

GenLang

new I10n tools, a vision

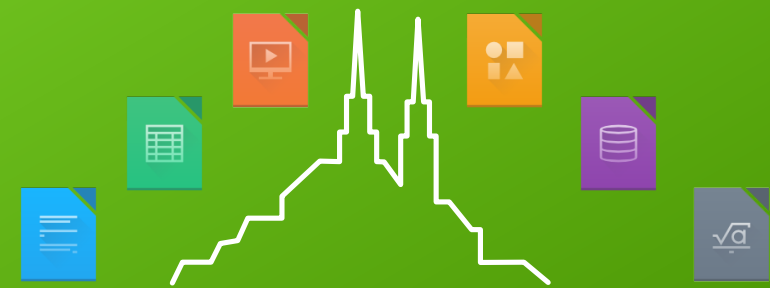
Presented by [Jan Iversen](#)
Disclaimer: Staff member of TDF

Working with Mentoring, helping Infra. In general
spending my workday with LibreOffice.

Mail: jani@documentfoundation.org
IRC: janIV

Very mature tools

In reality not maintainable



cfgex

helpex

propex

uiex

transex3

treex

xrmex

ulfex

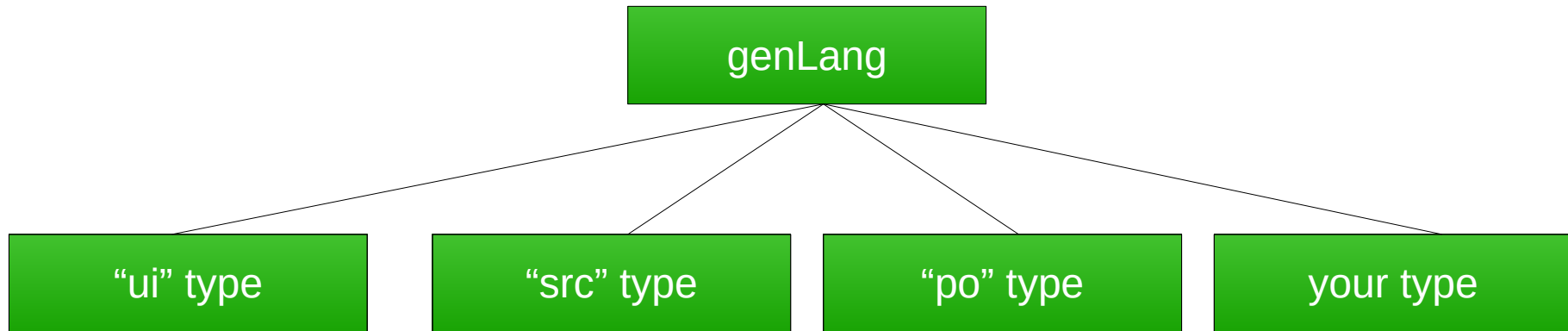
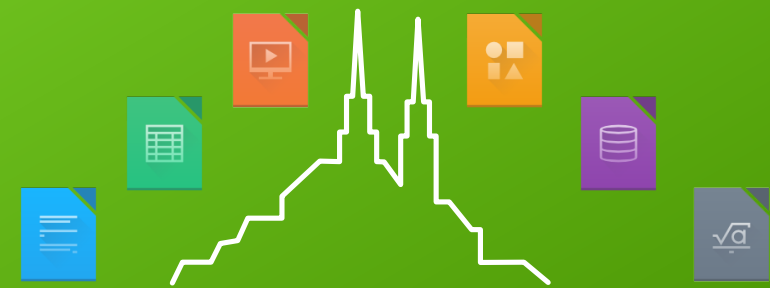
idxdict

Localize

- × Too many executables, with different implementations
- × Not really integrated in build system (big “find”)
 - × Template generation and merge are total, not pr module
- × Each module have 1-30 pot files (average 9)
- × Each module in help have 4-12 pot files (average 8)

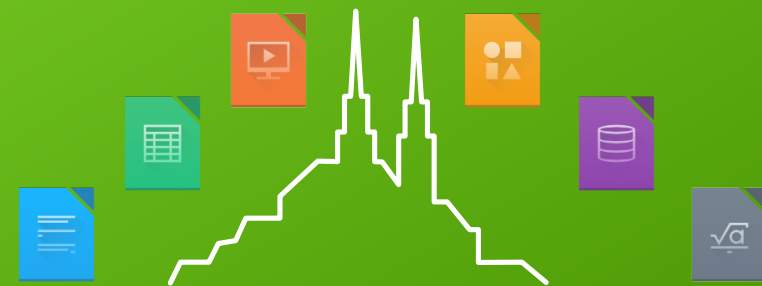
genLang

C++ scalable implementation



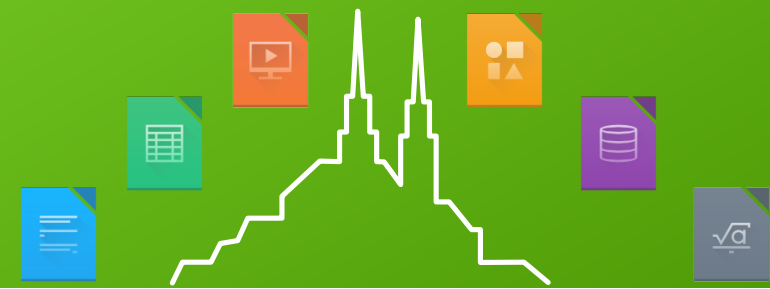
- ✓ Single implementation extension by inheritance
- ✓ Single pot file pr module (help is special)
- ✓ Files to be translated defined in makefiles
- ✓ Translate/merge pr module

Implementation step by step



- Step 1 (now)
 - Generate pot files, 100% identical to current files
 - Proof of concept
 - All work contained in core/l10nlang
 - In order to compile, uncomment in modules.mk

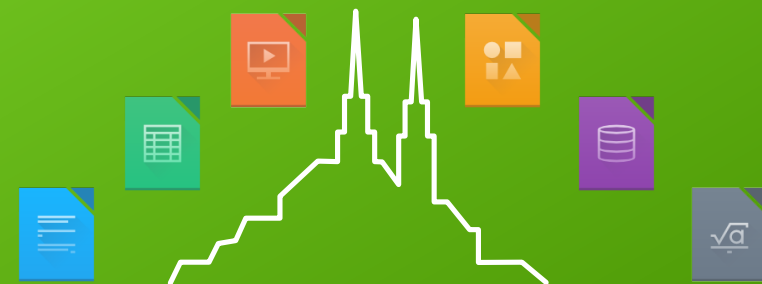
Implementation step by step



- ♦ Step 2 (partly started)
 - ♦ Merge po files to source files, 98% identical to current files
 - ♦ Compiles/generates identical but e.g. formatting different
- ♦ Drop-in replacement of old tools

Implementation

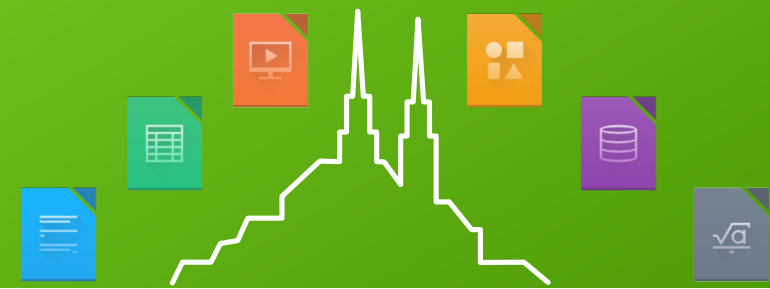
step by step



- ♦ Step 3 (tested)
 - ♦ Integrate into build system
 - ♦ 1 file pr module (1 file pr module in help as well)
- ♦ Extend makefile.mk in each module to include
 - ♦ List of files to translate
 - ♦ Similar to how we list cpp file
- ♦ Script to convert old pot/po files to new (no extra work)

Implementation

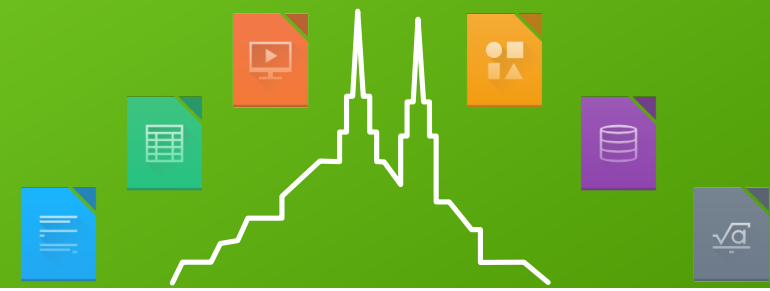
Pootle automatic integration



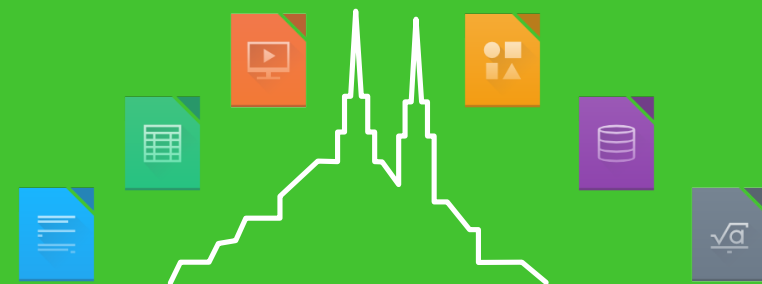
- Script runs every night to extract po files from pootle
- Files are normalized and compared with staging area
- List of changed files (pr pootle project) generated
- Changed files converted to source files depending in type
- Committed in local repo
- Manual squash and push to central repo

Implementation

Pootle automatic integration



- Script runs every night to extract pot files from the source
- New templates are generated but not activated on pootle
- Activation is manual, on demand, pr project



Thank you ... for listening!

- ▾ Please help me make this happen !!



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