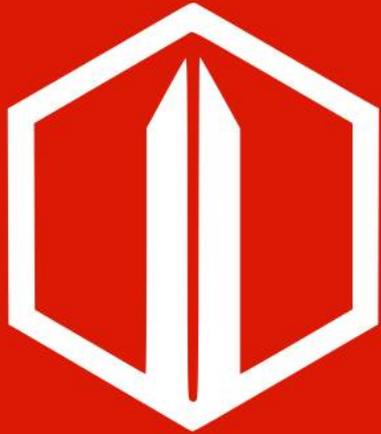




LibreOffice
The Document Foundation



QA: 1 year recap

Xisco Fauli

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ALMERIA | 12 Sept. 2019



Bugzilla Stats

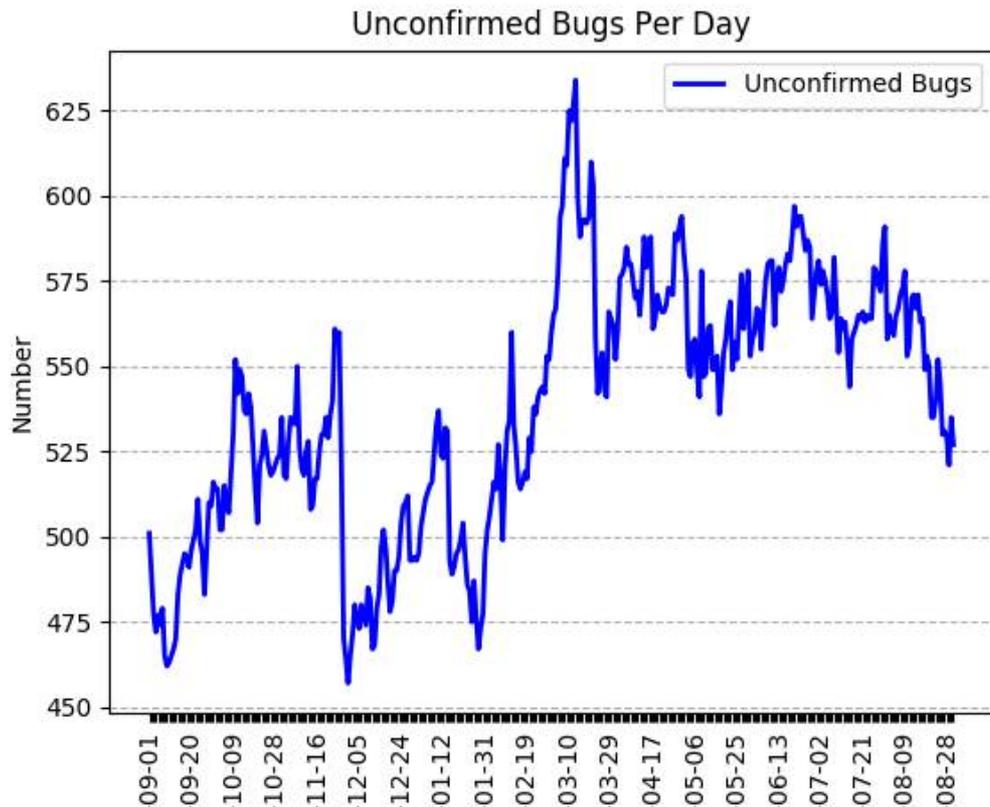


Data

- 2018: from 09/01/2017 to 09/01/2018
- 2019: from 09/01/2018 to 09/01/2019



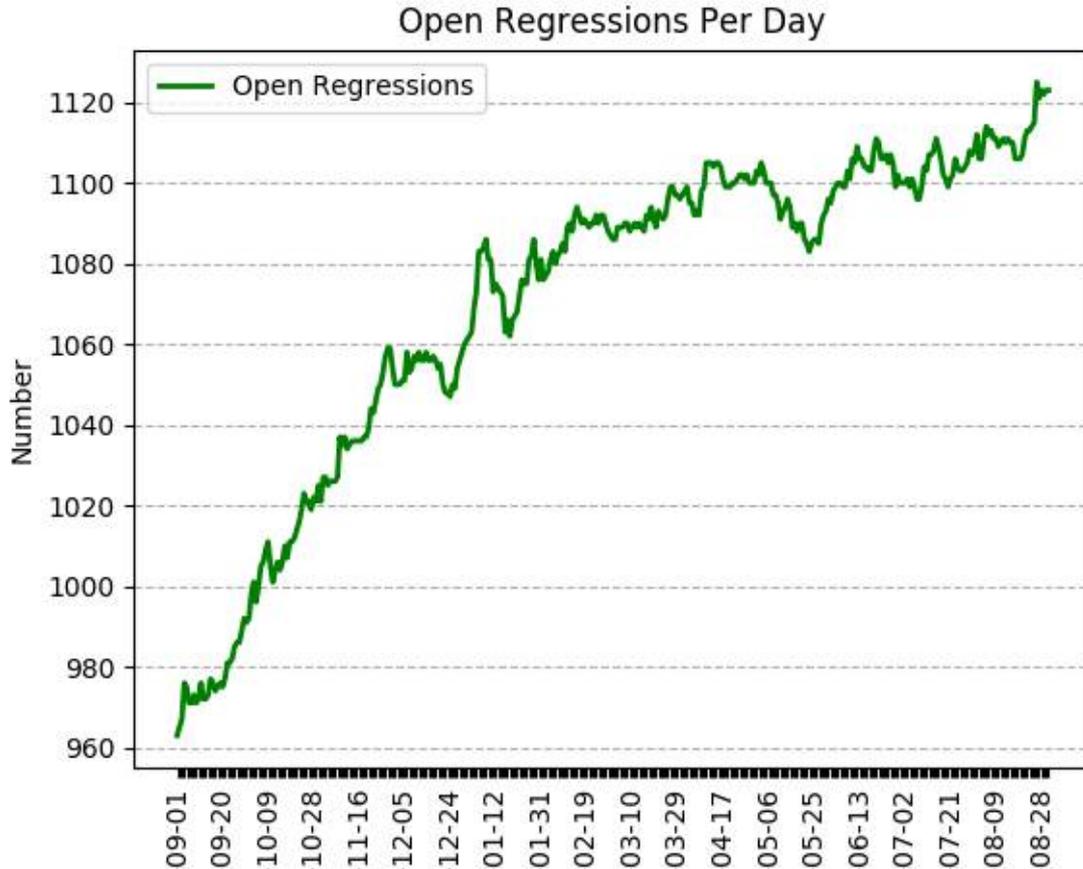
Unconfirmed bugs



- Average
 - 2019: 538
 - 2018: 425
- Created
 - 2019: 7463
 - 2018: 7134
- Triaged
 - 2019: 7520
 - 2018: 7208



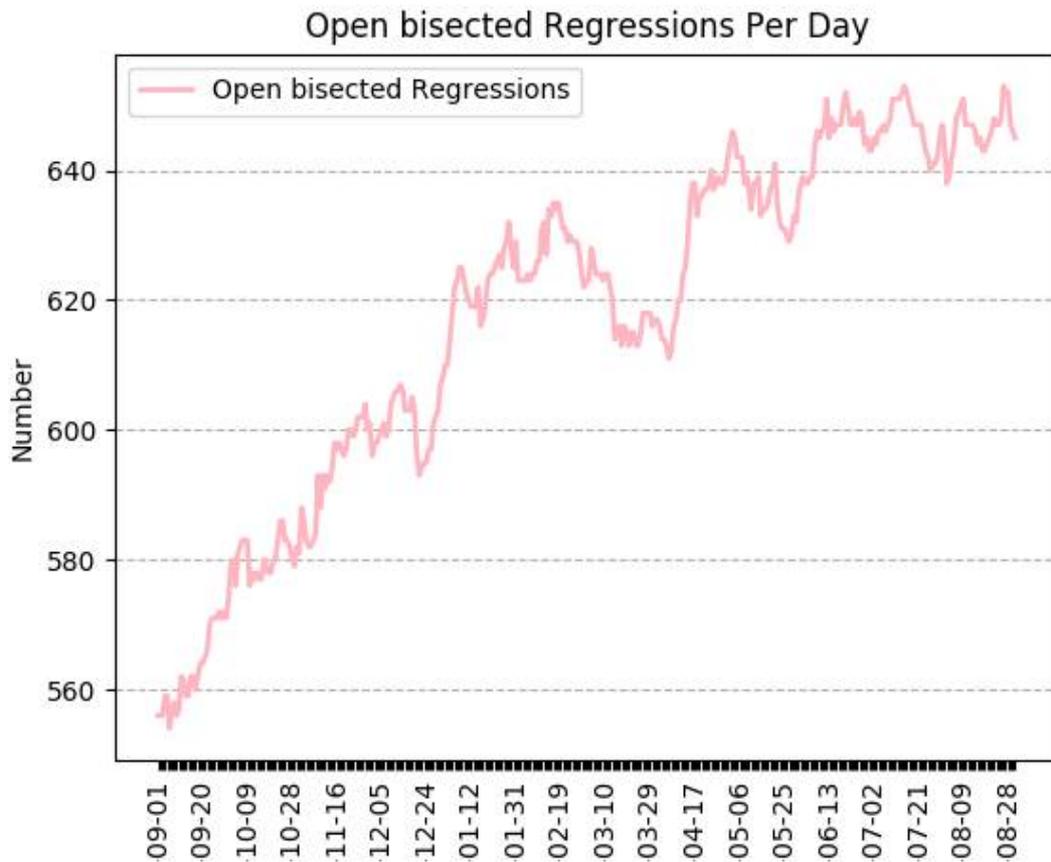
Regressions



- Average
 - 2019: 1070
 - 2018: 883
- Identified
 - 2019: 1200
 - 2018: 1101
- Still Open
 - 2019: 384
 - 2018: 275



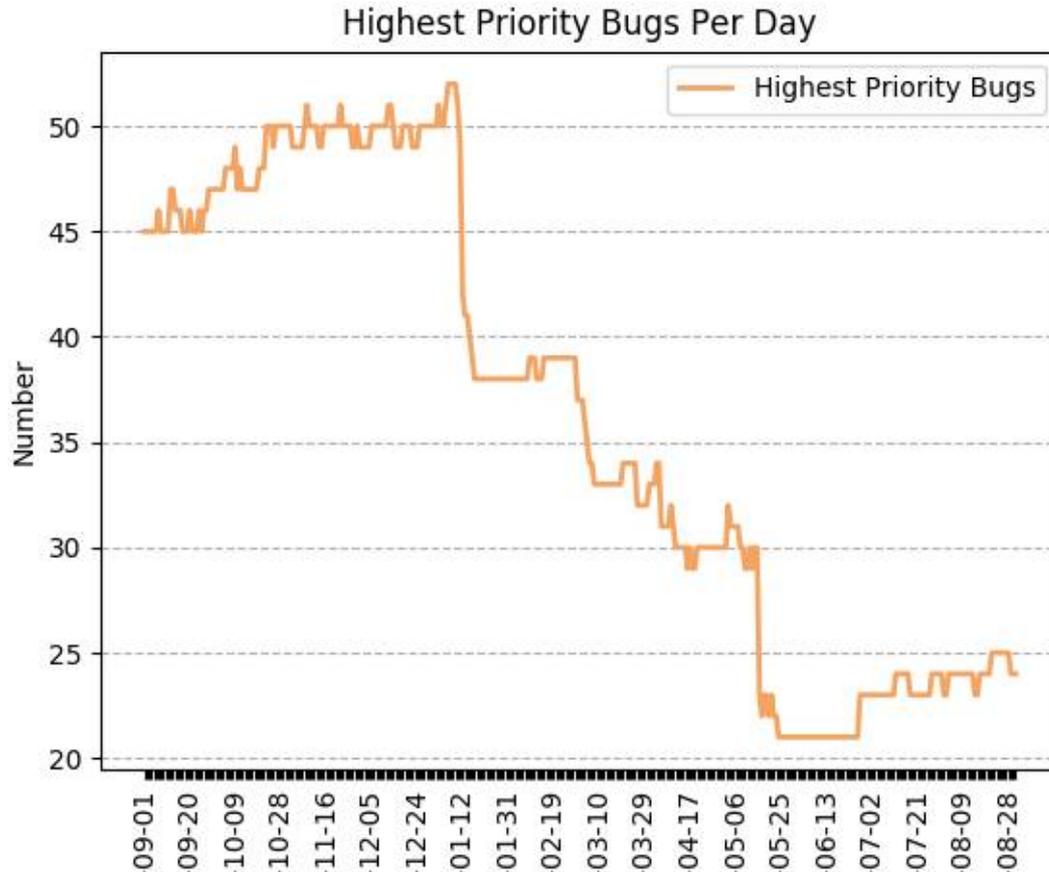
Bisected bugs



- Average
 - 2019: 617
 - 2018: 449
- Identified
 - 2019: 957
 - 2018: 934
- Still Open
 - 2019: 265
 - 2018: 200



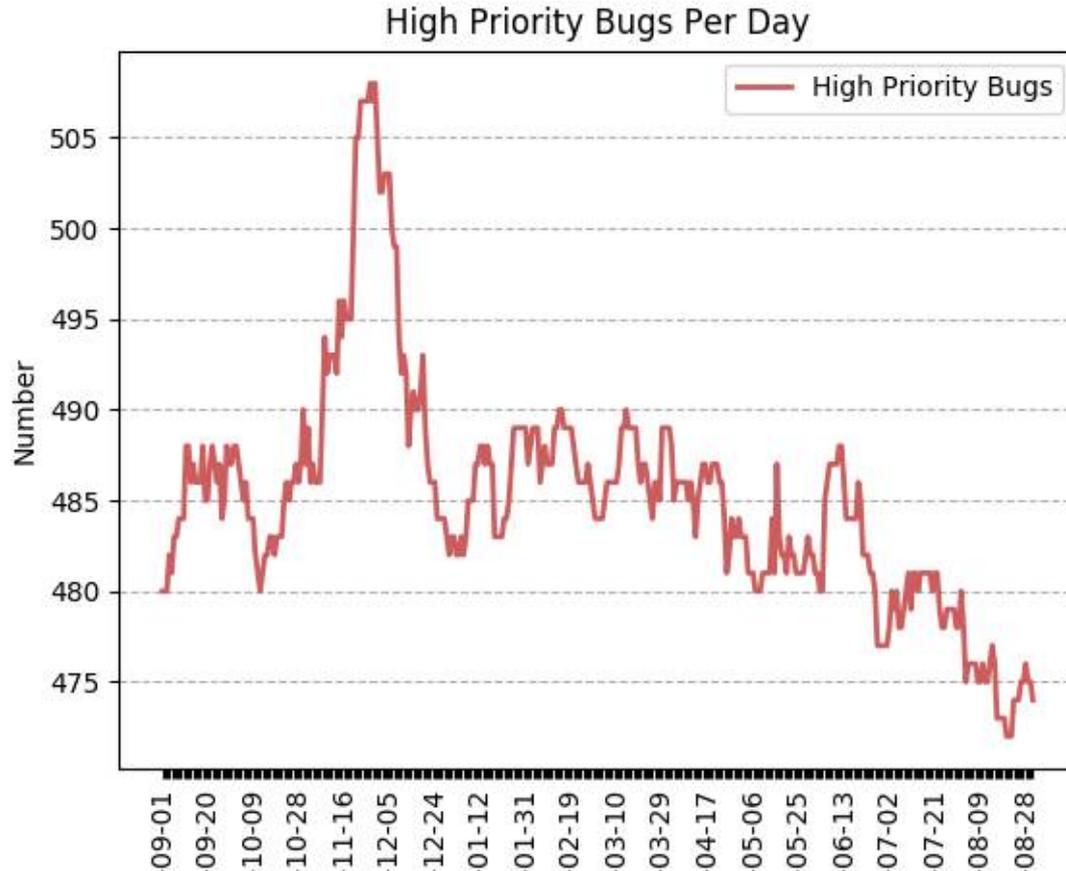
Highest severity bugs



- Average
 - 2019: 36
 - 2018: 53
- Fixed
 - 2019: 54
 - 2018: 110



High Severity bugs



- Average
 - 2019: 485
 - 2018: 493
- Fixed
 - 2019: 148
 - 2018: 112

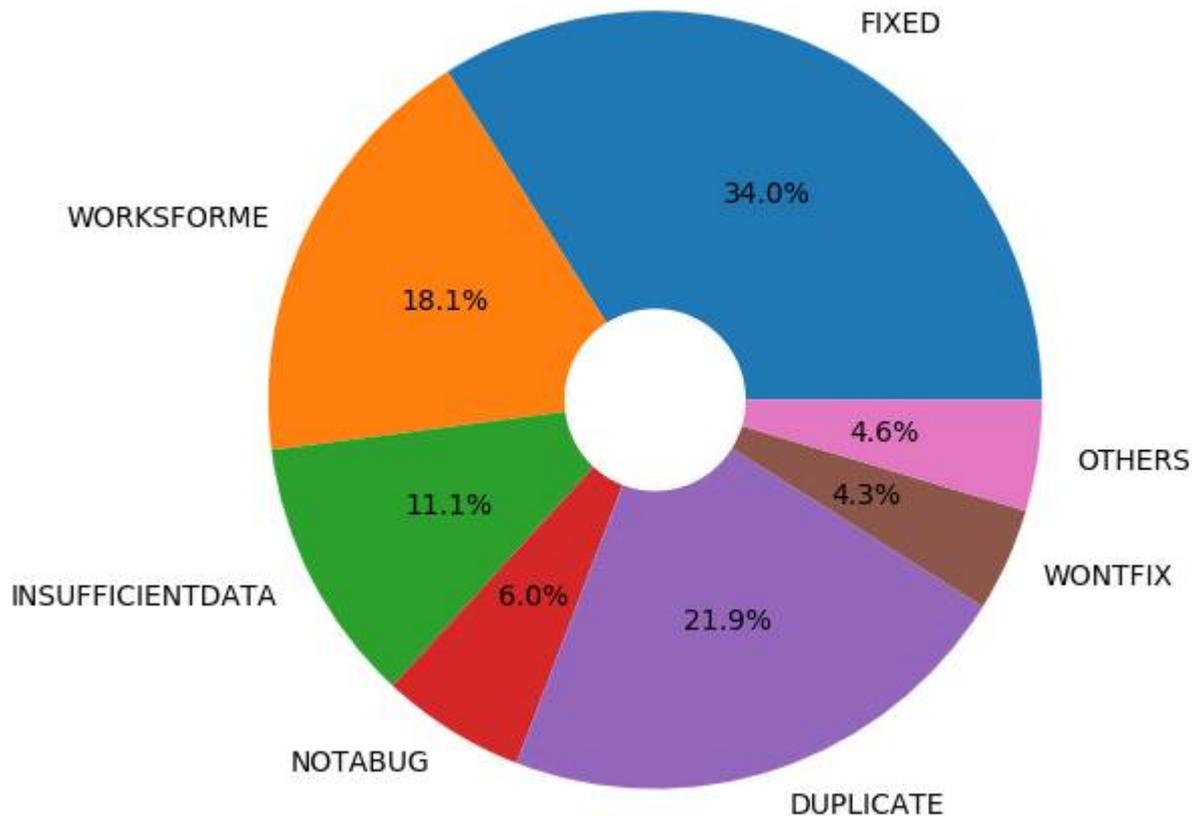


Other fixes

- Crashes fixed
 - 2019: 241
 - 2018: 190
- Performance issues fixed
 - 2019: 46
 - 2018: 27
- Old bugs fixed (> 4 years)
 - 2019: 116
 - 2018: 174



Closed bugs



- 2019: 6852
- 2018: 6777



More detailed information in

<https://qa.blog.documentfoundation.org/>



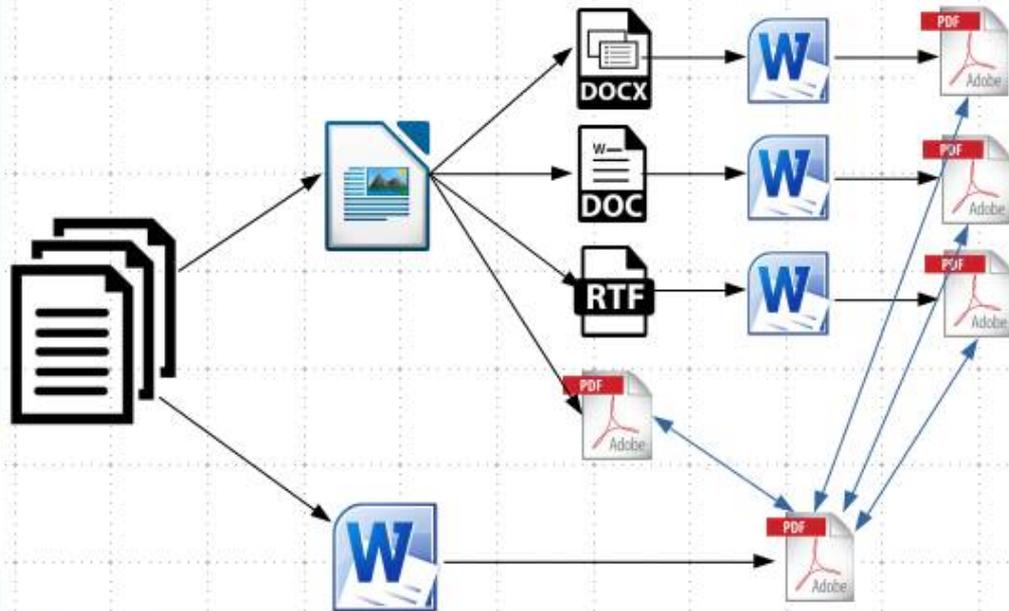
Automation



Interoperability

How does it work ?

- lformat/oformat="doc docx rtf"



FOSDEM¹⁷

- Issues found: 34
- Still open: 10
- Fixed: 20

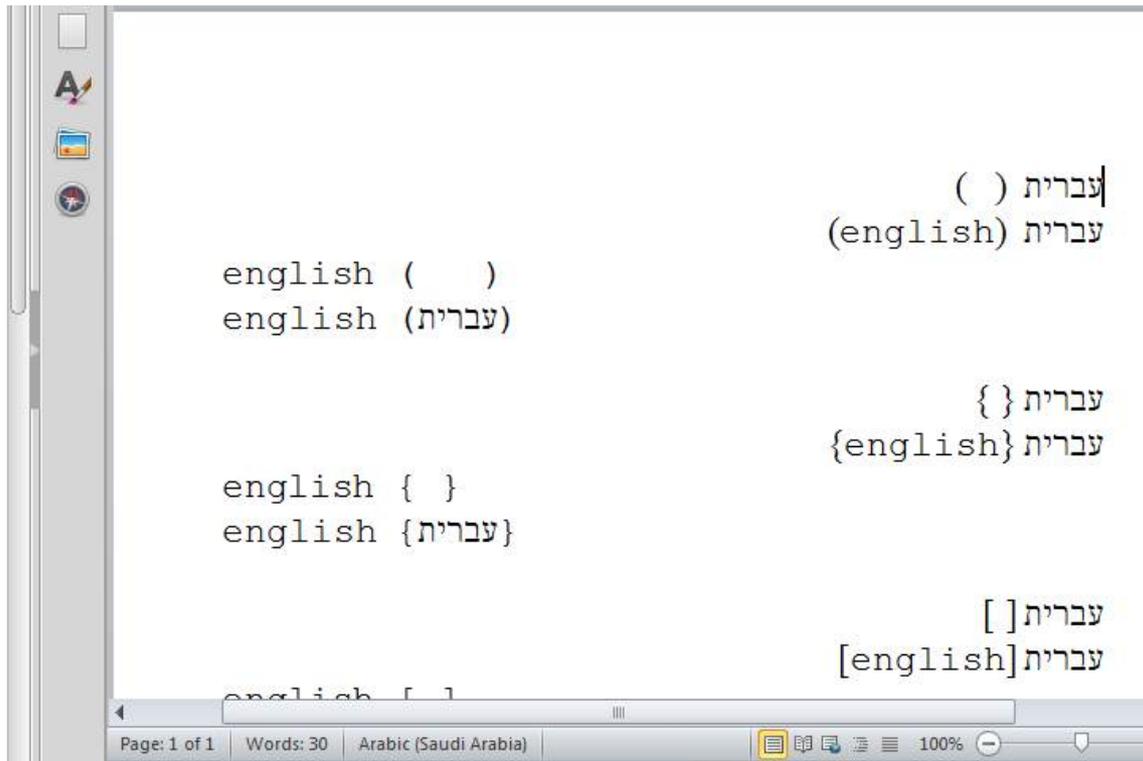


Interoperability

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Interoperability

*Bronze Package \$799	*Silver Package \$999	*Gold Package \$1599	Cover Only \$499
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Email Support	✓	✓	✓	✓
Phone Support			✓	
25 Paperbacks			✓	
Galley Copy	✓	✓	✓	
ePUB Conversion	✓	✓	✓	
Basic Cover	✓			
Premium Cover		✓	✓	✓
Advanced Design	✓			
Ultimate Design		✓	✓	
Use of Author Supplied Images				✓
Formatting for Print Cover				✓
Formatting for eBook Cover				✓
Marketing Widget			✓	
You are your own Publisher!	✓	✓	✓	
Package Value	\$999	\$1299	\$1899	\$649
Bookmasters Price	\$799	\$999	\$1599	\$499

*Template Based Design

Buy Now	Buy Now	Buy Now	Buy Now
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Email Support	✓	✓	✓	✓
Phone Support			✓	
25 Paperbacks			✓	
Galley Copy	✓	✓	✓	
ePUB Conversion	✓	✓	✓	
Basic Cover	✓			
Premium Cover		✓	✓	✓
Advanced Design	✓			
Ultimate Design		✓	✓	
Use of Author Supplied Images				✓
Formatting for Print Cover				✓
Formatting for eBook Cover				✓
Marketing Widget			✓	
You are your own Publisher!	✓	✓	✓	
Package Value	\$999	\$1299	\$1899	\$649
Bookmasters Price	\$799	\$999	\$1599	\$499

*Template Based Design

Buy Now	Buy Now
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UITest

- 170 related commits
- 505 UITests in total
 - 169 in Writer
 - 306 in calc
 - 18 in Impress
 - **None** in Draw



mass-uitesting

- <https://cgit.freedesktop.org/libreoffice/contrib/dev-tools/tree/uitest/mass-testing>

Usage: ./run.py

- dir DIR Path to the files directory
- soffice SOFFICE Path to the LibreOffice directory
- debug Flag to print output
- resume Flag to resume previous runs
- component COMPONENT
 The component to be used. Options: [writer] [calc]
 [impress]



mass-uitesting

- 1) Iterates over the list of files
- 2) Creates random user profile on each iteration
- 3) Pastes registrymodifications.xcu with some parameters
(DisableMacrosExecution = True, IgnoreProtectedArea = True, AutoPilot = False)
- 4) Execute all methods starting with 'test_' in a python file
- 5) Parse the output from UITest framework (or timeouts after 20 seconds)



mass-uitesting

- Mainly tested with Writer and Calc
- Needs to be multithreading
 - Can be used in the crashtesting vm



Mass-uittesting - Writer

- Remove all - undo
- Insert newline - undo
- Insert pageBreak - undo
- Insert/remove header
- Insert/remove footer
- Copy all - Paste - Undo
- Traverse all pages
- Change different text formats - Undo



Mass-uittesting - Writer

```
xEdit = self.load_file()
if xEdit:
    self.xUITest.executeCommand(".uno:SelectAll")
    xEdit.executeAction("TYPE", mkPropertyValues({"KEYCODE":"DELETE"}))

    self.xUITest.executeCommand(".uno:Undo")

self.ui_test.close_doc()
```

Eg: https://bugs.documentfoundation.org/show_bug.cgi?id=124738

Mass-uitesting - Writer

- Tested with 2600 files (ODT, DOCX, DOC, RTF)
- Many crashes found related to fly at-char selections (Inherit from OOo)
→ Fixed thanks to Michael Stahl



Mass-uitesting - Calc

- Insert Column - Undo
- Insert Row - Undo
- Delete Content in sheet - Undo
- Print preview
- Hide Column - Undo
- Hide Row - Undo
- Copy all - paste - Undo
- Copy Sheet - Undo - Delete Sheet
- Change different text formats - Undo



Mass-uitesting - Calc

```
xEdit = self.load_file()
if xEdit:
    nrSheets = self.go_to_first_sheet()

    for i in range(nrSheets)[:maxSheets]:
        self.xUITest.executeCommand(".uno:InsertRowsBefore")
        self.xUITest.executeCommand(".uno:Undo")
        self.xUITest.executeCommand(".uno:JumpToNextTable")

self.ui_test.close_doc()
```

Eg: https://bugs.documentfoundation.org/show_bug.cgi?id=124836



Mass-uitesting - Calc

- Tested with 560 files (ODS, XLS, XLSX)
- Calc: Some crashes found after the dynamic number of columns rework
→ Fixed thanks to Noel Grandin

Thanks



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