PARIS2011
CONFERENCE
12th-15th October

Matus' Google Summer of Code ...

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LibreOffice

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/' → 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.

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:
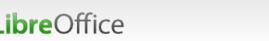 - I18npool, scripting, binaryurp, package & tons of fixups ...

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

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