

12th-15th October

### Matus' Google Summer of Code ...

Michael Meeks <michael.meeks@suse.com>



LibreOffice Paris 2011 Conference Presentation Template

# Achievements ...

- Easy Hacks:
  - More usable order of filters in Load/Save dialogs
  - Fix names of PPT autoplay filters
- Resource file memory shrinkage in images.zip
  - 4200 instances of 'res/commandimagelist/'  $\rightarrow$  cmd/
  - smaller .zip theme, less memory for the directory
- Component registration
- Gbuild-ization driving towards LTO'd tail\_build ...



# **Cleaner component registration**

previously all DSOs had common entry points:

- component\_getFactory, component\_
- this really busts merging libraries together ... eg. IOS / LTO
- Added a prefix to the new XML descriptions (thanks Stephan)

<component loader="com.sun.star.loader.SharedLibrary" prefix="deployment">

- Added loader capabilities to use prefix & extended lookup:
  - Now: deployment\_component\_getFactory ...
- Misc. map-file fixing to punch new holes
- Lots of component updating to match
- Removing obsolete component\_writeInfo impls etc.

## LibreOffice

# gbuild-isation & Link Time Optimisation (LTO) ...

- Added a new –enable-lto configure option
  - Adds the right options to do Link Time Optimisation
    - Compiler + Linker ...
- Added –enable-megelibs configure option
  - Library\_merged.mk too ..
- Concept is to allow conditional linking of a 'monster' library
  - Linking svx+sfx+... from the bottom to the middle of apps
  - Huge potential for in-lining, code re-ordering
  - Potential for much improved startup time cf. Mozilla.
- Blocked by insufficient gbuild-isation ...
  - Lots of gbuild work: & build cleans, conversion of:
  - I18npool, scripting, binaryurp, package & tons of fixups ...

#### LibreOffice



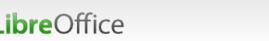
12th-15th October

### Better, smaller, faster, closer to IOS ...

Thank you Matus ! Sorry you couldn't be here.



All text and image content in this document is licensed under the Creative Commons Attribution-Share Alike 3.0 License (unless otherwise specified). "LibreOffice" and "The Document Foundation" are registered trademarks. Their respective logos and icons are subject to international copyright laws. The use of these therefore is subject to the trademark policy.



LibreOffice Paris 2011 Conference Presentation Template