



Conferência Latino-Americana de

LibreOffice

BRASILIA 2022

25 e 26 de **agosto**

Testando o LibreOffice

Xisco Fauli

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25/08/2022

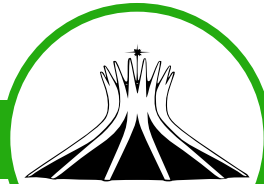
About me

Contributor to the LibreOffice project since 2011

Google Summer of Code (GSOC) student in 2011

Member of The Document Foundation

QA Engineer at The Document Foundation since 2016



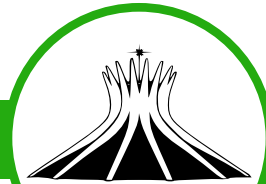
Google Summer of Code (2022)

198 FOSS projects (LibreOffice included)

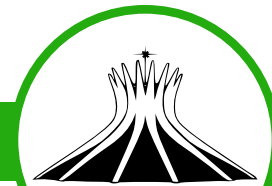
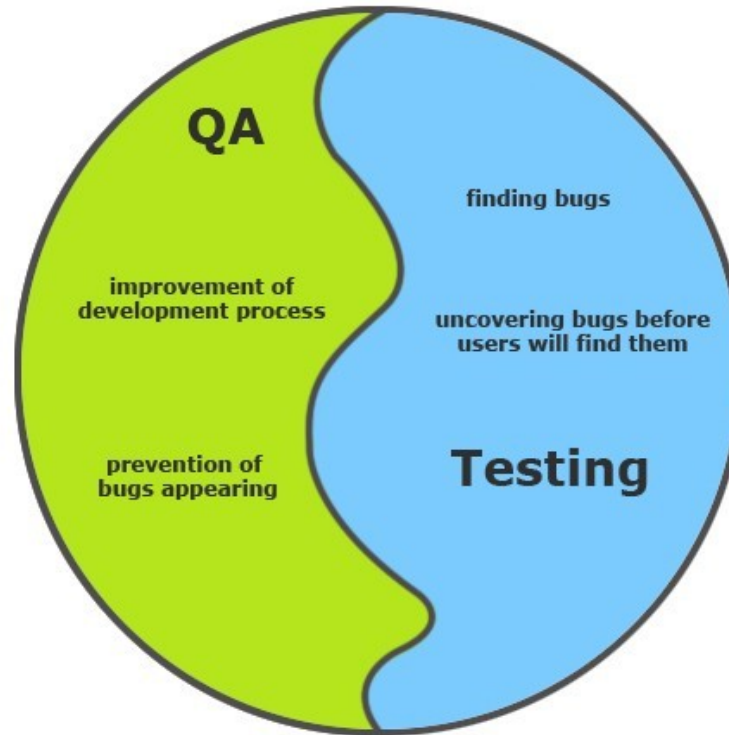
1141 students

Stipend : \$1800 to \$3600 in Brazil

Good for you CV



Quality Assurance

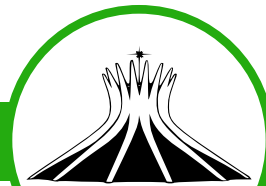


Releases

Master (LibreOffice 7.5)

Fresh (LibreOffice 7.4)

Still (LibreOffice 7.3)

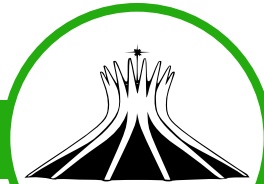
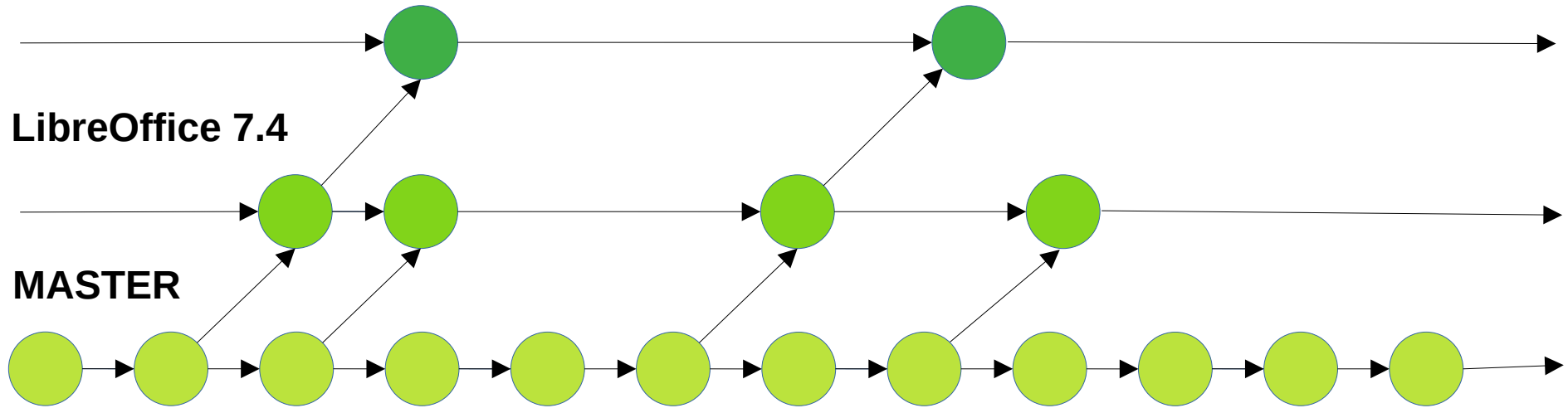


Development

LibreOffice 7.3

LibreOffice 7.4

MASTER

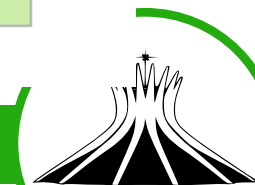


pre-releases

7.4.0 release

include features from master

event	date
Alpha1	Week 19 , May 9, 2022 - May 15, 2022
Hard feature freeze & branch libreoffice-7-4	Week 23 , Jun 6, 2022 - Jun 12, 2022
Beta1	Week 23 , Jun 6, 2022 - Jun 12, 2022
Beta2 (optional)	Week 25 , Jun 20, 2022 - Jun 26, 2022
Hard English string & UI freeze	Week 27 , Jul 4, 2022 - Jul 10, 2022
RC1	Week 27 , Jul 4, 2022 - Jul 10, 2022
Hard code freeze & branch libreoffice-7-4-0	Week 30 , Jul 25, 2022 - Jul 31, 2022
RC2	Week 30 , Jul 25, 2022 - Jul 31, 2022
RC3	Week 32 , Aug 8, 2022 - Aug 14, 2022
Release 7.4.0	Week 33 , Aug 15, 2022 - Aug 21, 2022

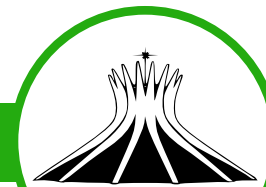


Minor releases

7.4 release

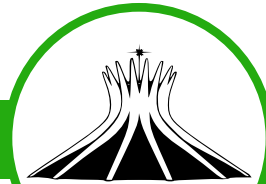
Basic dates for the initial and bugfix releases

Release	Freeze	Publishing
7.4.0 (freeze: week 30)	Week 19 , May 9, 2022 - May 15, 2022	Week 33 , Aug 15, 2022 - Aug 21, 2022
7.4.1	Week 34 , Aug 22, 2022 - Aug 28, 2022	Week 37 , Sep 12, 2022 - Sep 18, 2022
7.4.2	Week 38 , Sep 19, 2022 - Sep 25, 2022	Week 41 , Oct 10, 2022 - Oct 16, 2022
7.4.3	Week 44 , Oct 31, 2022 - Nov 6, 2022	Week 47 , Nov 21, 2022 - Nov 27, 2022
7.4.4	Week 50 , Dec 12, 2022 - Dec 18, 2022	Week 53 , Jan 2, 2023 - Jan 8, 2023
7.4.5	Week 07 , Feb 13, 2023 - Feb 19, 2023	Week 10 , Mar 6, 2023 - Mar 12, 2023
7.4.6	Week 16 , Apr 17, 2023 - Apr 23, 2023	Week 19 , May 8, 2023 - May 14, 2023
End of Life	June 12, 2023	



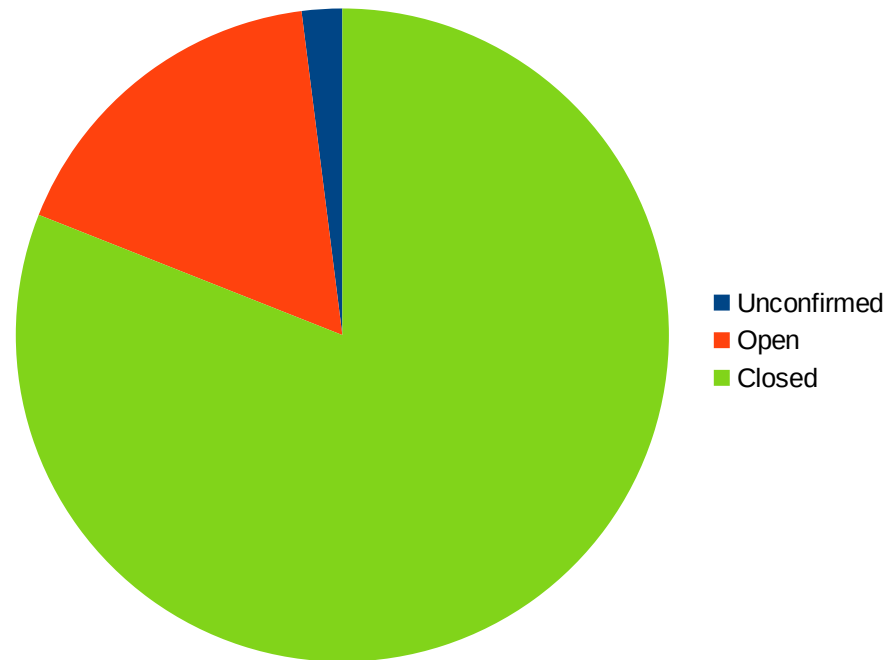
Development

- 9.6 million lines of code (One of the largest open source code bases)
- 13.000 commits in one year
- 209 authors in one year
- 10 million lines added in one year
- 7.8 million lines removed in one year

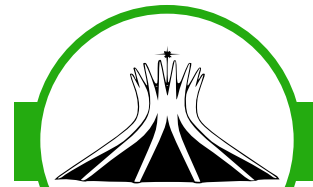
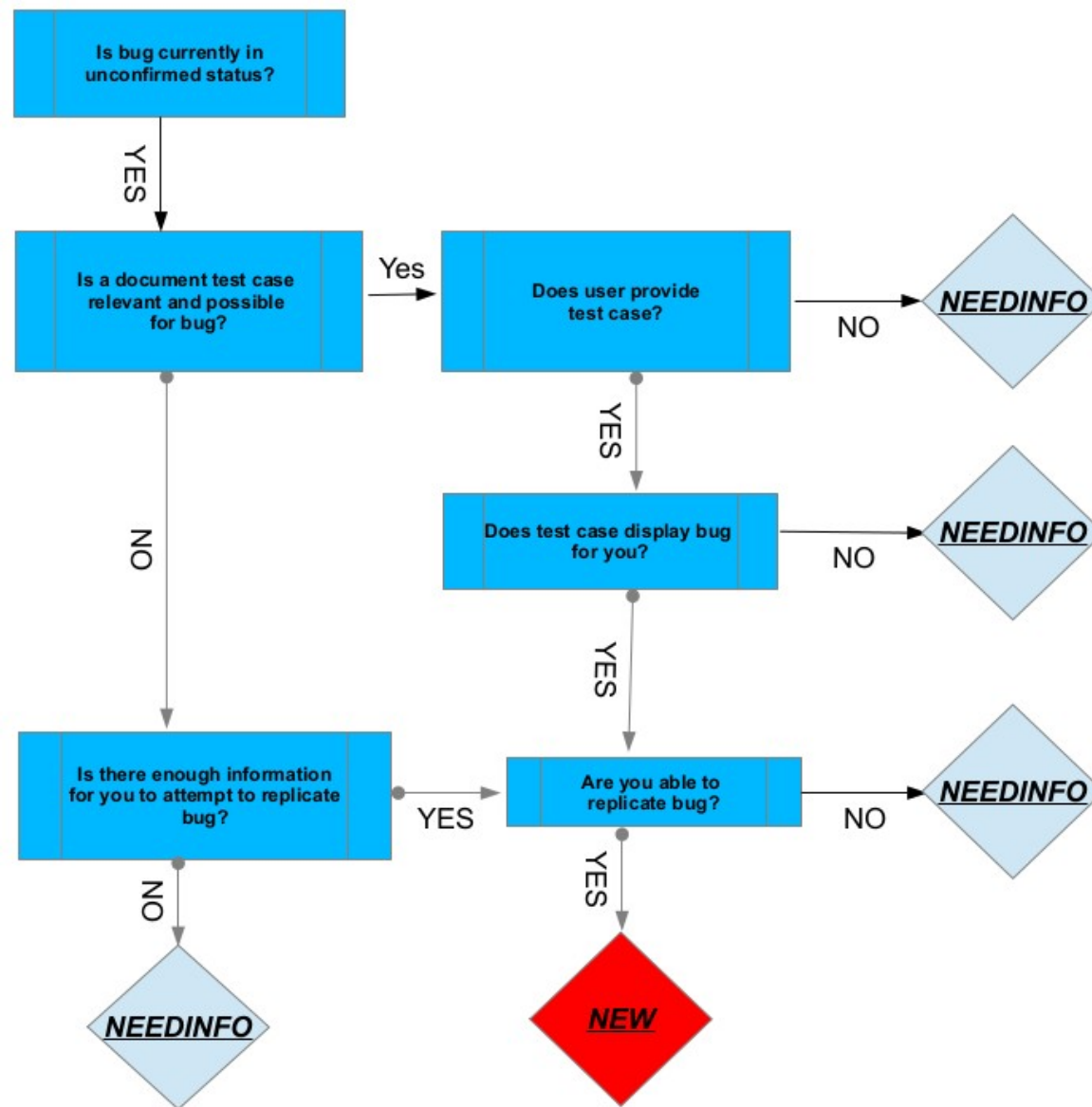


Bugzilla

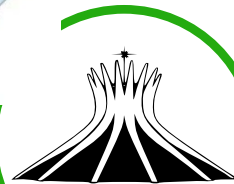
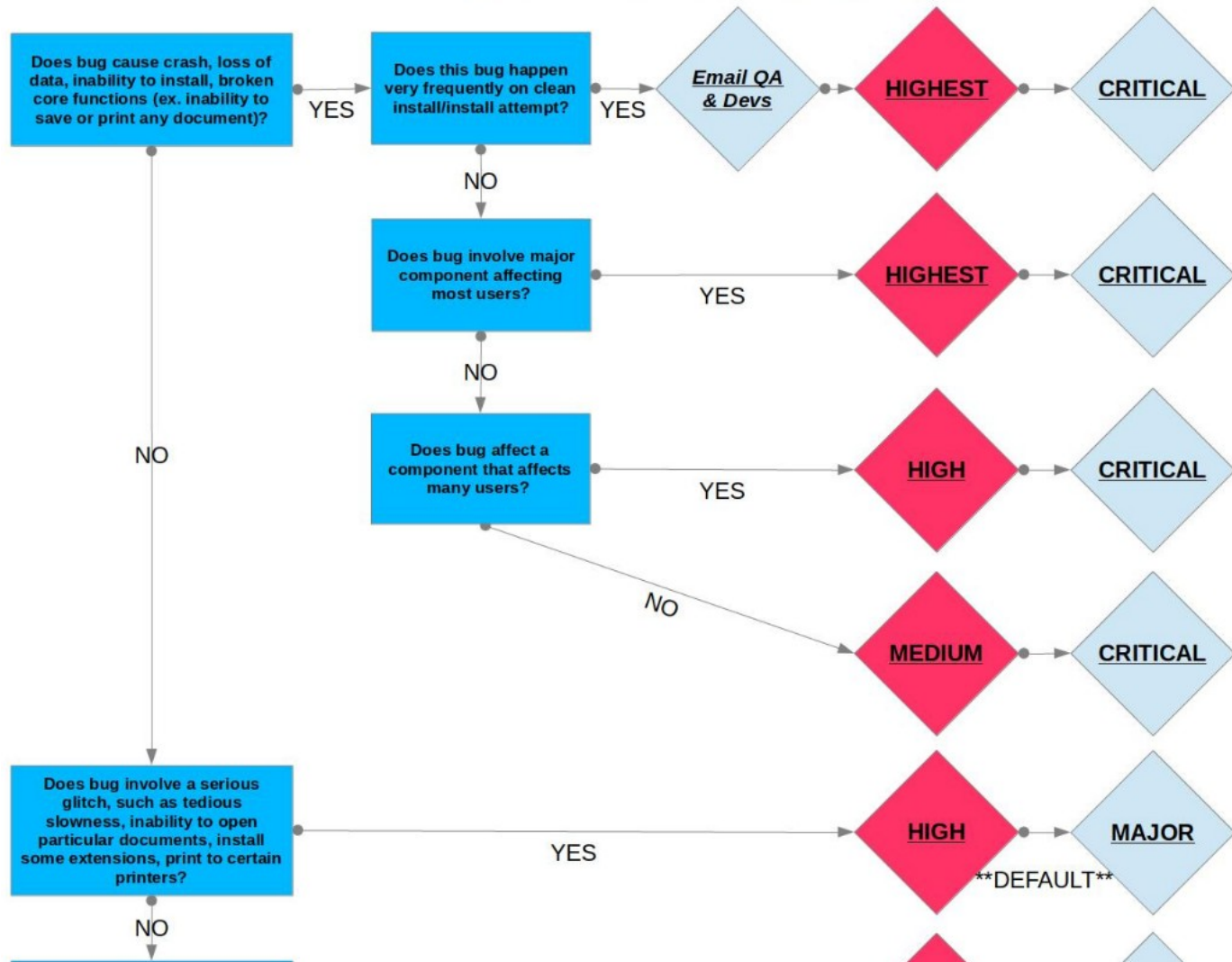
- 92.000 bugs in total
 - 2% Unconfirmed
 - 17% Open
 - 81% Closed
- 6200 bug reports in one year
- 2750 reporters in one year



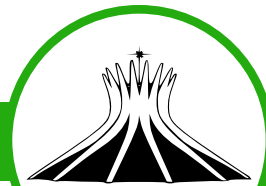
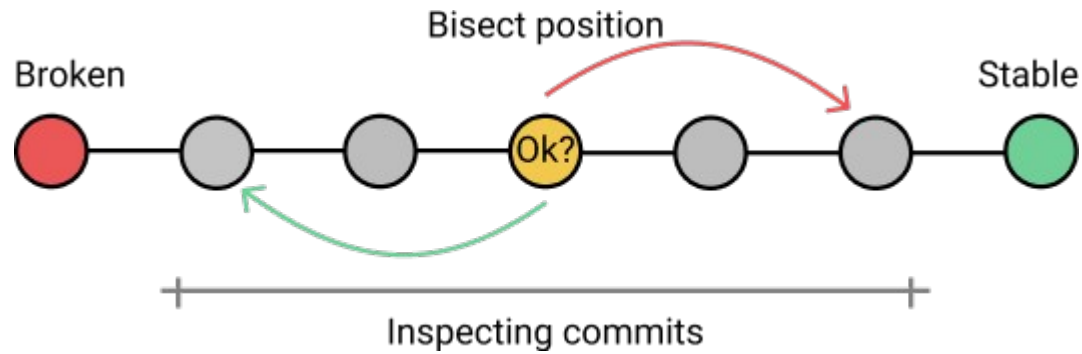
Triage



Priority



Regression



Manual Testing

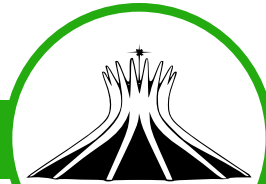
More information tomorrow 26th August, 9:30 at 'Sala Calc' during the Sessão de Bug Hunting

Horário	Auditório Writer Bloco M	Sala Calc Laboratório M-107	Sala Impress Laboratório M-108
09:30 às 10:20	LibreOffice e Bitcoin: como se defender da Volatilidade do mercado e Gustavo Buzzatti Pacheco	Sessão de Bug Hunting Xisco Fauli (TDF)	Controle de versionamento - Introdução ao Git Felipe Marra (UCB) Giovanni Favorin (UCB) Rafael Osiro (UCB)
10:20 às 11:10	Documentação de Produtos de Olivier Hallot (TDF)		
11:10 às 12:00	E daí se só eu sei? Os desafios de uma Documentação mais acessível a mais usuários Tulio Macedo (TDF)		
12:00 às 13:00	Horário de Almoço		
13:00 às 13:50	Soberania Digital Ítalo Vignoli (TDF)	Criação de Extensões para o LibreOffice Mauricio Baeza Servin (Empresa Libre)	Programação em C++ com análise de trechos do código do LibreOffice Prof. Sebastião Cleto Spotto (UCB)
13:50 às 14:40	Estratégias de migração entre suites office Olivier Hallot (TDF)		
14:40 às 15:30	Projeto LibreOffice - Voluntariado Feminino Eliane Domingos (TDF)		
15:30 às 16:00	Intervalo		



Automatic testing - Jenkins

S	R	Job	Build #	Duration	Console
		<i>buildstep</i>			
●		gerrit_master_android	build #47959	(29 min)	>
		<i>buildstep</i>			
●		gerrit_android_arm	build #20430	(6 min 22 sec)	>
●		gerrit_android_x86_64	build #21268	(7 min 50 sec)	>
●		gerrit_windows	build #133774	(1 hr 34 min)	>
●		gerrit_linux_gcc_release	build #124423	(29 min)	>
●		gerrit_linux_clang_dbgutil	build #120930	(50 min)	>
●		gerrit_mac	build #126214	(35 min)	>



Automatic testing - Coverity

Analysis Metrics

Version: 2022-08-21

Aug 21, 2022

Last Analyzed

6,170,556

Lines of Code Analyzed

0.02

Defect Density

Defect changes since previous build dated Aug 19, 2022

1

Newly detected

6

Eliminated

Defects by status for current build

27,925

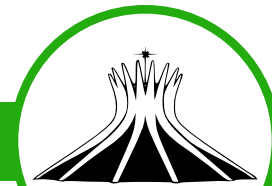
Total defects

113

Outstanding

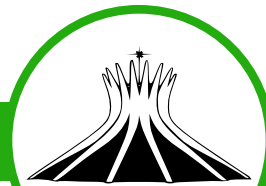
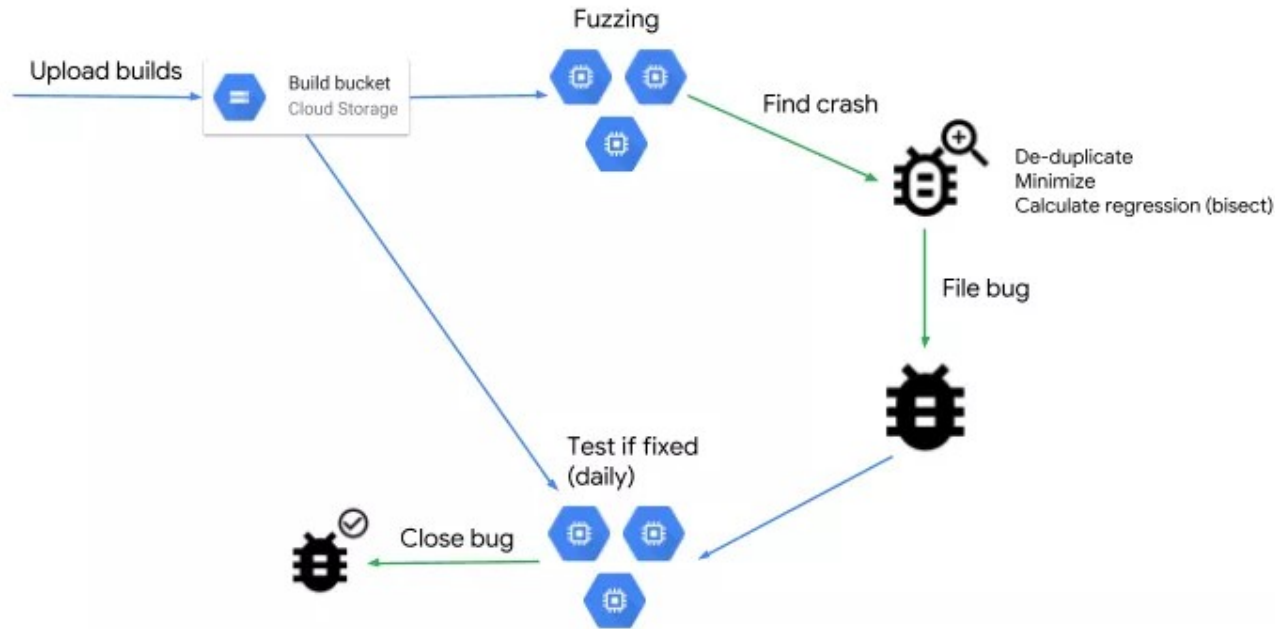
27,474

Fixed



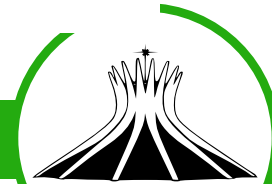
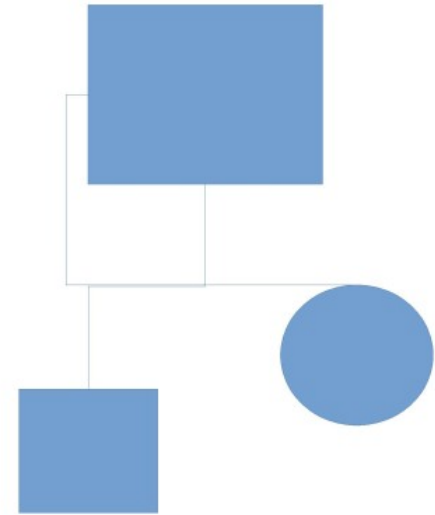
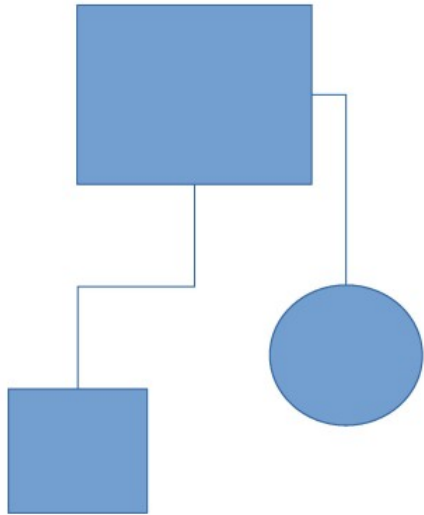
Automatic Testing – Google Fuzzing

→ 1750 problems found



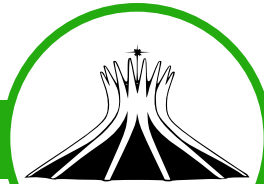
Automatic Testing – Interoperability

→ PDF comparison

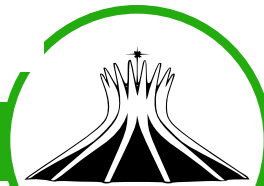


Automatic Testing

- 238.000 files are imported and exported regularly
- 1090 python tests
- 11.700 C++ tests
- There are also tests with other languages (e.g java, basic)
- 11.100 asserts in code



Get Involved!





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Obrigado!
