



LibreOffice
The Document Foundation



ROME
CONFERENCE

QA: Under the hood

Xisco Fauli - x1sc0

xiscofauli@libreoffice.org

ROME | 11 October 2017

Agenda

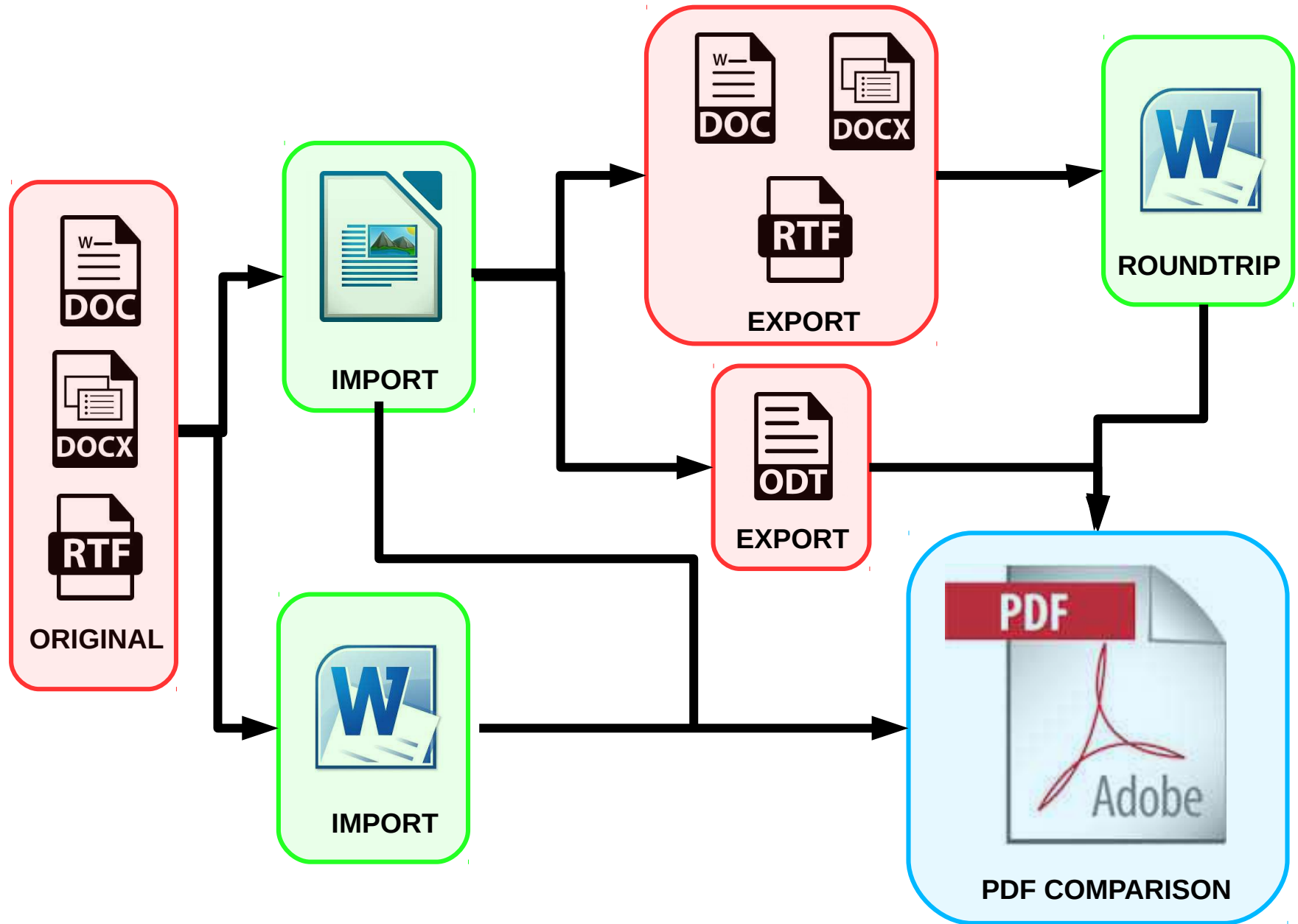
- Automated Testing
- Statistics Page
- Bugzilla Tweaks

Automated testing

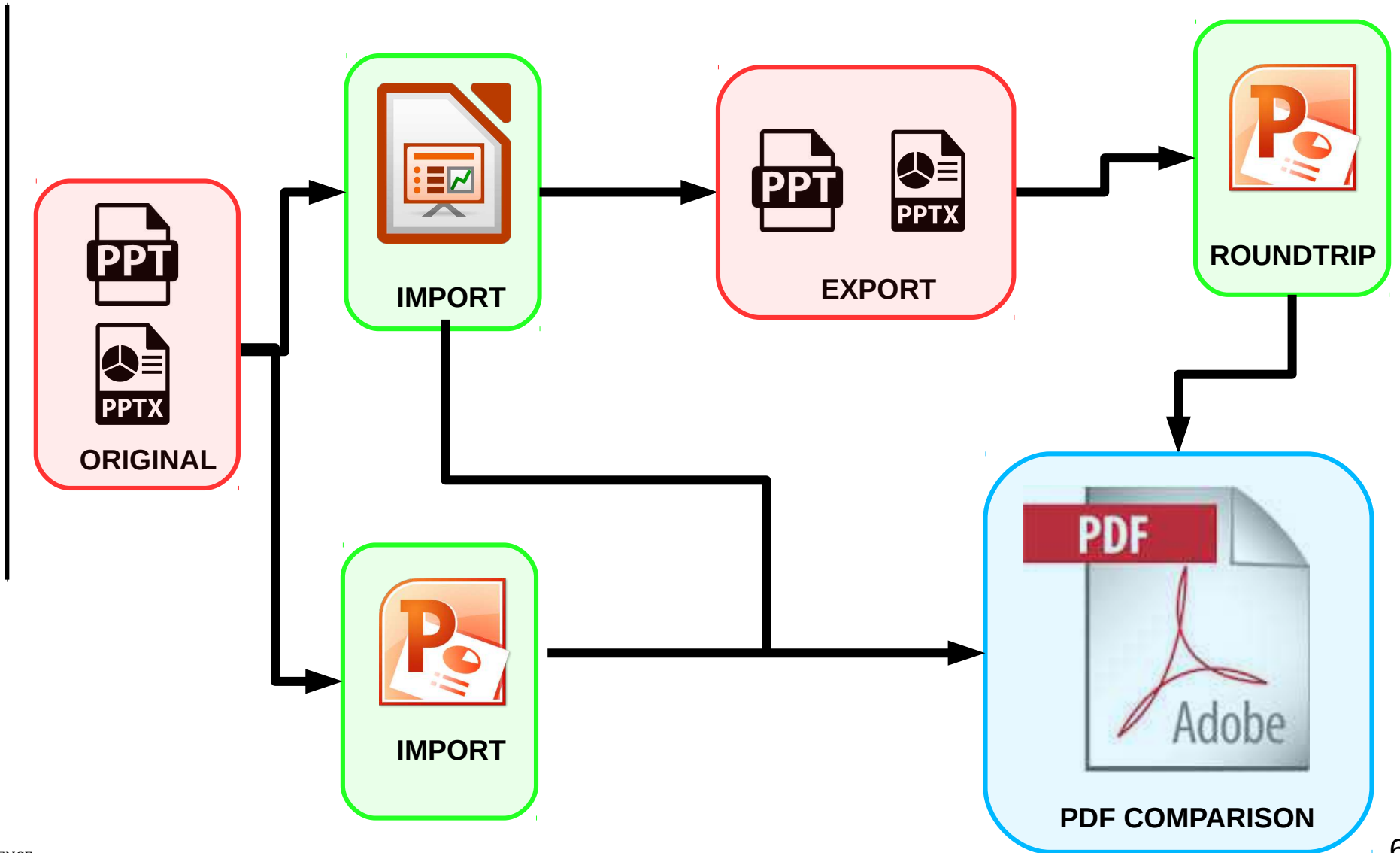
Overview

- **Based on ‘office-interoperability-tools’ created by Milos Ramek**
- **Testing master builds since February 2017**
- **Run once a month on vm174**
- **Finding regressions and progressions (new) in documents**
- **Used for Writer and Impress**
- **Link: <https://github.com/x1sc0/office-interoperability-tools>**

Writer



Impress



Original files

- **757 PPTX files**
- **1642 PPT files**
- **610 RTF files**
- **2525 DOC files**
- **2304 DOCX files**

Example 1

Source: MSWINE//fd48033-2.pdf

PagePixelOffset[px]: 100.0 ; PageDistanceError[mm]: 140.0 ; PageLinePositionError[mm]: 99.22 ; PageTextAlignError[mm]: 149.68 ; LineNumDifference: 12



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MINISTÈRE
DE L'ÉCONOMIE, DES FINANCES
ET DE L'INDUSTRIE

#CS#
SECRETARIAT GÉNÉRAL
DIRECTION DES RESSOURCES HUMAINES
INSTITUT DE LA GESTION PUBLIQUE
ET DU DÉVELOPPEMENT ÉCONOMIQUE

20 ALLÉE GEORGES POMPIDOU

93006 VINCENNES CEDEX

Affaire suivie par #UTILISATEUR_PRENOM#
#UTILISATEUR_NOM#
Téléphone : #UTILISATEUR_TELPHONE#
Mél. : #UTILISATEUR_MAIL#

MINISTÈRE DU BUDGET,
DES COMPTES PUBLICS ET DE LA RÉFORME
DE L'ÉTAT

VINCENNES, LE 10 Février 2017

#DESTINATAIRE_CIVILITE# #DESTINATAIRE_NOM#
#DESTINATAIRE_PRENOM#
#DESTINATAIRE_MINISTERE#
#DESTINATAIRE_STRUCTURE_NIVEAU1#
#DESTINATAIRE_STRUCTURE_NIVEAU2#
#DESTINATAIRE_STRUCTURE_NIVEAU3#
#DESTINATAIRE_STRUCTURE_NIVEAU4#
#DESTINATAIRE_ADRESSE1# #DESTINATAIRE_ADRESSE2#
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#DESTINATAIRE_TELEDOC#
#DESTINATAIRE_CODE_POSTAL# #DESTINATAIRE_VILLE#

Action #ACTION_ID# - #SESSION_LIBELLE#
Du #SESSION_DATE_DEBUT# de #MODULE1_SEANCE_HEURE_DEBUT# à #MODULE1_SEANCE_HEURE_FIN#
au #SESSION_DATE_FIN# de #MODULE2_SEANCE_HEURE_DEBUT# à #MODULE2_SEANCE_HEURE_FIN#

Cette formation est cofinancée par l'Union européenne






Adresse de la formation

#SESSION_ADRESSE1# #SESSION_ADRESSE2#
#SESSION_ADRESSE3# #SESSION_ADRESSE4#
#SESSION_CODE_POSTAL# #SESSION_VILLE#

#INDIVIDU_LIBELLE_CIVILITE#

Target: LOMASTER-fc41ae93c609f7bf146b0ffca4e918901f445301e//Page48033-2.rst.LOMASTER.pdf



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#DESTINATAIRE_VILLE#

MINISTÈRE DU BUDGET,
DES COMPTES PUBLICS ET DE LA
RÉFORME DE L'ÉTAT

VINCENNES, LE 5 Septembre 2017

Action #ACTION_ID#
-
#SESSION_LIBELLE#

Example 2

Suchet der Stadt Bestes



Stadtgebiet

Suchet der Stadt Bestes

Wir laden Sie ein, am Donnerstag, 11. September 2014, um 19:00 Uhr, in der Ev

mission, in der Ev **NEUSTADT** mission, Von **AN DER WEINSTRASSE** 11.



Stadtgebiet alle 2 Monate, Ort rotierend

Example 3

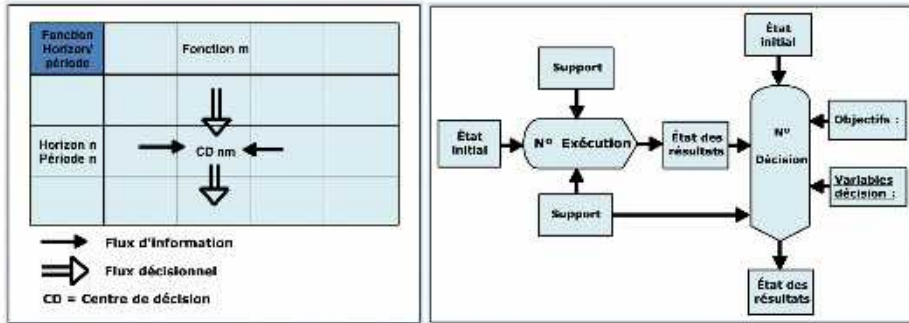


Figure 5: a) La grille GRAI et b) le réseau GRAI (Trilling et al., 2004)

4.4.1.4.

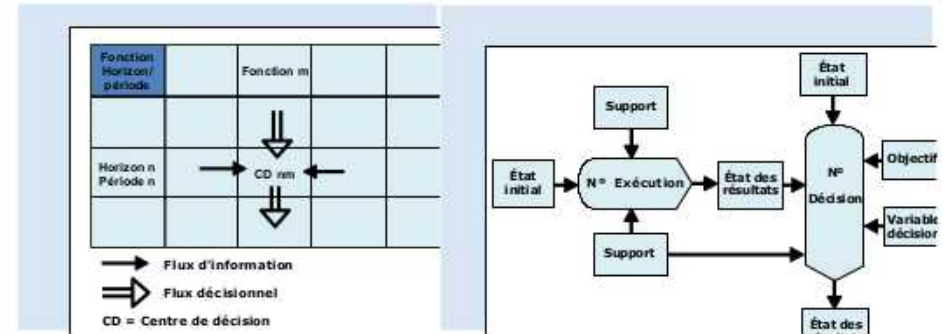


Figure 5: a) La grille GRAI et b) le réseau GRAI (Trilling et al., 2004)

2.2.1.3. Computer Integrated Manufacturing Open System Architecture (CIMOSA)

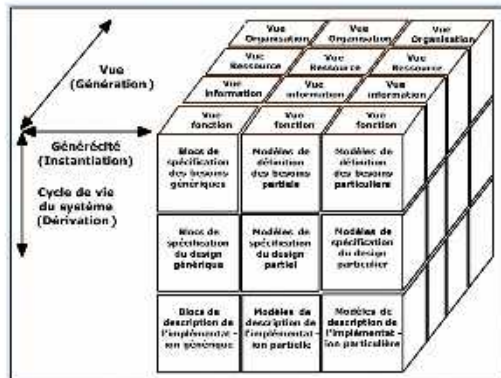


Figure 6: Le cube de CIMOSA (Williams et Li, 1999)

2.2.1.3. Computer Integrated Manufacturing Open System Architecture (CIMOSA)

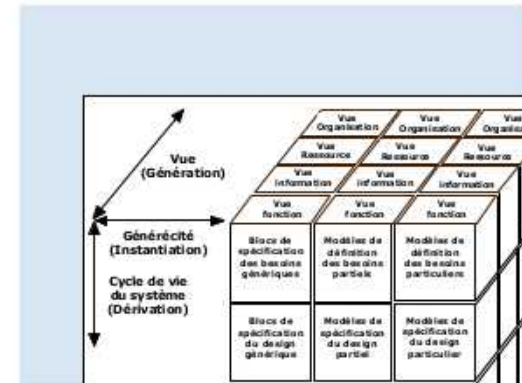


Figure 6: Le cube de CIMOSA (Williams et Li, 1999)

Exemple 4

	<p><u>At vero eos et accusam</u></p> <p><u>At vero eos et accusam</u></p>
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Results

- ~120 regressions found
- 8 progressions found (new)
 - Moved to RESOLVED WORKSFORME

Future ideas

- **Add support for PPT/PPTX → ODP**
- **Test ODF documents**
 - **Compare Import and export files?**

Statistics Page

Overview

- **Tries to acknowledge and give visibility to the effort people put in QA**
- **Tries to collect the data we have about QA in one place**
- **Link: <https://wiki.documentfoundation.org/QA/Bugzilla/Statistics>**

Time

by time [\[edit\]](#)

- Last 30 days
- Last 60 days
- Last 90 days
- Last 180 days
- Last 365 days

2440 people helped to triage 3504 bugs in the last 180 days. (sorted in alphabetical order by user's name)

Name	Created	Comments	Status Changed	Keyword Added	Keyword Removed	Severity Changed	Priority Changed	System Changed	Total Bugs
Telesto	254	738	162	164	30	13	4	39	563
Yousuf Philips (jay)	185	1242	403	76	66	20	0	55	878
krishna [:kr1shna]	109	156	8	0	0	11	0	1	145
Xisco Faulí	92	3193	1722	798	82	107	62	87	2454
Aron Budea	86	528	200	178	60	17	1	13	393
Tamás Zolnai	82	181	97	34	1	0	0	0	118
Gabor Kelemen	75	215	62	5	0	1	1	1	137
Regina Henschel	65	467	152	12	1	18	3	4	360
Thomas Lendo	57	369	68	37	2	4	0	15	304
Heiko Tietze	43	623	236	47	110	14	8	1	439

Version

- 5.3.1
- 5.3.2
- 5.3.3
- 5.3.4
- 5.3.5
- 5.3.6

LibreOffice 5.4 [\[edit\]](#)

- 5.4.0
- 5.4.1
- 5.4.2

Collaborators [\[edit\]](#)

The full list of people who have collaborated in this release is [here](#).

130 people helped to triage 85 bugs tagged with target:5.4.2. (sorted in alphabetical order by user's name)

Name	Created	Comments	Status Changed	Keyword Added	Keyword Removed	Severity Changed	Priority Changed	System Changed	Total Bugs
Dinh Le	8	13	1	0	0	0	0	0	8
Xisco Faulí	7	96	43	50	2	6	8	4	45
Telesto	6	26	6	1	0	3	1	1	16
Yousuf Philips (jay)	3	19	3	4	0	0	0	1	8
Alex Thurgood	2	35	11	0	0	0	0	0	8
Aron Budea	2	23	5	13	5	1	0	1	14
Gabor Kelemen	2	4	3	0	0	0	0	0	3

ESC meetings

- **QA stats from ESC meetings from January 2016 up to today**
- **Good for checking how numbers evolve over time**
 - **Unconfirmed bugs**
 - **Open regressions**
 - **Total number of regressions**
 - **Open 'bibisected' bugs**
 - **Total number of 'bibisected' bugs**
 - **Open 'bisected' bugs**
 - **Total number of 'bisected' bugs**
 - **Reported bugs**

Weekly reports

- **QA reports listed here since October, 2016**
- **Provides detailed information about who does what**
 - Bugs reported
 - N° of reported bugs still unconfirmed
 - Total unconfirmed bugs
 - Statuses changed
 - Keywords added
 - Keywords removed
 - Severity changed
 - Priority changed
 - System changed
 - Bugs added to metabugs
 - Bugs removed from metabugs
 - 'backportRequest' added
 - 'backportRequest' removed

Bugzilla tweaks

Overview

- **'QA-tools.py' script**
- **Takes information from bugzilla_dump.json in vm144**
- **Find inconsistencies in Bugzilla**
- **Automate tasks**
- **Link: <https://cgit.freedesktop.org/libreoffice/contrib/dev-tools/log/esc-reporting/qa-tools.py>**

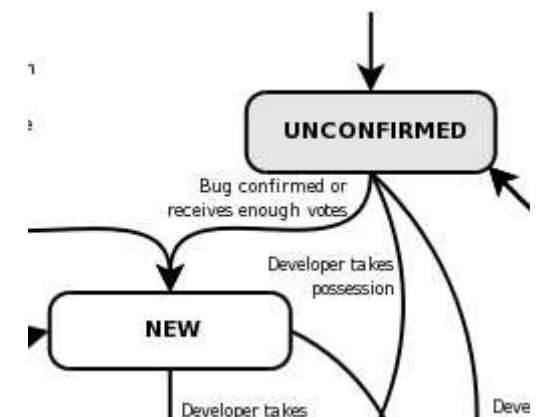
Auto-confirmed

PROBLEM

The reporter has auto-confirmed his/her own bug.

SOLUTION

Move the bug back to UNCONFIRMED



Version

PROBLEM

Someone has changed the version field to a newer one.

SOLUTION

Move the bug back to the previous version

Product: LibreOffice

Component: LibreOffice ([show other bugs](#))

Version: 4.2.8.2 release
(earliest affected)

Hardware: All All

Crash signature

PROBLEM

In order to link Bugzilla with <http://crashreport.libreoffice.org>, the crashreport field should have the syntax ["-signature-"], otherwise it doesn't work.

SOLUTION

Change it accordingly.

[108124](#) Remove
([add](#))

Crash report or crash signature:

```
["SwNoTextFrame::HasAnimation()"]
```


RESOLVED FIXED

PROBLEM

The reporter has moved the bug to RESOLVED FIXED.

SOLUTION

The bug should be moved to RESOLVED WORKSFORME unless there's a commit fixing it.

FIXED

This bug has been fixed by a particular commit. There should be one or more *target:<LO version X.y.z>* tags in the Whiteboard, each of which indicates a version/branch of LibreOffice in which this commit will be included.

Examples:

- 'Blue 1' is set to the same color as 'Sky Blue 1' - [tdf#86511](#)
- Whiteboard: *target:4.5.0 target:4.4.0.0.beta2*

If you do not know *which* commit fixed a bug -- use **RESOLVED WORKSFORME** instead.

ASSIGNED

PROBLEM

Someone has taken the bug by changing the Assignee field but the status is not ASSIGNED.

SOLUTION

Change the status to ASSIGNED

When is the status set to ASSIGNED?

Developers use the ASSIGNED status to signal that they are working on a bug or enhancement request.

ASSIGNED

PROBLEM

Assignee field has been changed to default but the status is still ASSIGNED.

SOLUTION

Change the status back to NEW

When is the status set to ASSIGNED?

Developers use the ASSIGNED status to signal that they are working on a bug or enhancement request.

Assignee

PROBLEM

Status has changed to ASSIGNED but the assignee field hasn't changed

SOLUTION

Change the Assignee field to the person who changed the status

Assignee

The person in charge of resolving the bug.

Assignee

PROBLEM

Status has changed back to NEW but the assignee field hasn't changed

SOLUTION

Change the Assignee field to default

Assignee

The person in charge of resolving the bug.

Bug fixed ?

PROBLEM

Bug's last comment is more than 30 days old && it's from the '*Commit Notification*'

SOLUTION

Ask the developer to close the bug if it's fixed

[Xisco Faulí](#) 2017-10-07 08:11:03 UTC [Comment 11](#) [\[tag\]](#) [\[reply\]](#) [\[-\]](#)

A polite ping to Dimitri Bouron: is this bug fixed? if so, could you please close it as RESOLVED FIXED ? Thanks

[Dimitri Bouron](#) 2017-10-09 08:27:27 UTC [Comment 12](#) [\[tag\]](#) [\[reply\]](#) [\[-\]](#)

Yes, it is.

Inactive assignment

PROBLEM

The bug has been in ASSIGNED status for more than 3 months without any activity.

SOLUTION

Change the status back to NEW and the assignee to default

[Xisco Fauli](#) 2017-09-11 08:25:17 UTC [Comment 5](#) [\[tag\]](#) [\[reply\]](#) [\[-\]](#)

Dear developer,
This bug has been in ASSIGNED status for more than 3 months without any activity. Resetting it to NEW.
Please assigned it back to yourself if you're still working on this.

Inactive assignment

PROBLEM

The bug has been in ASSIGNED status for more than 3 months without any activity.

SOLUTION

Change the status back to NEW and the assignee to default

[Xisco Fauli](#) 2017-09-11 08:25:17 UTC [Comment 5](#) [\[tag\]](#) [\[reply\]](#) [\[-\]](#)

Dear developer,
This bug has been in ASSIGNED status for more than 3 months without any activity. Resetting it to NEW.
Please assigned it back to yourself if you're still working on this.

New Contributors

PROBLEM

A new contributor has signed up in Bugzilla within the last month and he/she has interacted in more than 2 bugs.

SOLUTION

Send a welcoming email

```
Hello,
```

```
On behalf of the QA Team, I would like to give you a warm welcome to the LibreOffice project and express my sincere gratitude for the work you have been doing recently.
```

```
You can find more information about the QA Team in our wiki page[1], and if you need any help doing QA, don't hesitate to contact the team via IRC [2], Telegram [3] or via the mailing list [4].
```

```
Keep up the good work.
```

```
Regards
```

```
[1]. https://wiki.documentfoundation.org/QA  
[2]. https://wiki.documentfoundation.org/QA/IRC  
[3]. https://t.me/LibreOffice\_QA  
[4]. https://wiki.documentfoundation.org/QA/Mailing\_List
```

```
--
```

```
Xisco Fauli  
Libreoffice QA Team  
IRC: xlsc0
```

Patch Added

PROBLEM

A patch has been attached to Bugzilla along with the keyword 'patch'.

SOLUTION

Ask the user to submit the patch to Gerrit instead.

[Xisco Fauli](#) 2017-10-04 16:36:34 UTC [Comment 2](#) [\[tag\]](#) [\[reply\]](#) [\[-\]](#)

Dear Cheng-Chia Tseng,
Thanks for the patch.
Could you please submit it to gerrit as described here:
<https://wiki.documentfoundation.org/Development/gerrit/SubmitPatch?>

[Cheng-Chia Tseng](#) 2017-10-04 16:54:40 UTC [Comment 3](#) [\[tag\]](#) [\[reply\]](#) [\[-\]](#)

Thanks for the information, I will try to follow the guide.

Obsolete comments

PROBLEM

old bulk comments (which are normally long) are unpleasant.

SOLUTION

More than 10900 comments marked as obsolete so far.

Comment hidden (obsolete) [Comment 8](#) [+]

Comment hidden (obsolete) [Comment 9](#) [+]

Comment hidden (obsolete) [Comment 10](#) [+]

[QA Administrators](#) 2017-05-22 13:22:29 UTC [Comment 11](#) [tag] [reply] [-]

**** Please read this message in its entirety before responding ****

To make sure we're focusing on the bugs that affect our users today, LibreOffice QA is asking bug reporters and confirmers to retest open, confirmed bugs which have not been touched for over a year.

Future Ideas

- **Make the bulk ‘untouched for a year’ comment totally automated**
 - **Run it everyday instead of every month**
 - **Hope more people will retest!**
- **Find contributors getting inactive after X time**
- **Ideas welcomed!**

Thank you!



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