



Collabora Productivity

# Document Redaction with LibreOffice

By Muhammet Kara

Consultant Software Engineer at  
Collabora Productivity

@muhamm3tkara

# Muhammet Kara

## Work

- Working on the core & UI
- Since Dec 2018
- Was @Pardus project before

## Community

- LibreOffice certified developer
- Long-time GNOME contributor
- Member of The Document Foundation & the GNOME Foundation

# What is Redaction, aka Sanitization?

**“Redaction/Sanitization** is the process of removing sensitive information from a document or other message, so that the document may be distributed to a broader audience.”

# Why?

## Some of the reasons

- Unclassify the classified documents
- Privacy protection & data anonymization
- Prevent information leak in collaborative environments
- ...

# Who?

## Some of the possible users

- Government & military
- Public institutions
- Anyone who wants to share info without disclosing personal/private information
- ...

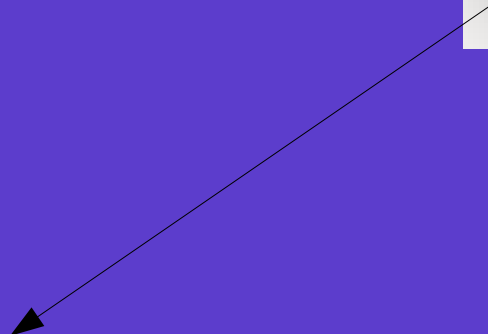
# Process

- **Open a document in LibreOffice Writer/Calc**
- **When you are ready to redact, click the redact button/menu**
- **Redact the doc in LibreOffice Draw**
- **Export & share with the others**

# Technical Process

- Convert the document into a metafile
- Spawn a new Draw instance
- Insert the metafile into Draw
- Open the Redaction toolbar
- Flatten/pixelize document while exporting

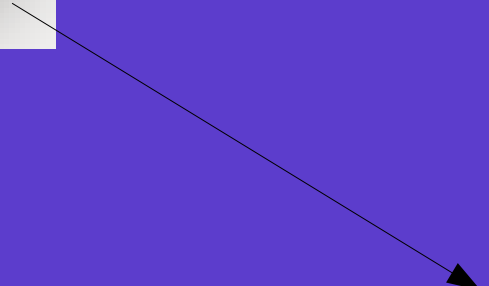
# Redaction Toolbar



Rectangle Redaction



Freeform Redaction



Export as Pizelized PDF



# How & where & by who?

- **Adding new feature by improving LibreOffice's facilities**
- **On LibreOffice core code repo (master)**
- **By Collabora Productivity team**
- **Not ready for prime-time... yet!**
- **More features are in being baked...**

**Demo**



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# Thank you!

**By Muhammet Kara**

@muhamm3tkara

[muhammet.kara@collabora.com](mailto:muhammet.kara@collabora.com)

<https://muhammetkara.com>