Taco Hoekwater

July 24, TUG 2008
INGREDIENTS
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lua 5.1
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bits of fontforge
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bits of dvipdfmx
Ingredients

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\TeX
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\pdfTeX
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PDFTeX
ALEPH
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lua libraries
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bits of dvipdfmx
TEX
PDFTEX
ALEPH
C code
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\TeX
PDFTeX
ALEPH
C code
bugs
TUG Last year (0.10)
Callbacks

• callbacks hook into the internal processing
• they make \textsc{luatex} run a lua function you define
• some extend, some replace core functionality
• no connection to the \textsc{tex} input language
• equivalent to compiled executable code
• used for: finding files, reading and preprocessing input, font definitions, token creation, node list handling, information display.
TUG This year (0.29)
Font extensions

• subsetting for CID fonts
• ttc and AAT font format support
• Type1 fonts can use Unicode 'encoding
• PDF searching
• image support in virtual fonts
Hyphenation redone

• hyphenation / ligature separation
• discretionary in hyphenation exceptions
• repeating hyphens after explicit discretionaries
Lua extensions

- MPLib
- os library extensions
- img library
- luasocket library
- \textluac script compiler
Still to come

• math engine overhaul
• LUA interface to all typesetting functions
• dynamic memory allocation
• PDF generation via LUA
• LUATEX library?
Project Crew

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Contact

Website: http://www.luatex.org
Bugtracker: http://tracker.luatex.org