT-i386-20150213-1429 snapshot.

```
$ ls -l /usr/lib/libusb.so*
lrwxr-xr-x 1 root wheel 11 Feb 13 22:51 /usr/lib/libusb.so -> libusb.so.2
-r--r--r-- 1 root wheel 65068 Feb 13 21:56 /usr/lib/libusb.so.3

$ ls -l /usr/lib/libufs.so*
lrwxr-xr-x 1 root wheel 16 Feb 13 22:51 /usr/lib/libufs.so -> /lib/libufs.so.5
$ ls -l /lib/libufs.so.5
ls: /lib/libufs.so.5: No such file or directory

$ ls -l /usr/lib/libcrypto.so*
lrwxr-xr-x 1 root wheel 19 Feb 13 22:51 /usr/lib/libcrypto.so -> /lib/libcrypto.so.6
$ ls -l /lib/libcrypto.so.6
ls: /lib/libcrypto.so.6: No such file or directory
```

#6 - 02/26/2015 03:48 PM - Kill Bill

Still broken. Really, I feel somehow the point gets missed here - is there actually some upgrade script to clean up the stale mess? Fixing it on newer builds will not clean up the mess on current installs.

#7 - 03/10/2015 10:53 PM - Chris Buechler

- Subject changed from *pfSense.obsoletedfiles - badly broken upgrade handling on FULL installs* to *Incorrect lib symlinks in full update files*

- Status changed from Feedback to Confirmed

- Assignee set to Renato Botelho

The symlinks in the full update files are pointing to the wrong file for some of those, which appears to be the source of the remaining issue. They just need to be corrected and existing installs will be fine post-upgrade.

#8 - 03/10/2015 10:53 PM - Chris Buechler

- % Done changed from 100 to 50

#9 - 03/11/2015 06:53 AM - Renato Botelho

- Status changed from Confirmed to Feedback

- % Done changed from 50 to 100

It was probably caused by a problem on builder. I checked latest snapshot and all symlinks are valid.

#10 - 03/11/2015 12:14 PM - Kill Bill

```
$ cat /etc/version.buildtime
Wed Mar 11 05:59:00 CDT 2015
```

```
$ ls -l /usr/lib/libusb.so*
lrwxr-xr-x 1 root wheel 11 Mar 11 15:35 /usr/lib/libusb.so -> libusb.so.2
-r--r--r-- 1 root wheel 65068 Mar 11 12:15 /usr/lib/libusb.so.3
```

```
$ ls -l /usr/lib/libufs.so*
lrwxr-xr-x 1 root wheel 16 Mar 11 15:35 /usr/lib/libufs.so -> /lib/libufs.so.5
$ ls -l /lib/libufs.so.5
ls: /lib/libufs.so.5: No such file or directory
```

```
$ ls -l /usr/lib/libcrypto.so*
lrwxr-xr-x 1 root wheel 19 Mar 11 15:35 /usr/lib/libcrypto.so -> /lib/libcrypto.so.6
$ ls -l /lib/libcrypto.so.6
ls: /lib/libcrypto.so.6: No such file or directory
```

This might be fixed on a fresh install, it definitely is not fixed on upgraded system -- which is the whole point of this bug.

#11 - 03/11/2015 12:31 PM - Chris Buechler

- Subject changed from *Incorrect lib symlinks in full update files* to *Some symlinks not updated by full update*

- Status changed from Feedback to Confirmed

I was looking at something wrong last night, the symlinks within the update files are correct, they're just not overwriting what's there already.

#12 - 03/11/2015 05:16 PM - Chris Buechler

- Status changed from Confirmed to Feedback

- Assignee changed from Renato Botelho to Chris Buechler

to me for testing

#13 - 03/11/2015 05:30 PM - Renato Botelho

Applied in changeset [02acc7afdf137d2da969f120e7318584e58c7993](#).

#14 - 03/11/2015 05:30 PM - Renato Botelho

Applied in changeset [3f5e998c9cc7e9cce41a3f5abe4d1be6c272d2c1](#).

#15 - 03/11/2015 09:08 PM - Chris Buechler

most recent snapshot didn't quite catch that commit, new ones building now.

#16 - 03/11/2015 10:14 PM - Chris Buechler

- *Status changed from Feedback to Resolved*

that definitely fixed the remaining issue, both 32 and 64 bit.

#17 - 03/12/2015 02:10 AM - Kill Bill

Chris Buechler wrote:

that definitely fixed the remaining issue, both 32 and 64 bit.

Confirmed. Thanks. :)