



LibreOffice
Conference 2021

PPTX footer export & import interoperability

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Collabora
Online

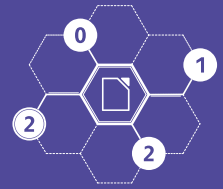
What were the initial problems?

Footers don't get exported to PPTX

- Footers in Impress didn't get any export to PPTX
- Direct data loss

Footers imported as text boxes (not as Impress understands them)

- No data loss
- Possible to enhance and make a round trip possible.



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The fix

Import of Footers from PPTX

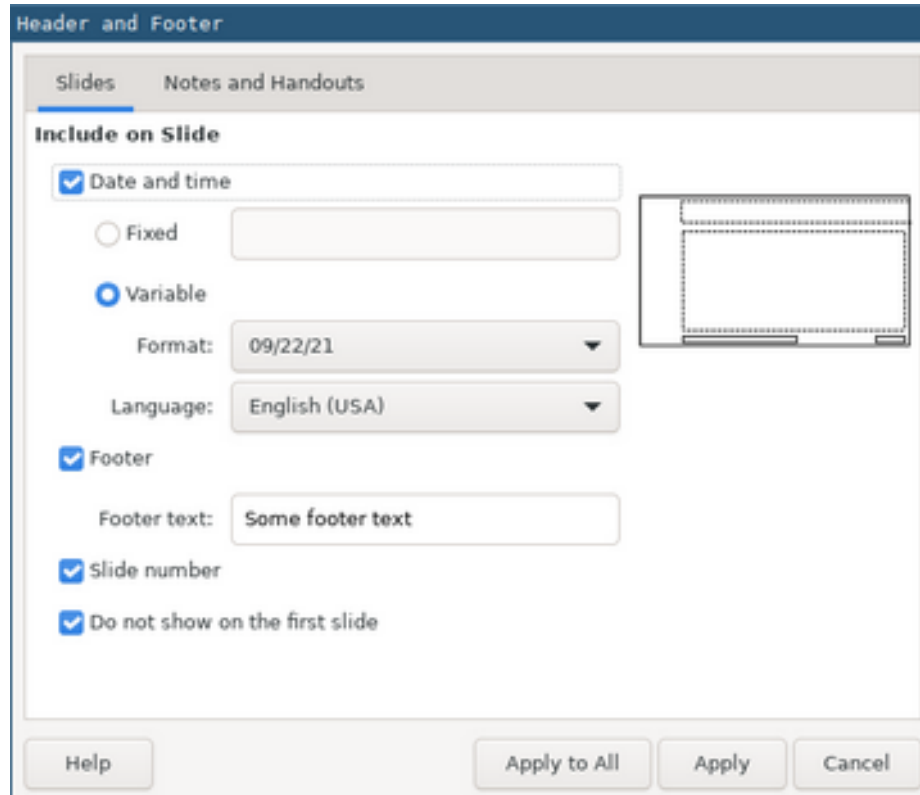
If possible import footers as properties (as Impress understands them)

- Footers should inherit all their style from the master.
- There shouldn't be additional changes on top of the master. eg. different position

If not fall-back to the previous implementation (and import as textboxes)

- If footers have additional styling on top of what they've inherited.

Import of Footers from PPTX

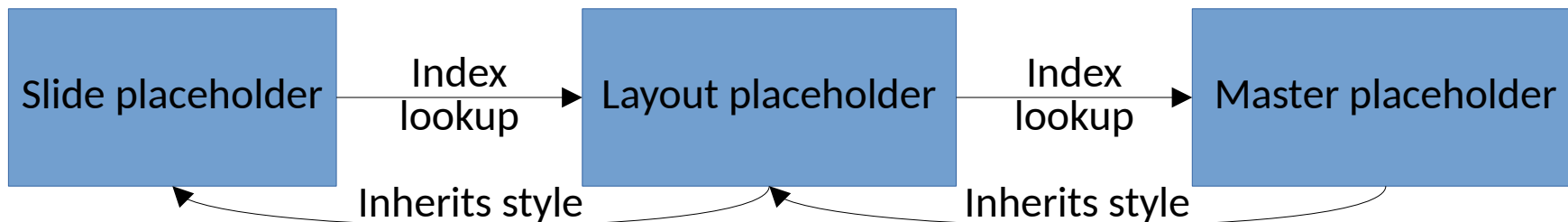


Export of Footers to PPTX

Had to introduce two new concepts

- Placeholder indices
- LstStyles

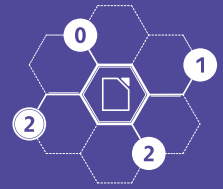
PPTX placeholder index reference chain:



Better the datetime conversion

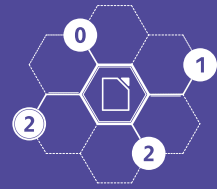
Refactored and enhance the datetime conversion between Impress and PPTX.

- Added some missing mappings
- Corrected some poor fall-backs



What's left?

What could be improved?



What's left?

Right now only for slides, not for notes/handouts

- It should be pretty straight forward to expand the implementation ~ hopefully easy to do.

There's a regression Xisco found out with MSO 2010

- It appears missing `lang` tag on export causes this. It's on my radar I will get back and fix this.

Footer placeholders use the lstStyles but it could be expanded to all of the placeholders, (maybe for better interoperability)



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Thanks !

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