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?

- $\text{ifformat/oformat} = \text{"doc docx rtf"}$

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

<table>
<thead>
<tr>
<th>Package</th>
<th>Bronze</th>
<th>Silver</th>
<th>Gold</th>
<th>Cover Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email Support</td>
<td>✔️</td>
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<td>25 Paperbacks</td>
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*Template: Based Design

**Buy Now**

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**Buy Now**
• 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-ui-testing

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 )
Mainly tested with Writer and Calc

Needs to be multithreading

- Can be used in the crashtesting vm
Mass-uitesting - 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
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
• 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
• 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
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
• Tested with 560 files (ODS, XLS, XLSX)

• Calc: Some crashes found after the dynamic number of columns rework
  → Fixed thanks to Noel Grandin
Thanks