

FIXLINK

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1. CONTENTS

The goal of this package is to write the new `/Library/TeX/texbin` link for users with older systems, and to fix the shell for users who upgrade the system.

Users who install MacTeX-2015 or BasicTeX-2015 or later will automatically get the new link. Users sticking with an earlier system will not have it. This small package writes the missing link.

When OS X is updated, the files `TeX` in `/etc/paths.d` and `TeX` in `/etc/manpaths.d` are sometimes removed, so Terminal can no longer find TeX. These files are added again by this package.

2. DETAILS

A clean package file will contain

- Files “background.jpg”, “License.rtf”, “ReadMe.rtf”, “Welcome.rtf”
- A “root” folder owned by root, containing `root/Library/TeX/About texbin`.
- A scripts folder containing files “postinstall”, “TeXPath”, “TeXManPath”
- FixLinkBuild, a project file for Packagemaker
- The script `signPackage.sh`
- “TUG” folder with this document

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3. BUILDING THE FINAL INSTALL PACKAGE WITH PACKAGEMAKER

The package contains templates `FixLinkBuild` and `FixLinkBuild.copy`. The second is the primary backup of the first. The material below forms a sort of supplemental backup.

Edit `FixLinkBuild`, the Packagemaker project file, using the GUI interface, as follows.

Date: May 11, 2016.

- (1) Click the top item on the left. The right side will change to a view with three tabs. First select the Configuration tab. Edit so
 - (a) Title: FixLink
 - (b) User Sees: Easy Install Only
 - (c) Install Destination: System volume
 - (d) Certificate: Leave this blank. You might think that putting a certificate name here would correctly sign the package, but experiments show that it does not. The package needs to be signed after it is constructed.
 - (e) Description: Empty
- (2) The Requirements and Actions tab entries for the top item can be left blank item. Click the entry FixLink in the Contents section on the left. The right side will change to a view with two tabs. Select the Configuration tab. Edit so
 - (a) Choice Name: FixLink
 - (b) Identifier: choice1
 - (c) Initial State: Selected and Enabled
 - (d) Destination: Leave Blank
 - (e) Tooltip: Leave Blank
 - (f) Description: Leave Blank
- (3) The Requirements tab entries for this contents item can be left blank
- (4) Open the FixLink entry in the bottom left column. This item should show a “root” directory, obtained by dragging root to the left column. The right side will change to a view with four tabs. The item under the Components tab can be left blank. It is not necessary to edit the items under the Contents tab. The items under the Configuration tab should be edited as follows:
 - (a) Install: root (The item on the right should have selected “Relative To Project”)
 - (b) Destination: / (The item on the right should have selected “Relative To Project”)
 - (c) Do not check “Allow custom location”
 - (d) Patch: No patch root selected
 - (e) Package Identifier: org.tug.mactex.FixLink2016
 - (f) Package Version: 1.0
 - (g) Restart Action: None

- (h) Check “Require admin authentication”
- (i) PackageLocation: Self-Contained

The items under the Scripts tab should be edited to read

- (a) Scripts directory: scripts (The item on the right should have selected “Relative To Project”)
- (b) Preinstall: Leave Blank
- (c) Postinstall: scripts/postinstall (The item on the right should have selected “Relative To Project”)

After verifying all these items, build the install package by clicking the “Build” icon. When asked to select a name, choose “FixLink-Temp”. After the package has been made, sign it by executing the following line in Terminal:

```
sh signPackage.sh
```

This script simply calls

```
productsign --sign "Developer ID Installer: Richard Koch" old-name new-name
```

where “old-name” is FixLink-Temp.pkg and “new-name” is FixLink.pkg.