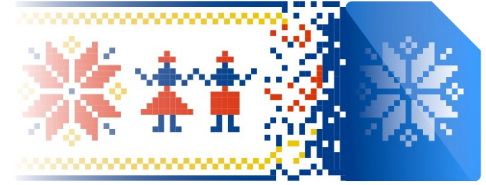


September 20 - 23, 2023



**LibreOffice**  
The Document Foundation



# Introduction to LibreOffice Development

*Gerrit*

**Xisco Fauli**

# What is Gerrit?

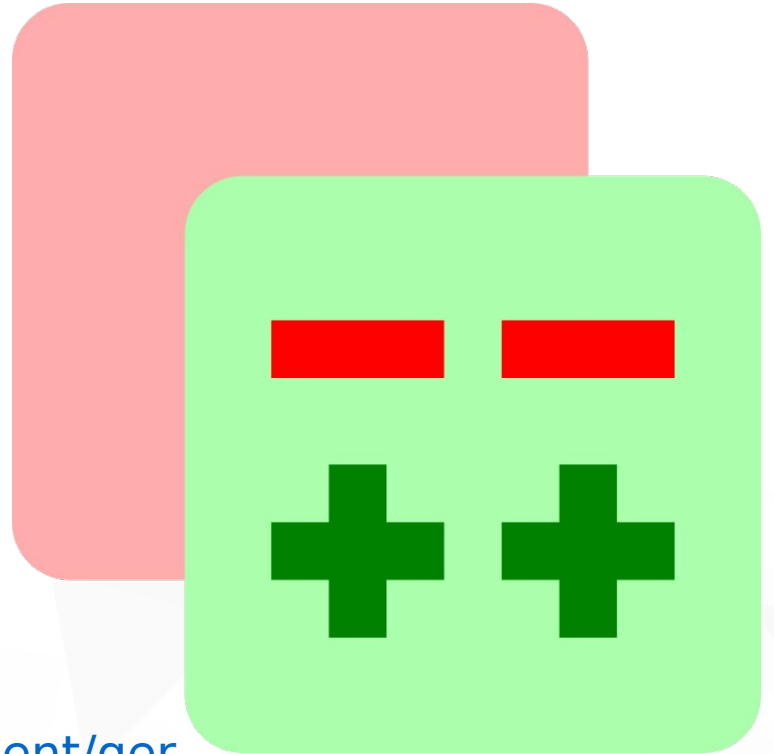
- ▼ web-based team code collaboration tool
- ▼ Integrates closely with Git
- ▼ Discuss changes
- ▼ Approve or reject changes
- ▼ Edit changes online

Website:

<https://gerrit.libreoffice.org>

Documentation:

<https://wiki.documentfoundation.org/Development/gerrit>



# Setup

- ▼ Create a TDF account (skip if you already have one)  
<https://user.documentfoundation.org/create>
- ▼ Run `./logerrit setup` and follow the steps
  - ▼ Go to Gerrit and click on “Sign in”
  - ▼ Paste the public key in the 'New SSH key' form
  - ▼ Write TDF username
  - ▼ Add host info to `~/.ssh/config`
- ▼ Run `./logerrit test`

# Commit your changes

- ▼ Check the current branch with “git branch”
- ▼ Checkout to a new branch with “git checkout -b <a\_local\_branch\_name\_of\_your\_choice> origin/master”
- ▼ Do your changes
  - ▼ Example: Add a comment to bin/find-german-comments
- ▼ Check your changes with “git status” and “git diff”
- ▼ Stage your changes with “git add <file>”
  - ▼ Example: git add bin/find-german-comments
- ▼ Commit your changes with “git commit”
- ▼ Write the commit message

# Push your changes

- ▼ Check the current log with “git log”
- ▼ Check the last commit with “git show HEAD”
- ▼ Push the changes to Gerrit with “./logerrit submit master%private”
- ▼ Go to the link

## NOTES:

- ▼ Private changes are only visible to yourself and whoever you add as a reviewer.
- ▼ Private changes do not trigger the CI
- ▼ Under normal circumstances, do not use %private

# Add a reviewer

- Go to your change in Gerrit
- Click on Reply
- Add email to the Reviewers textbox
- Add a comment
- Click on Send

Reviewers Hossein X | Add reviewer...

CC Add CC...

Submit requirements votes

Code-Review -2 -1 0 +1 +2 *No score*

Verified -1 0 +1 *No score*

Hello Hossein,  
Could you please review this patch?  
Thanks a lot

Resolved  Preview formatting

Bring to attention of ➤ Hossein ✎ MODIFY ?

CANCEL SEND

# Modify your changes

- ▼ Check the current branch with “git branch”
- ▼ Check the current log with “git log”
- ▼ Do your changes
  - ▼ Example: Add a another comment to bin/find-duplicated-files.py
- ▼ Stage your changes
- ▼ Amend the changes with “git commit -amend”
- ▼ Check the last commit with “git show HEAD”
- ▼ Push the changes to Gerrit with “./logerrit submit master%private”
- ▼ Go to the link

# Split your changes

- ▼ Go to your change in Gerrit
- ▼ Click on Download
- ▼ Copy the link to create a branch and paste it in the shell
- ▼ Untage the file in your commit with “git reset HEAD^”
- ▼ Check your changes with “git status” and “git diff”
- ▼ Pick up files that should stay in your first change with “git add <file>”
- ▼ Commit your changes with “git commit”
- ▼ Pick up files that should stay in your second change with “git add <file>”
- ▼ Commit your changes with “git commit”
- ▼ Push the changes to Gerrit with “./logerrit submit master%private”
- ▼ Go to the link



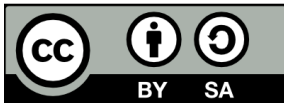
# Edit your changes online

- ▼ Go to your change in Gerrit
- ▼ Click on Edit
- ▼ Select the file you want to edit
- ▼ Do your changes
- ▼ Click on Save & Publish



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**Thank you ...**



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