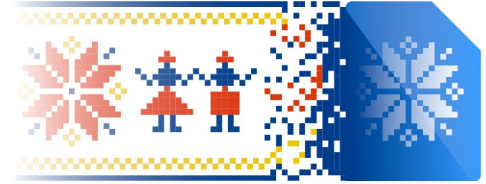


September 20 - 23, 2023



LibreOffice
The Document Foundation



Workshop: Introduction to LibreOffice Development

Effective communication in open source/free software projects

Hossein Nourikhah

Developer Community Architect at TDF

Topics

- ▼ Different communication channels
 - ▼ Web sites and web-based tools
 - ▼ Real time messaging and Social media
 - ▼ E-mail, mailing lists and Discourse
- ▼ Etiquette
- ▼ Avoiding and handling/resolving conflicts
- ▼ The Document Foundation (TDF)
 - ▼ Know TDF and its values
 - ▼ Become a contributor / member

Different communication channels

- ▼ Real time
 - ▼ IRC → On libera.chat
 - ▼ Matrix → Bridged to IRC
 - ▼ Telegram → Bridged to IRC
- ▼ Social media → Twitter, Mastodon, YouTube
- ▼ Mailing lists → Many for different purposes
- ▼ Discourse → New alternative to mailing lists
- ▼ Websites → A whole set of different websites
 - ▼ LibreOffice / TDF → Software / legal stuff, etc.
 - ▼ TDF Wiki → Partially translated to many languages
 - ▼ Blogs → Different blogs for different things
- ▼ Web-based tools → Bugzilla, Weblate, etc.

Etiquette

Valid for all communication channels

- Don't ask to ask, just ask your question
- Do not repeat yourself
- Wait for others to respond
- Be kind, as you expect from others
- Do research before asking
- Be open to the suggestions
- Don't paste large text. **!pastebin**
- Don't expect others to do your task / homework / fix your pet bug

In short:

- Just ask
- Be kind and polite
- Wait, be patient
- Do research first



Main website

LibreOffice main website

- Download LibreOffice
- Links to LO TDF websites
- Links to LO on social media
- General information
- Multiple languages
- New website is underway!

hands on experience

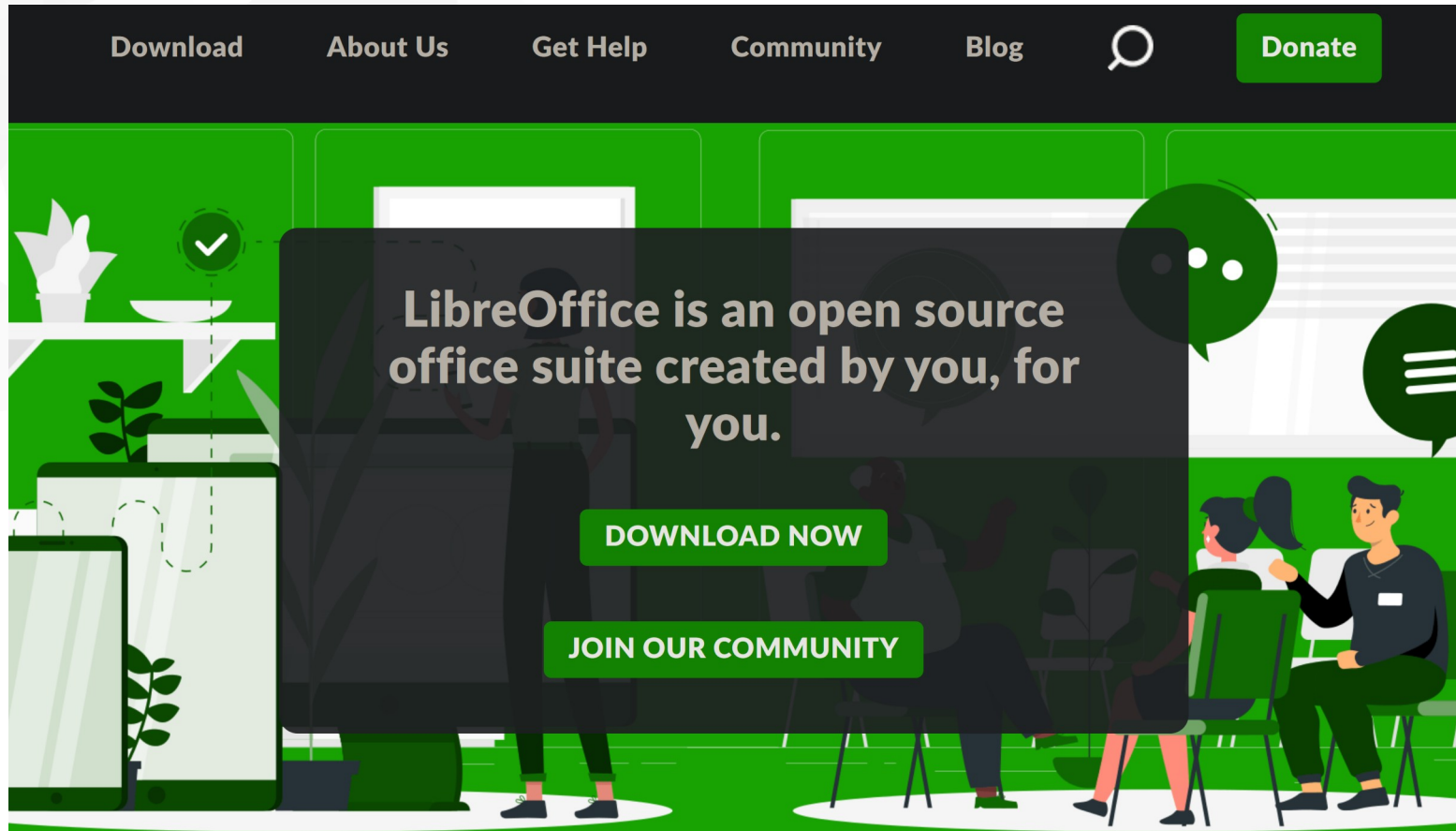
<https://libreoffice.org/>

- Download latest LibreOffice and SDK for your computer



The screenshot shows the LibreOffice main website homepage. At the top, there is a navigation bar with the LibreOffice logo and the text "The Document Foundation". To the right of the logo are several menu items: "DISCOVER", "DOWNLOAD", "GET HELP", "IMPROVE IT", "EVENTS", "ABOUT US", and "DONATE". Below the navigation bar is a large banner featuring a close-up image of a fountain pen. Overlaid on the pen image is the text "OUT NOW: LIBREOFFICE 7.6" in large, bold, white letters. Below this, in smaller white text, are the features: "DOCUMENT THEMES • NAVIGATION PANEL IN IMPRESS • HIGHLIGHTING FOR USED STYLES". At the bottom of the banner is a prominent green button with the text "DOWNLOAD NOW" in white. Below the banner is a row of social media icons: a speech bubble for "Our blog", a speech bubble for "Mastodon", a Twitter bird for "@tdforg", a Twitter bird for "@libreoffice", a Facebook 'f' logo, and a YouTube play button logo. Below this row are two more Twitter icons: "@AskLibreOffice" and "@LibreOfficeBugs", and a Reddit alien logo.

New website



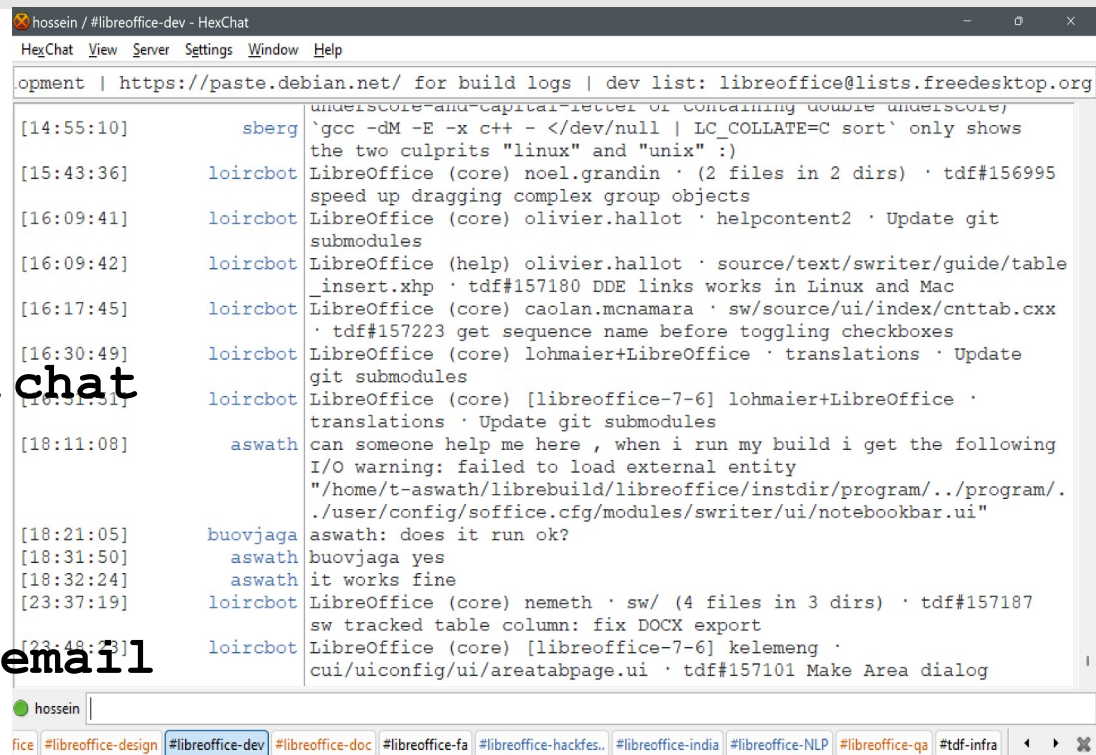
IRC

Multiple rooms on Libera Chat

- Users: #libreoffice
- Developers: #libreoffice-dev

hands on experience

- Join #libreoffice-dev on libera.chat and say hello from workshop. :-)
- Register your nickname
 - /nick MyNick
 - /msg NickServ REGISTER pass email
- Hide your connection host
 - Bad: jack@10-10-1-2.example.com
 - Good: jack@user/jack



hossein / #libreoffice-dev - HexChat
HexChat View Server Settings Window Help

opment | <https://paste.debian.net/> for build logs | dev list: libreoffice@lists.freedesktop.org

```
[14:55:10] sberg underscore-and-capital-letter or containing double underscore)
[15:43:36] loircbot `gcc -dM -E -x c++ - </dev/null | LC_COLLATE=C sort` only shows
the two culprits "linux" and "unix" :)
[16:09:41] loircbot LibreOffice (core) noel.grandin · (2 files in 2 dirs) · tdf#156995
speed up dragging complex group objects
[16:09:42] loircbot LibreOffice (help) olivier.hallot · source/text/swriter/guide/table
_insert.xhp · tdf#157180 DDE links works in Linux and Mac
[16:17:45] loircbot LibreOffice (core) caolan.mcnamara · sw/source/ui/index/cnttab.cxx
· tdf#157223 get sequence name before toggling checkboxes
[16:30:49] loircbot LibreOffice (core) lohmaier+LibreOffice · translations · Update
git submodules
[16:31:31] loircbot LibreOffice (core) [libreoffice-7-6] lohmaier+LibreOffice ·
translations · Update git submodules
[18:11:08] aswath can someone help me here , when i run my build i get the following
I/O warning: failed to load external entity
"/home/t-aswath/librebuild/libreoffice/instdir/program/./program/.
./user/config/soffice.cfg/modules/swriter/ui/notebookbar.ui"
[18:21:05] buovjaga aswath: does it run ok?
[18:31:50] aswath buovjaga yes
[18:32:24] aswath it works fine
[23:37:19] loircbot LibreOffice (core) nemeth · sw/ (4 files in 3 dirs) · tdf#157187
sw tracked table column: fix DOCX export
[23:48:23] loircbot LibreOffice (core) [libreoffice-7-6] kelemeng ·
cui/uiconfig/ui/areatabpage.ui · tdf#157101 Make Area dialog
```

hossein



#libreoffice-design #libreoffice-dev #libreoffice-doc #libreoffice-fa #libreoffice-hackfes.. #libreoffice-india #libreoffice-NLP #libreoffice-qa #tdf-infra



Single sign-on TDF account

- ▼ Single sign-on
 - ▼ Main TDF account
 - ▼ Used in most TDF web sites
- ▼ **hands on experience**
- ▼ Create a TDF account
- ▼ Activate your account
- ▼ Login to your account

Sign in to continue

	<input type="text" value="Username or email address"/>
	<input type="password" value="Password"/>

[Forgotten password?](#) [Create new account](#)

Sign in

user.documentfoundation.org

TDF Wiki

▼ Main resource for learning

▼ Materials for

▼ Development

▼ Documentation

▼ Design

▼ Marketing

▼ And many more!

▼ Partially translated into multiple languages

▼ Limited interactions between the contributors



Main page
Get Involved
Recent changes
Random page
Support LibreOffice!

Editing the wiki
Help resources

Tools

What links here
Related changes
Special pages
Printable version
Permanent link
Page information

English Log in

Page Discussion Read View source View history Search The Document Found Q

Development

TDF LibreOffice Document Liberation Project Community Blogs Weblate Nextcloud
Redmine Ask LibreOffice Donate

Wiki Home | **Development** | Design | QA | Events | Documentation | Website | Localization
| Accessibility | Marketing | Diversity | Wiki Help

Overview | Reporting Bugs | How to build | Code Overview | Git Commands | Debugging | EasyHacks | Release Plan | FAQ
Developers | Extensions | → Open Issues

EN AN AR AST BE BG BN BRX CA CS DA DE EL EO ES ET FA FI FR GD GL GUG HE HI HR
HU ID IS IT JA JV KO KU LO-LA LT MN MR NE NL NO OC OM PA PL PT PT-BR RO RU SAH
SK SL SQ SV TA TE 1m (TH) TR UK UZ VI 正體 (ZH-TW) 簡體 (ZH-CN)

Getting Started with Development

- Get Involved
- LibreOffice Learning Materials
- Building LibreOffice - Video Tutorial
- Using an IDE to work on LibreOffice
- Pick a Task:
 - EasyHacks
 - UI and design related Easy Hacks
 - Most Annoying Bugs
 - GSoc Ideas
 - Crazy Ideas (suggestions and enhancement)

General Programming Guidelines

- Building LibreOffice -- Tips and Tricks:
 - ... on Linux and *BSD systems
 - ... on macOS
 - ... on Windows
 - ... for Android
 - ... on any platform (platform-independent hints)
 - ... GTK4 interface
 - ... online
 - ClangTidy

wiki.documentfoundation.org

TDF Wiki (continued)

- ▼ Great place to find many useful information
- ▼ Nice place to find pointers to other resources

hands on experience

- ▼ Login using your new TDF account
- ▼ Create a user page for yourself (if you want)
- ▼ Find “Development/GetInvolved” page
- ▼ Find “Development/Learning Materials” page
- ▼ Find build instructions for your platform
 - ▼ Linux/macOS/Windows
- ▼ See the Wiki in your local language
- ▼ Do your first translation

Blogs

Multiple blogs

- ▼ TDF blog
- ▼ Dev blog
- ▼ QA blog
- ▼ Design blog
- ▼ Local community blogs
- ▼ TDF Planet

hands on experience

- ▼ Check and see if there is a community blog for your language

The screenshot shows a blog post on the LibreOffice website. At the top is the LibreOffice logo and navigation menu. The post title is "LibreOffice 2021 Schedule Mobile App" by Italo Vignoli. It features images of the mobile app interface on various devices and logos for F-Droid, LibreOffice Conference 2021, and Google Play. The text describes the app's availability and features. A "Read More" button is visible. To the right, there is a "What is LibreOffice?" section with a search bar and a "CII Badge" section.

blog.documentfoundation.org

Mailing lists

- ▼ Multiple mailing lists
- ▼ Developer mailing list
- ▼ **hands on experience**
- ▼ Subscribe to dev mailing list
 - ▼ Do not send “I’m here” email
 - ▼ After your first submission, you will send your license statement, but not now
- ▼ Find archive for LibreOffice development mailing list

LibreOffice -- LibreOffice development and discussions.

About LibreOffice English (USA)

List for LibreOffice development - please make sure you've read [this](#) before posting.

To see the collection of prior postings to the list, visit the [LibreOffice Archives](#).

Using LibreOffice

To post a message to all the list members, send email to libreoffice@lists.freedesktop.org.

You can subscribe to the list, or change your existing subscription, in the sections below.

Subscribing to LibreOffice

Subscribe to LibreOffice by filling out the following form.

Use of all freedesktop.org lists is subject to our [Code of Conduct](#). How we collect and use information is described in our [Privacy Policy](#).

You will be sent email requesting confirmation, to prevent others from gratuitously subscribing you. This is a hidden list, which means that the list of members is available only to the list administrator.

Your email address:

Your name (optional):

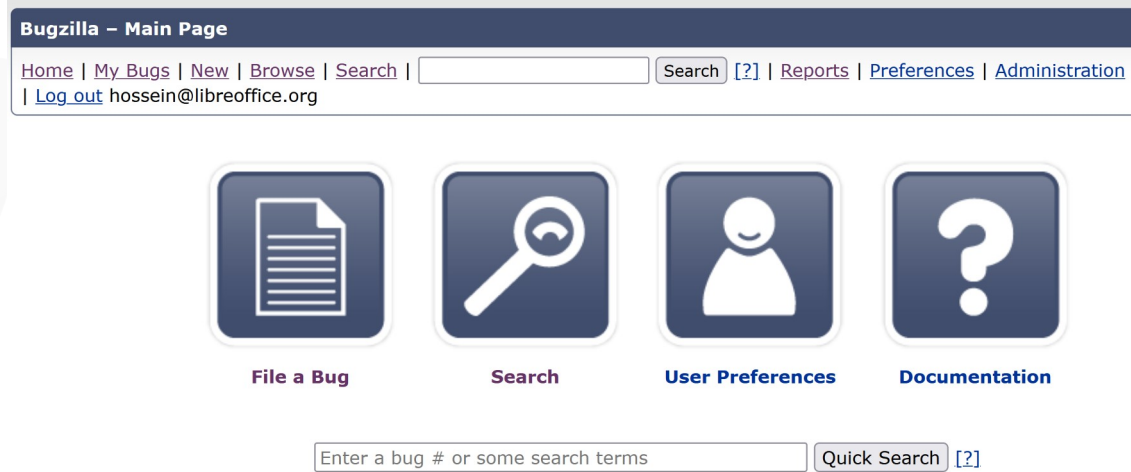
You may enter a privacy password below. This provides only mild security, but should prevent others from messing with your subscription. **Do not use a valuable password** as it will occasionally be emailed back to you in cleartext.

If you choose not to enter a password, one will be automatically generated for you, and it

lists.freedesktop.org/mailman/listinfo/libreoffice

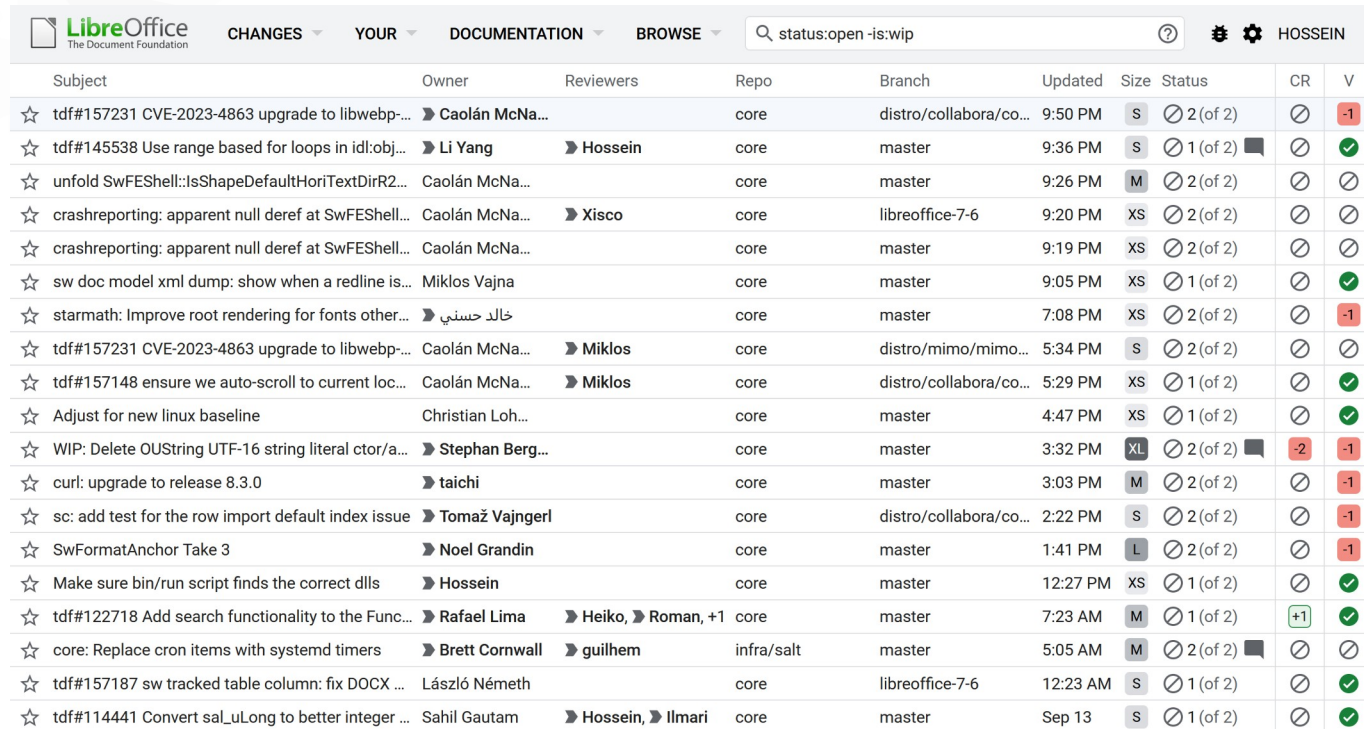
Bugzilla

- ▼ Goal: tracking issues
- ▼ Main place to discuss
 - ▼ Bugs
 - ▼ Features
 - ▼ Enhancement
 - ▼ EasyHacks
- ▼ Interaction between
 - ▼ Bug reporters / QA team / developers
- ▼ Drawbacks: Quite old, not easy to use; Only plain text is usable
 - ▼ Hopefully, an update is planned to land soon
- ▼ **hands on experience**
 - ▼ Create an account in Bugzilla



Gerrit

- Goal: code review
- Main place to discuss
 - Code submissions
 - Bug fixes
 - Code styles
 - Follow-ups
- Interaction between
 - Contributors / Reviewers
- hands on experience**
- Search for a specific term to find commits



The screenshot shows the LibreOffice Gerrit interface. At the top, there is a navigation bar with the LibreOffice logo, "The Document Foundation", and several menu items: "CHANGES", "YOUR", "DOCUMENTATION", and "BROWSE". A search bar contains the text "status:open -is:wip". To the right of the search bar are icons for help, settings, and a user profile for "HOSSEIN".

Subject	Owner	Reviewers	Repo	Branch	Updated	Size	Status	CR	V
☆ tdf#157231 CVE-2023-4863 upgrade to libwebp...	► Caolán McN...		core	distro/collabora/co...	9:50 PM	S	⊗ 2 (of 2)	⊗	-1
☆ tdf#145538 Use range based for loops in idl:obj...	► Li Yang	► Hossein	core	master	9:36 PM	S	⊗ 1 (of 2)	⊗	✓
☆ unfold SwFEShell::isShapeDefaultHoriTextDirR2...	Caolán McNa...		core	master	9:26 PM	M	⊗ 2 (of 2)	⊗	⊗
☆ crashreporting: apparent null deref at SwFEShell...	Caolán McNa...	► Xisco	core	libreoffice-7-6	9:20 PM	XS	⊗ 2 (of 2)	⊗	⊗
☆ crashreporting: apparent null deref at SwFEShell...	Caolán McNa...		core	master	9:19 PM	XS	⊗ 2 (of 2)	⊗	⊗
☆ sw doc model xml dump: show when a redline is...	Miklos Vajna		core	master	9:05 PM	XS	⊗ 1 (of 2)	⊗	✓
☆ starmath: Improve root rendering for fonts other...	► خالد حسني		core	master	7:08 PM	XS	⊗ 2 (of 2)	⊗	-1
☆ tdf#157231 CVE-2023-4863 upgrade to libwebp...	Caolán McNa...	► Miklos	core	distro/mimo/mimo...	5:34 PM	S	⊗ 2 (of 2)	⊗	⊗
☆ tdf#157148 ensure we auto-scroll to current loc...	Caolán McNa...	► Miklos	core	distro/collabora/co...	5:29 PM	XS	⊗ 1 (of 2)	⊗	✓
☆ Adjust for new linux baseline	Christian Loh...		core	master	4:47 PM	XS	⊗ 1 (of 2)	⊗	✓
☆ WIP: Delete OUString UTF-16 string literal ctor/a...	► Stephan Berg...		core	master	3:32 PM	XL	⊗ 2 (of 2)	⊗	-2 -1
☆ curl: upgrade to release 8.3.0	► taichi		core	master	3:03 PM	M	⊗ 2 (of 2)	⊗	-1
☆ sc: add test for the row import default index issue	► Tomaž Vajngerl		core	distro/collabora/co...	2:22 PM	S	⊗ 2 (of 2)	⊗	-1
☆ SwFormatAnchor Take 3	► Noel Grandin		core	master	1:41 PM	L	⊗ 2 (of 2)	⊗	-1
☆ Make sure bin/run script finds the correct dlls	► Hossein		core	master	12:27 PM	XS	⊗ 1 (of 2)	⊗	✓
☆ tdf#122718 Add search functionality to the Func...	► Rafael Lima	► Heiko, ► Roman, +1	core	master	7:23 AM	M	⊗ 1 (of 2)	⊕1	✓
☆ core: Replace cron items with systemd timers	► Brett Cornwall	► guilhem	infra/salt	master	5:05 AM	M	⊗ 2 (of 2)	⊗	⊗
☆ tdf#157187 sw tracked table column: fix DOCX ...	László Németh		core	libreoffice-7-6	12:23 AM	S	⊗ 1 (of 2)	⊗	✓
☆ tdf#114441 Convert sa_uLong to better integer ...	Sahil Gautam	► Hossein, ► Ilmari	core	master	Sep 13	S	⊗ 1 (of 2)	⊗	✓

Weblate

- Used for translating UI
- Review process
 - Submit suggestions
 - It has to be reviewed
 - After that, it will be used
 - There is a deadline for the releases
- hands on experience**
 - Create a Weblate account
 - Find your language
 - Check the status
 - Translate a single string

LibreOffice UI - master translated 51%

Language	Translated	Unfinished	Unfinished words	Checks	Suggestions	Comments
Persian	40%	23,323	132,279	1		1
Arabic	81%	7,323	65,037	464	1	1
German	99%	115	733			
English	✓					45
Abkhazian	58%	16,216	119,502	248	1	
Afrikaans	99%	111	741	6		
Albanian	48%	20,184	119,659	589	11	1
Amharic	89%	4,180	33,322	2,443		

translations.documentfoundation.org

Avoiding conflicts

- ▼ How to avoiding conflicts
 - ▼ Focus on contributing
 - ▼ Learn and know:
 - ▼ The Software
 - ▼ Values of the community
 - ▼ Rules and guidelines
 - ▼ People from the community
 - ▼ Give more than you take
 - ▼ Be bold, but stay calm and follow etiquette
 - ▼ Do not tell other contributors what to do
 - ▼ Do not be silent against bad / toxic behavior
 - ▼ Understand conflict of interest policy, act accordingly
 - ▼ Avoid trolling



Resolving conflicts

- ▼ How to resolve possible conflicts
 - ▼ Stay calm and respectful
 - ▼ Do not insult
 - ▼ Listen to others
 - ▼ Ask questions to clarify things
 - ▼ Be honest
 - ▼ Discuss on common grounds
 - ▼ Do not talk at people's back
 - ▼ Do not blame and accuse



TDF values

TDF/Next Decade Manifesto

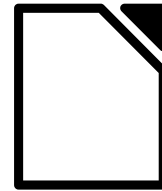
WE COMMIT OURSELVES:	WE REJECT:
to eliminate the digital divide in society by giving everyone access to office productivity tools free of charge to enable them to participate as full citizens in the 21st century	the ownership of office productivity tools by monopoly suppliers which imposes a <i>de facto</i> tax on global electronic free speech and penalises the economically disadvantaged
to support the preservation of mother tongues by encouraging all peoples to translate, document, support, and promote our office productivity tools in their mother tongue	the creeping domination of computer desktops by a single language forcing people to learn a foreign language before they can express themselves electronically
to allow users of office productivity software to retain the intellectual property in the documents they create by use of open document formats and open standards	the ownership of file formats by proprietary software companies – documents belong to their creators, not software vendors
to an open and transparent peer-reviewed software development process where technical excellence is valued	a closed software development process where errors can lie hidden and poor quality is accepted

hands on experience

- ▼ Check if the manifesto is translated to your language (translate it if not)

Know TDF

- ▼ Different TDF bodies
 - ▼ Board of directors
 - ▼ Membership committee
 - ▼ Advisory board
 - ▼ Board of trustees (TDF members)
 - ▼ Staff (team)
 - ▼ Currently 16 people
 - ▼ Engineering steering committee (ESC)
 - ▼ Certified developers
 - ▼ Migration consultants
 - ▼ Professional trainers



LibreOffice
The Document Foundation

Refer to the TDF website
for more information

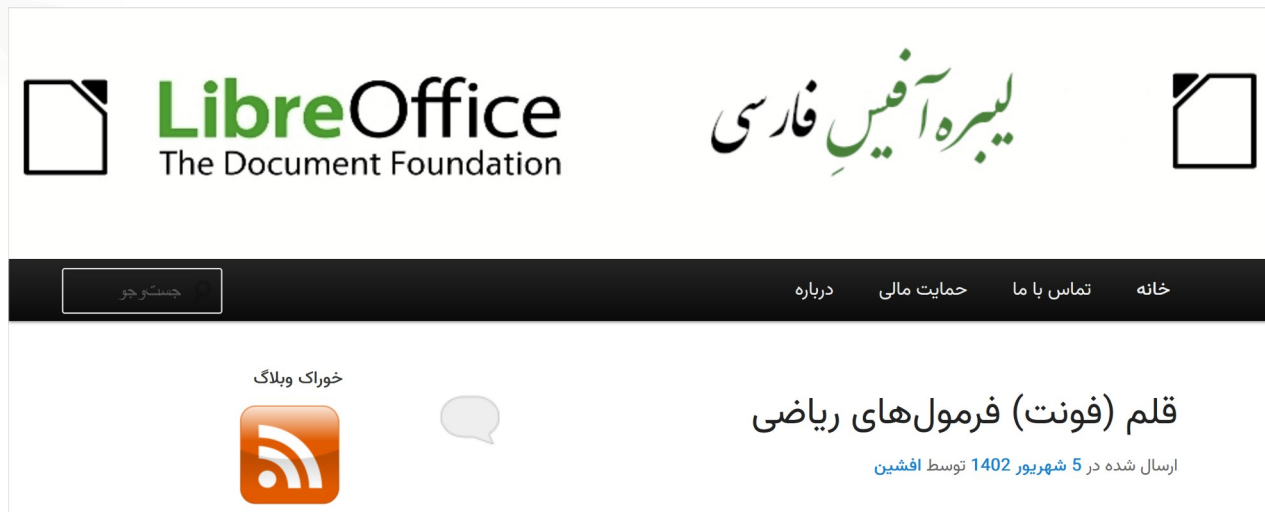
www.documentfoundation.org

Know your local community

- ▼ Local communities
 - ▼ Your language
 - ▼ Your country
- ▼ Know the coordinator
- ▼ Local websites
- ▼ Local chat groups
 - ▼ Matrix / Telegram
 - ▼ Local mailing lists
- ▼ Help with Localization (l10n) and Internationalization (i18n)

hands on experience

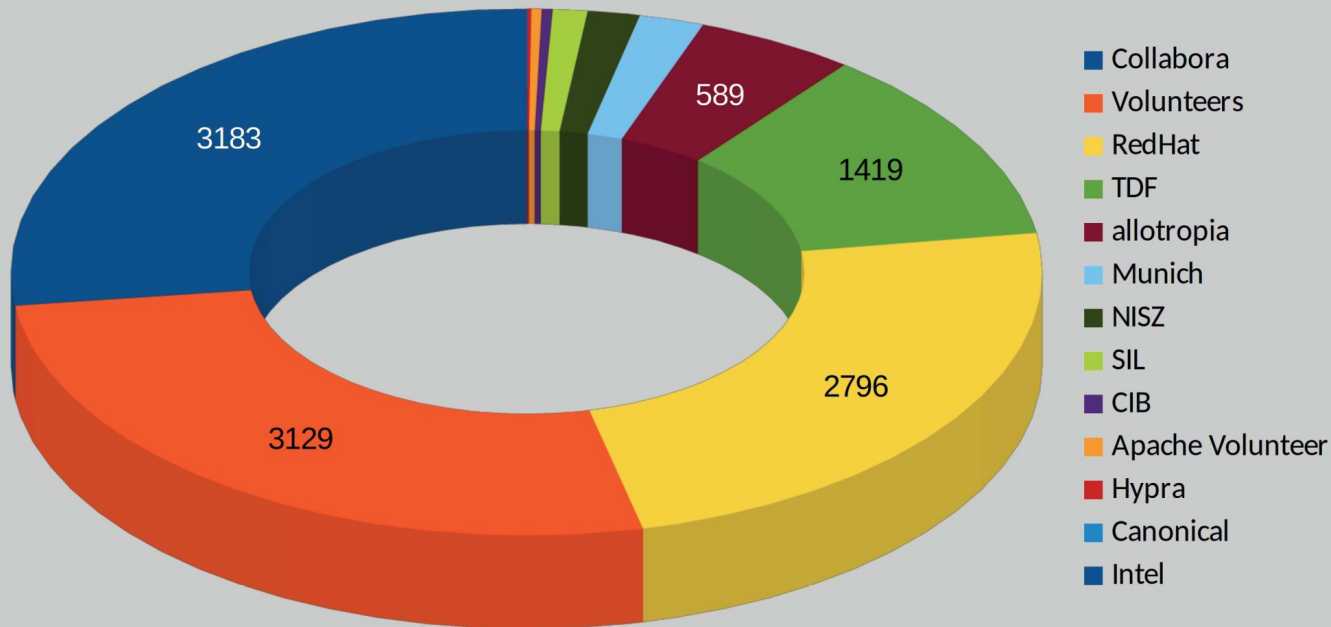
- ▼ Find your local community



Persian language community

Know ecosystem companies

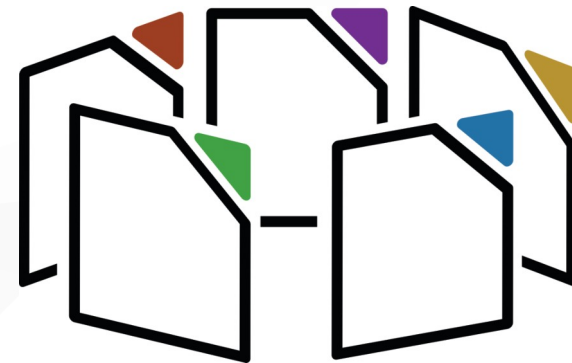
GIT Commits by Organization



- ▼ Top LibreOffice code contributors
- ▼ 2022 annual report



LibreOffice Technology Logo



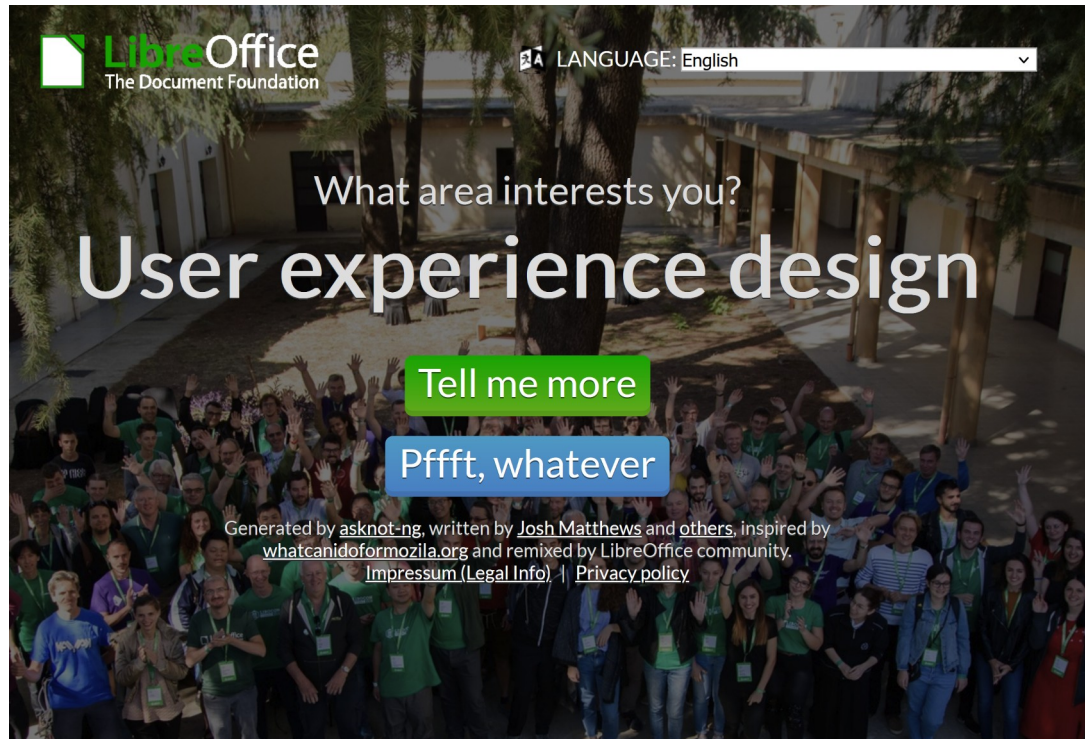
LibreOffice Ecosystem Logo

Know LibreOffice people worldwide



Become a contributor

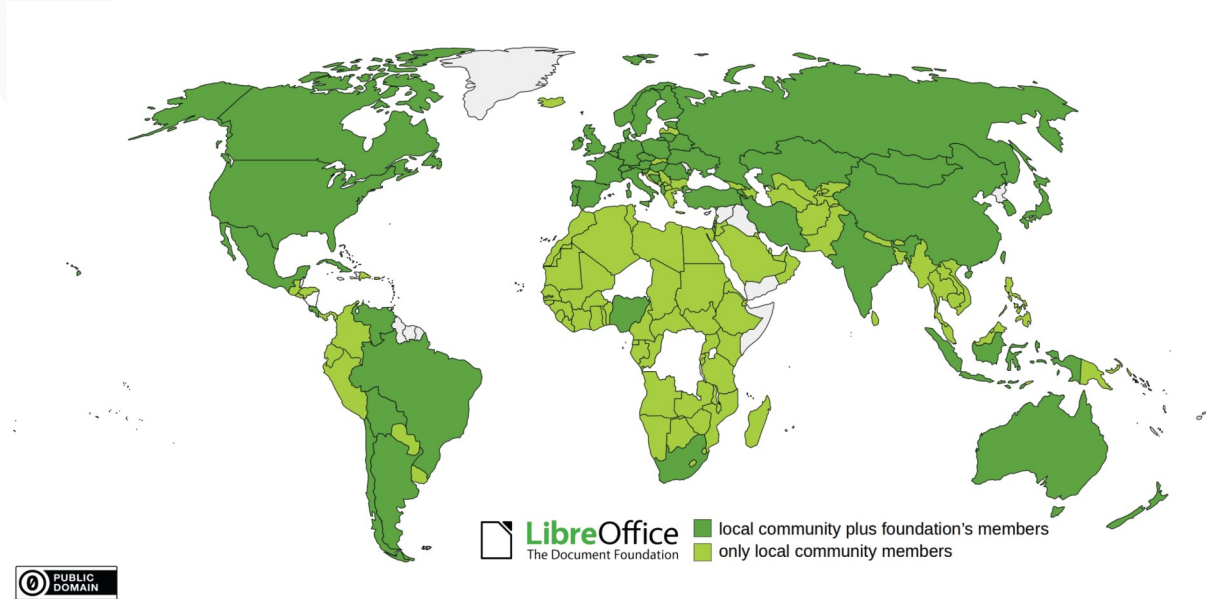
- ▼ Learn
 - ▼ Otherwise, you can not help much
- ▼ Use
 - ▼ 1st step: actually use the software
- ▼ Contribute
 - ▼ Find area that can be improved
 - ▼ Do something useful
 - ▼ Submit your changes
 - ▼ If accepted, will be included in the next versions
 - ▼ It does not have to be code
 - ▼ Here, we focus on coding :-)



whatcanidoforlibreoffice.org

Become a TDF member

- ▼ Officially: member of board of trustees
- ▼ How to become a member?
 - ▼ Provide contributions
 - ▼ Do it for several months
 - ▼ Apply to become a TDF member
- ▼ See membership website
 - ▼ membership.documentfoundation.org



- ▼ TDF members across the world
 - ▼ 2022 annual report

Take part in elections

- ▼ Members are able to
 - ▼ Vote
 - ▼ Become a candidate
 - ▼ Make things better!
- ▼ Elections and polls
 - ▼ Board of directors (BoD)
 - ▼ Membership Committee
 - ▼ Conference location

The Document Foundation

The home of LibreOffice

The Document Foundation Elections and Referenda

Election Materials

The Document Foundation Membership holds its Board of Directors and Membership Committee elections usually every two years. Any member can nominate themselves to run in the election.

In addition, sometimes the membership is asked to collectively decide on important changes, or is polled e.g. for conference locations.

The ones responsible for running the then-current election can always be reached at elections@documentfoundation.org.

- [Material from the 2011 BoD Elections](#)
- [Material from the 2012 conference location poll](#)
- [Material from the 2012 Membership Committee Elections](#)
- [Material from the 2013 conference location poll](#)
- [Material from the 2013 board of directors elections](#)
- [Material from the 2014 Membership Committee Elections](#)
- [Material from the 2015 Board of Directors elections](#)
- [Material from the 2016 Membership Committee Elections](#)
- [Material from the 2017 Board of Directors elections](#)
- [Material from the 2018 Membership Committee Elections](#)
- [Material from the 2020 conference location poll](#)
- [Material from the 2019 Board of Directors elections](#)
- [Material from the 2020 Membership Committee Elections](#)
- [Material from the 2021 Board of Directors elections](#)
- [Material from the 2022 Membership Committee Elections](#)

elections.documentfoundation.org

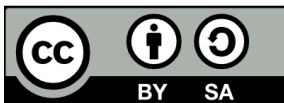
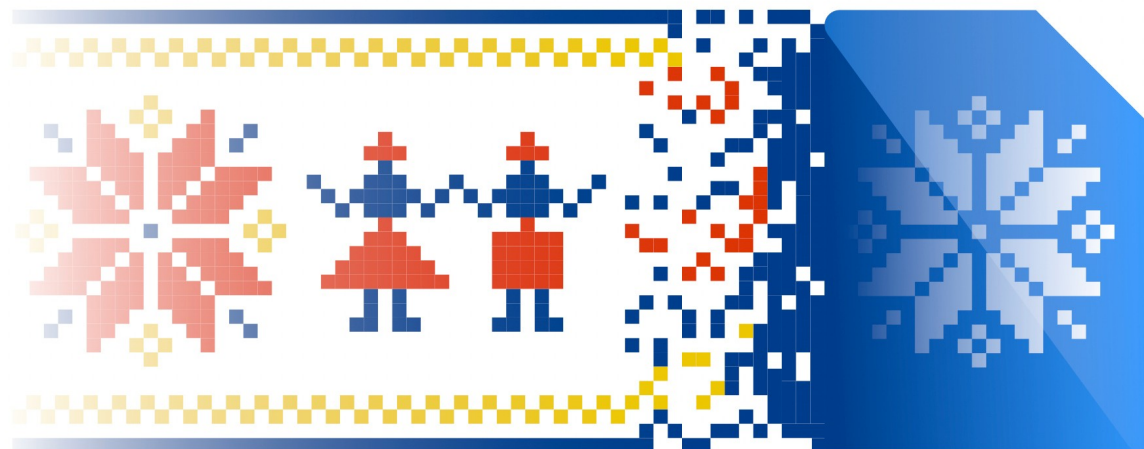
Thank you ...



LibreOffice
The Document Foundation

▼ Thank you for your patience!

September 20 - 23, 2023



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