

# TUG-TEXLIVE-2017

RICHARD KOCH

## 1. TEXLIVE-2017

This is the portion of the TUG documentation which deals with making the TeXDist package. This is used in the DVD version of the Installer.

A clean package file will contain

- Files “buildPackage.sh” and “signPackage.sh”
- Files “background.jpg”, “License.rtf”, “ReadMe.rtf”, and “Welcome.rtf”
- The main folder has a scripts folder containing files “Description.rtf”, “postinstall”, “texdist”, “TeXDist-description.rtf”, “TeXDistVersion”, “TeXManPath”, and “TeXPath”.
- Two project files for PackageMaker, TeXDistBuild, and “TeXDistBuild copy”
- “TUG” folder with this document

## 2. UPDATING FOR A NEW YEAR

To update the package for a new year, edit “buildPackage.sh” to reflect the new package names, which contain the year.

Also edit the License.rtf, ReadMe.rtf, and Welcome.rtf files both at the root level of the folder and inside the DVD folder.

Edit the two postflight scripts appropriately, mainly by changing the year. For instance, to change from 2016 to 2017, use Search and Replace to change the many, many occurrences of 2016 to 2017 in these files.

## 3. CREATING THE PACKAGE

Issue the command

```
sudo sh buildPackage.sh
```

to build the root folder, containing /Library/TeX.

#### 4. BUILDING TEXDIST

This step is optional, since TeXDist will be part of MacTeX for the DVD.. There are two copies of the TeXDistBuild template. The copy titled “TeXDistBuild copy” is there for backup in case the original template becomes corrupted, and the material below just provides additional backup.

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

- (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: TeXDist
  - (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
- (3) Click the entry TeXDist 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: TeXDist
  - (b) Identifier: choice1
  - (c) Initial State: Selected and Enabled
  - (d) Destination: Leave Blank
  - (e) Tooltip: Leave Blank
  - (f) Description: Leave Blank
- (4) The Requirements tab entries for this contents item can be left blank
- (5) Open the TeXDiste entry in the bottom left column. This item should show a “Library” directory, obtained by dragging root/Library to the left column. The right side will change to a view with four tabs. It is not necessary to edit the items under the Contents or Components tabs. The items under the Configuration tab should be edited as follows:
  - (a) Install: root/Library (The item on the right should have selected “Relative To Project”)

- (b) Destination: /Library (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.texdist2017
- (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”)

## 5. SIGNING

Sign the package using the single command

```
sh signPackage.sh
```