(Installing) TeX on Mac OS X (with i-Installer)

TUG 2003

Short Intro, Demo and Q&A

A First

- Probably: First iChat AV conference speaker?

- Likely: Record on distance.

User reactions

"I just used i-installer the first time, and I find it extremely compicated.I pushed Install on one package, that worked.
On the other it did not. I get some cryptic message saying "failed, see below why"; but "below" does not say why.
Also the packages appear with different titles and names in different places.
The whole thing is not well designed.
For the moment I will stick to Oztex.
Downloading 70 MByte and then not working is no fun."

(July 19, 2003)

Origins

- NeXT User, Book Project, Correspondence

- Move to Mac OS X

- "Backup" strategy: share!

  - It gets out of hand…

Essentials

- Mach/BSD Unix
  - teTeX, later TeX Live + teTeX
- PDF
  - pdfTeX
  - Quartz

Initial Hurdles

- EOL Styles (Unix versus Mac)

  - Remains a problem (e.g. epstopdf)

- File Systems (Unix versus Mac)

- Packaging (Installer.app versus symlinks)

- Mac Users (demanding)

History

- Download & Compile Instructions

- TeXGSInstaller (monolithic)

- i-Installer (packages, updatability)

- i-Installer v2 (+interaction, +improvements)

Philosophy

- Security (while using privileges)

- It just works (difficult!)

- Both newbie & expert (difficult!)

- Should work on standard system

- Non-forced modularity (mix and match)

Philosophy cont'd

- Free

- Flexible

  - Install/Configure/Remove/Interaction

- Future

  - `Fragmented' package contents

  - Support Group

User reaction #2

- After a while, the center window says
something new (I never had this before)
"Configure what?" I chose "everything".
((Is thius because you have to be online to install?))

  Oh, now it is installing;that is surely the 10th time
i do it, but the first time it works ...

- I had to press install 4 times. The first three
times it said "failed". I guess this is what
happened to the main packages as weel.

  Anyway, it works; all is well that ends well.

More on "It just works"

- Away from the command line requires batch processing by Thomas Esser's scripts:

  - fmtutil --listcfg / --enablefmt / --disablefmt

  - The new updmap system

  - Config file format changes (%! or #!)

- All work done by Thomas Esser

TeX Foundation (teTeX + gwTeX)

Inspect Files   Install & Remove   Properties

Install   Run Configuration Script   Run Remove Script

i-Directory Root: http://

i-Package Name
Autotrace
bash (a unix shell progr
BZIP2 Tools and Library
CM Super for TeX
Fondu Mac Font cli Too
Freetype 2
Ghostscript 6
Ghostscript 7
Ghostscript 8
i-Installer
ImageMagick
JPEG Tools and Library
LaTeX to RTF Converter
MacUtils binhex etc. cli
Netpbm Tools and Libra
pfaedit CLI
PNG Library
RTF 2 LaTeX2e
TeX Foundation (teTeX
TeX Programs (TeX Live

Reload Current i-Dire

i-Directory Name
GW NTG i-Directory
GW TUG i-Directory   http://tug.c
GW Univ. of UTAH i-Directory   http://www
GW Yale i-Directory   http://bloch

Messages:

TeX Programs (TeX Live)

Inspect Files   Install & Remove   Properties

Demo

urce
URL: ttp://   g   ges/te   ies.ii2   Set Remote
Size: .1 M

Versi ns
elf: 2003/0 16 1 18:18   Update Self
Remote Package: Different: 2003/07/17 22:19:03   Check Remote
Installed: Different: 2003/07/13 18:49:45

Installation
Install Location: /usr/local/teTeX   Change
☑ Authentication required   Interactive: YES   Nonstandard files: YES

Package Signature

Messages: Activity Window

iM

To Do

- Set up support group

- Release i-Installer source code...

- Release i-Packages creation setup

- (Finish MBA, get a job, learn ConTeXt, raise the kid(s) and finish my book)

Q&A