



Collabora Productivity

# How best to migrate to LibreOffice

*With some tips from the field ...*

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mmEEKS, #libreoffice-dev, irc.freenode.net

*“Stand at the crossroads and look; ask for the ancient paths, ask where the good way is, and walk in it, and you will find rest for your souls...” - Jeremiah 6:16*



# Overview

**Introductions ...**

**What is LibreOffice**

**Why Migrate**

**How To migrate**

**Migration Tools & tips**

**Online**

Solving external sharing

**Migration Case Study**

SEHSCT

Savings & status

Sample interop. Issues

Sample feature wins

**Why Training ?**

**Conclusions**

# What is LibreOffice:



# Collabora Productivity

LibreOffice

File Tools Help

Open File

Templates

Create:

Writer Document

Calc Spreadsheet

Impress Presentation

Draw Drawing

Math Formula

Base Database

Help

Extensions



Collabora Productivity

libreoffice@collabora.com +44 1223 362967

# Writer - Text Documents

The screenshot displays the Collabora Office Writer interface. At the top, the title bar reads "Collabora Online.odt - Collabora Office Writer". Below it is a menu bar with "File", "Edit", "View", "Insert", "Format", "Styles", "Table", "Form", "Tools", "Window", and "Help". A toolbar contains various icons for document operations. The main editing area shows a document with a dark blue header containing the "Collabora Productivity" logo and "Collabora Online 3.3". The main text reads: "Collabora Online: the enterprise-ready LibreOffice-based Online Office Suite that allows you to stay in **control of your own documents. full control of your office files.** LibreOffice is the world's **most popular Open Source Office suite with over 120 million users.** Collabora, a leading contributor to the project, and developer of the enterprise-ready, Long Term **Support** edition of LibreOffice, Collabora Office, has now brought **LibreOffice to the Cloud with Collabora Online.**"

Collaborative editing is shown with callouts: "YOU editing..." (purple), "ANNE editing..." (green), and "THOMAS editing..." (red). A comment box on the right contains a discussion: "Can we add the version number here too?" (purple), "Great idea! Let's check the rest of the document too, and let's add a link: [www.collaboraoffice.com](http://www.collaboraoffice.com)" (pink), and "Emily" (red). The status bar at the bottom shows "Page 1 of 2", "280 words, 1,917 characters", "Default Style", "English (USA)", and "130%".

# Calc - Spreadsheets

SEO-Dashboard (1).xlsx - Collabora Office Calc

File Edit View Insert Format Styles Sheet Data Tools Window Help

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B14

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1 GuitarShopExample.com 1/1/2016 - 31/12/2016

2 Top Keywords

3 Guitar Straps

4 Bass Guitar Pick

5 Gibson Acoustic

6 Marshall Amp

7 Les Paul Guitar

8 Gibson Acoustic

9 Peavey Amp

10 Fender Black amp

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12 Mesa Boogie amp

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# Impress - presentations ... + Drawings ...

workshop.odp - Collabora Office Impress

File Edit View Insert Format Slide Slide Show Tools Window Help

**Slides**

5 About Collabora Productivity ...

6 Collabora Productivity: examples

**Collabora Productivity: examples**

**AMD**

**RYZEN**

**THREADRIPPER**

One of the top three Italian banks  
**20,000** seats deployed in all their  
branch offices. Visionary cost  
savings.

Partner:  
**STUDIOSTORTI**  
SOLUZIONI OPEN SOURCE

Partner:  
**NOFF**

Powerful document  
classification – eg. “top  
secret”. Digital signatures and  
classification of paragraphs.

**DELL**

**130 partners and growing ...**

[www.collaboraoffice.com](http://www.collaboraoffice.com)

**Master Pages**

Used in This Pres

Slide 6 of 37 | Find Find All Match Case | collabora11 29.24 / 21.67 | 0.00 x 0.00 | English (USA)

# Base – a built-in database component.

The screenshot displays the LibreOffice Base application window titled "New Database.odb - LibreOffice Base". The interface includes a menu bar (File, Edit, View, Insert, Tools, Window, Help) and a toolbar with various icons. On the left, a sidebar shows the "Database" view with icons for Tables, Queries, Forms, and Reports. The main workspace is divided into "Tasks" and "Table" panes. A "Table Wizard" dialog box is open, titled "Table Wizard", with a "Description" tab selected. The dialog contains the following elements:

- Steps:** A list of four steps: 1. Select fields (highlighted in orange), 2. Set types and formats, 3. Set primary key, and 4. Create table.
- Select fields for your table:** A section with a description: "This wizard helps you to create a table for your database. After selecting a table category and a sample table, choose the fields you want to include in your table. You can include fields from more than one sample table."
- Category:** Two radio buttons: "Business" (selected) and "Personal".
- Sample tables:** A dropdown menu showing "Tasks".
- Available fields:** A list box containing "Notes", "TaskID", "EndDate", "StartDate", and "Description".
- Selected fields:** An empty list box.
- Navigation:** Four arrow buttons between the field lists: ">", ">>", "<<", and "<".
- Buttons:** "Help", "< Back", "Next >", "Finish", and "Cancel" at the bottom.

At the bottom of the window, the status bar shows "Embedded database" and "HSOLDB Embedded".

# Comprehensive file importer

**Collabora Online supports a huge number of binary formats**

- 175+ import filters: ...
  - Office 95 to Office 2017
  - Visio, Quark Express, Publisher
  - Keynote, Numbers, Pages, Works
- Clear focus on interop. With
  - DOC, XLS, PPT
  - DOCX, XLSX, PPTX
  - RTF
  - OpenDocument – ODT, ODS, ODP



**Document  
Liberation**  
Own your content

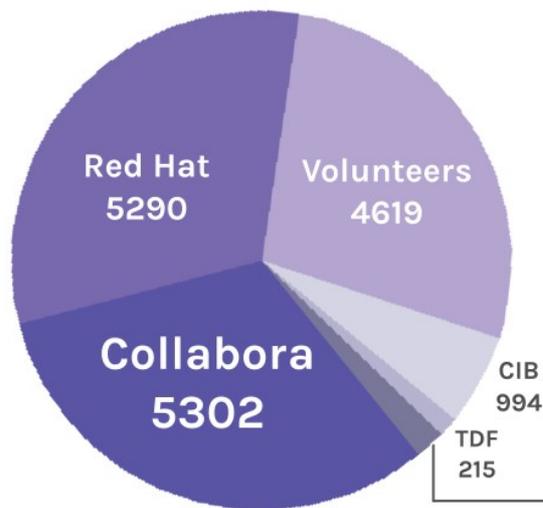
# The LibreOffice community

- ~200 million LibreOffice user-base
- ~1000 people helping to develop LibreOffice
  - 100 localization teams: 62 PC, 33 Online
- ~300 individual committers in the last year
- Product developed in public.



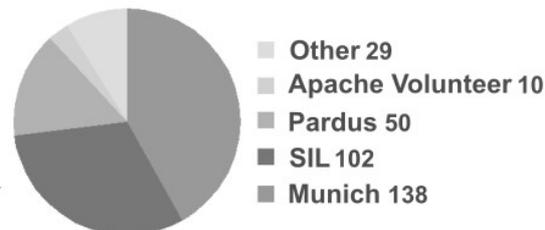
**Berlin: Federal Ministry of Economics and Technology**

## Top contributors



# 16,749

Code Commits between July 2017 and July 2018



**City of Rome: Capitol Hill**

# Why Migrate ?



*It is possible to migrate to a LibreOffice based product, **saving money**, future proofing documents, and using cost savings to **improve staff training & productivity & business-process***

## Some advice from TDF

### Why not just use LibreOffice for free ?

*"The Document Foundation **encourages** large organizations deploying LibreOffice to do so in conjunction with a **support partner**, who can carefully assess specific requirements, help **manage migration** and **provide bespoke fixes** for identified issues. Purchasing LibreOffice support from a TDF partner also provides enterprises with an indirect means to **contribute financially** to the project, thereby **funding its development**, improving its stability, and accelerating its growth."*

*cf. [release-notes](#)*

# Recommended – use Certified Professionals

**This is an OpenSource code-base: DIY is possible !**

- As with Home Electrics, and/or self Gas Boiler maintenance
  - There are some risks... you may even be required to have professional supervision / sign-off ... professionals unlikely to help fix your mess for free.

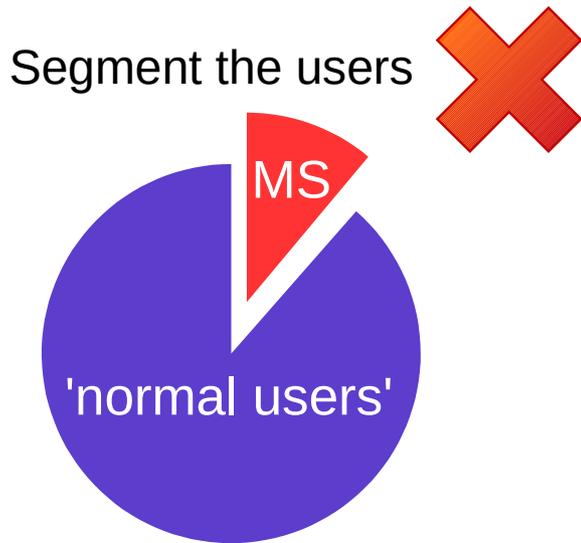
**Get expert help:**

- Certified developers with Long Term Supported versions:  
<https://www.documentfoundation.org/gethelp/developers/>
- Certified Migrators  
<https://www.documentfoundation.org/gethelp/migrators/>
- Certified Trainers  
<https://www.documentfoundation.org/gethelp/trainers/>

How to ...

# Segmenting – without format islands ...

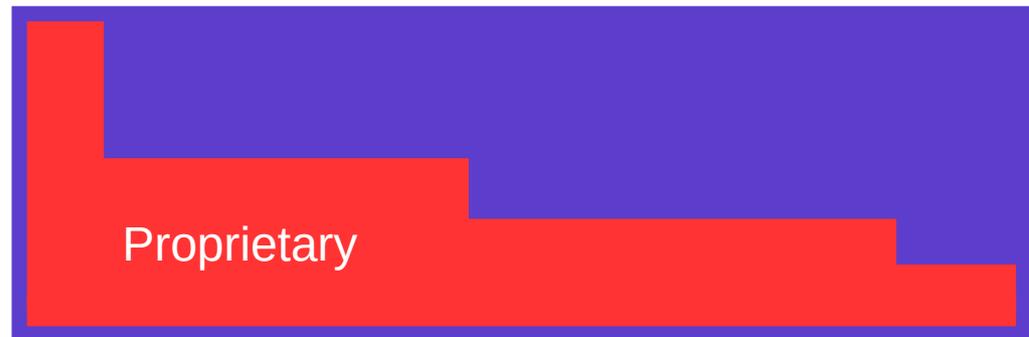
## OOXML default



This can cause a disconnection between areas within an organization.

## OpenDocument Format default

Everyone installs LibreOffice / Collabora Office to build in compatibility and interoperability. 



Step down the use of proprietary licenses as any enterprise agreement allows.

Crucially, from day 1, all proprietary users **set ODF as their default save setting** and any proprietary format anomalies are handled as part of the migration plan.

# Preparation & Piloting

## Things that don't work:

- *“I've installed LibreOffice as well as MS Office please try it and tell me if you have issues, we switch next month”*

## Instead

- Ask teams for templates & frequent documents
  - test these for interoperability
    - Either mend documents yourself; or get interop. Fixes

## Pilot inside teams

- The Technical Wizard is proly not the best pilot target
- Add the least technically savvy person in each group too.

# Cost / Benefit - Improving your documents

## Templates with issues

- Large extant document set with potential problems.
- Legacy documents used regularly
- Significant win from interop. Fix
  - File ticket
  - Deploy fix

## Individual, not widely used documents

- Fix the templates going forward ?
- Fix the existing used documents in-house.



*“... the migration to LibreOffice represents an excellent **opportunity to rethink** the organization's **processes**. For example, before migrating any existing Visual Basic macros, it is better to **determine** if the **macros are still needed** in order to discard those that are no longer used, and re-engineer the remaining ones. The same applies to document templates, and to proprietary plugins which connect the office suite to proprietary enterprise applications.”*

## **LibreOffice Migration Protocol**



# Migration tools / assistants



# Collabora OLE Automation Tool

Un-blocking migrations that are stuck with old VB6 / VB macros:

- <https://www.collaboraoffice.com/coleat/>

Visual Basic Line of  
Business App



**COLEAT**

*Trace*



Word

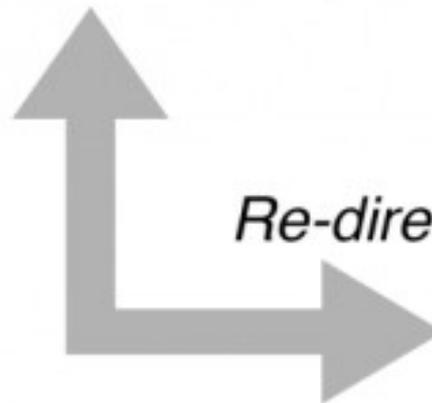
**Some apps have:**

VB5 – Feb 1997

VB6 – mid 1998

Java - ...

*Re-direct*



Collabora Office

**Video ...**

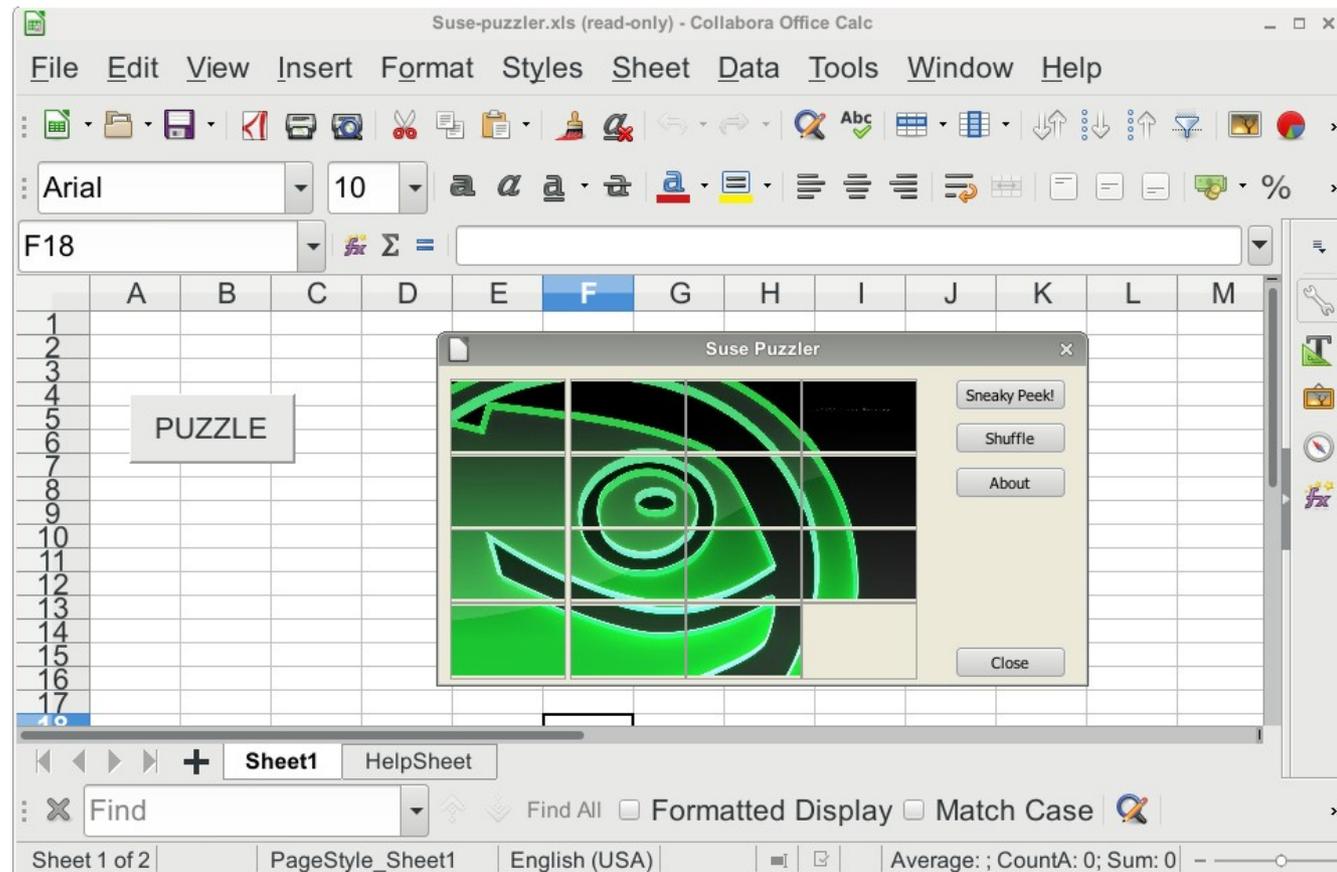
# VBA macro interoperability ...

## Substantial, incremental work here

- Many simple macros work out of the box ...
- Forms too.

## Cost to fix

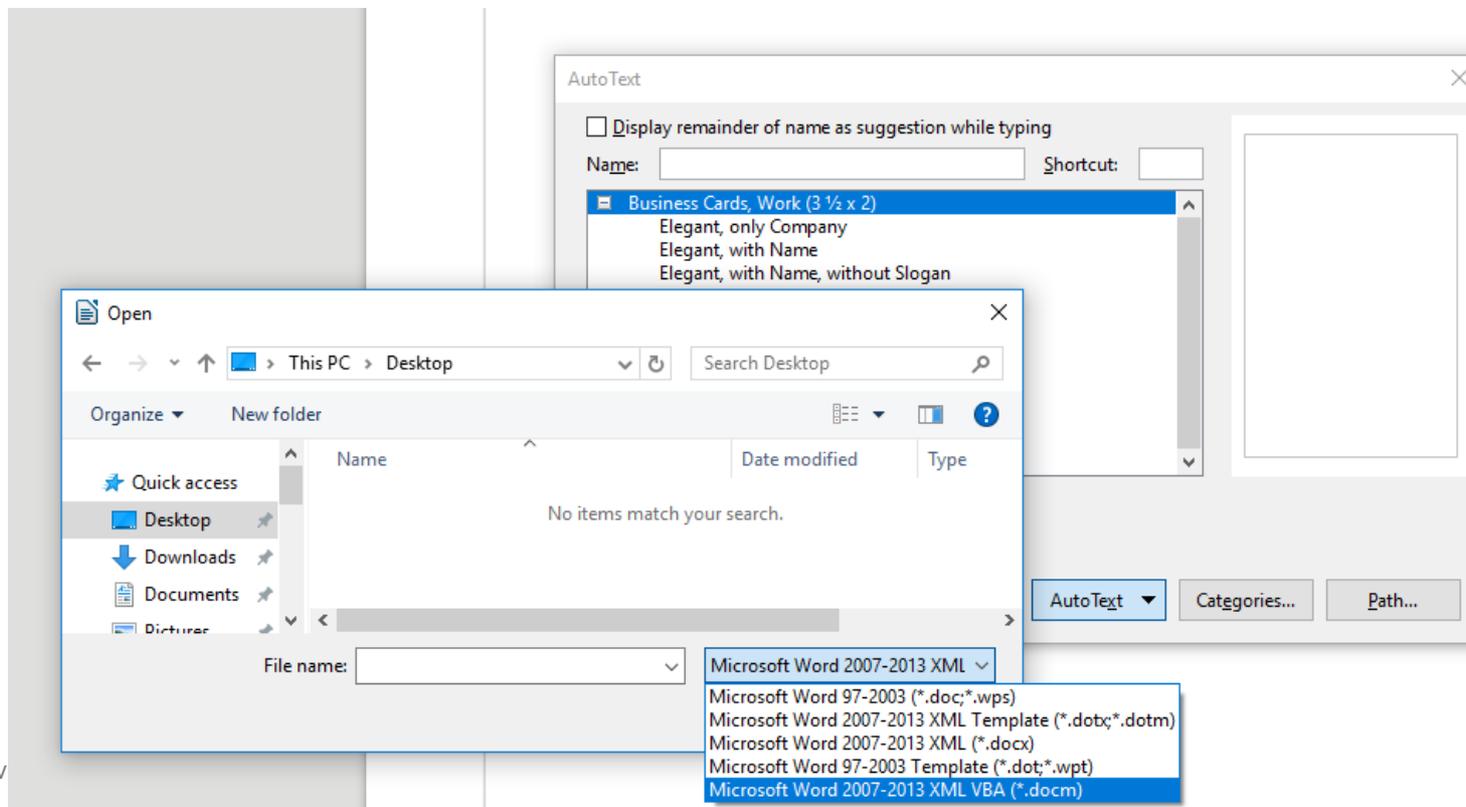
- VBA → Starbasic  
same cost as
- Improve VBA  
interop.  
→ huge win.



# AutoText import

Originally only .DOC/.DOT format was supported

MS Word 2007 and newer saves AutoText in OOXML (.DOTM) format → now supported for import.



# Open & Metric compatible fonts

## Font metrics are embedded into documents

- We work hard to bundle and map metric compatible fonts

Microsoft Office font	Compatible Open Font
Arial	Liberation Sans
Times New Roman	Liberation Serif
CourierNew	Liberation Mono
Arial Narrow	Liberation Sans Narrow
Cambria	Caleda
Calibri	Carlito
Symbol / Wingdings / Webdings	OpenSymbol + mappings

# Windows Deployment bits ...

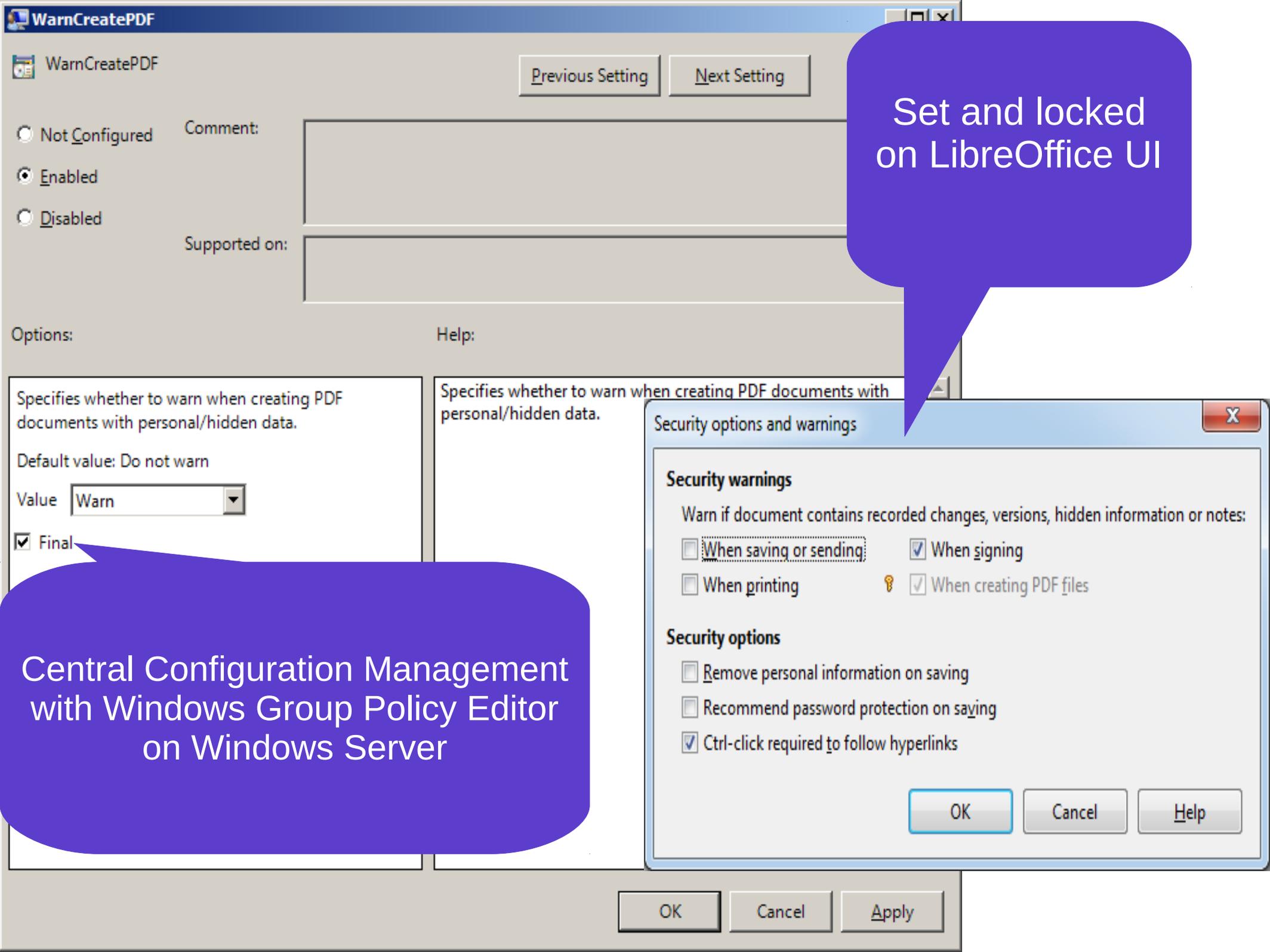


## SCCM ?

- Yes it works → MSI (MSP available for Collabora Office...)
- Also - SMS Server, Novell ZENWorks, IBM Tivoli, Citrix, etc.

## Group Policy / Management

- Yes - ADMX templates available here:  
<https://www.collaboraoffice.com/windows-group-policy-admx/>
- Translated - but more options are most welcome
- Can change default file formats → but don't do that ...



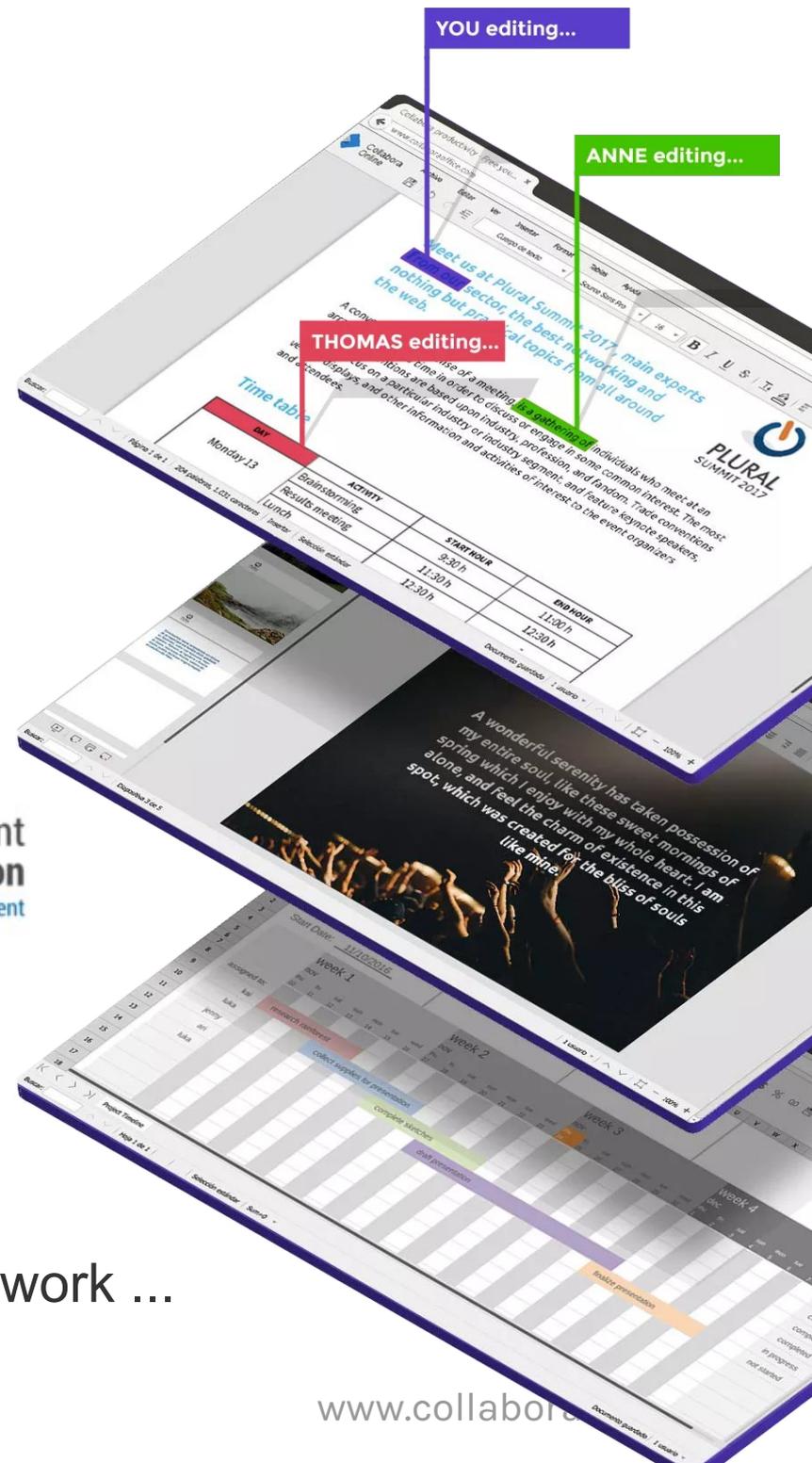
Set and locked on LibreOffice UI

Central Configuration Management with Windows Group Policy Editor on Windows Server

Another way: Online ...

# What is Online ?

- Bringing LibreOffice to the browser.
- Documents + Spreadsheets + Slides
  - Viewing and Collaborative editing
- Interoperability with Microsoft formats
  - DOCX, DOC, RTF, XLSX, XLS, PPTX, PPT
- Import filters / Viewing for  Document Liberation
  - PDF, Visio, Publisher, Keynote, Numbers, Pages +many more
- Powerful WYSIWYG rendering
- **On-premise** hosting.
- Architecture – bet on CPU threads & network ...





# Collabora Productivity

Free your business

The driving force behind putting  
#LibreOffice in the #Cloud.

## Why online ?

- On-premise – control of your data
- On-premise – control of your CPU & network

## Bonus features

- A reduced feature-set sphere – easy to win.
- Document Formats – somewhat less relevant:
- Server / Certification / Revenue model ...

C'bra is investing heavily:



# What it looks like: Writer

The screenshot displays the Collabora Online Writer interface. At the top, there is a menu bar with options: File, Edit, View, Insert, Format, Table, Tools, and Help. Below the menu is a toolbar with various icons for document manipulation, including a save icon, undo, redo, and text formatting options like bold (B), italic (I), underline (U), and strikethrough (ABC). The document title is "Collabora Online.odt".

The main content area shows a document with a dark header. The header contains the Collabora Productivity logo and the text "Collabora Online 3.2". Below the header, there is a paragraph of text:

**Collabora Online:** the enterprise-ready LibreOffice-based Online Office Suite that allows you to stay in control of your own documents, full control of your office files.

LibreOffice is the world's most popular Open Source Office suite with over 200 million users. Collabora, a leading contributor to the project, and developer of the enterprise-ready, Long Term Supported edition of LibreOffice, Collabora Office, has now brought LibreOffice to the Cloud with Collabora Online.

With Collabora Online you now have access to a powerful, enterprise-ready and 100% Open Source Online Office suite functionality, with excellent support for all popular office file formats and

To the right of the document is a sidebar chat window. It shows a list of messages from other users:

- Michael Meeks (Sun Jun 24 2018): Insert ''
- jane (Thu Apr 27 2017): Can we add the version number here too?
- Emily (Thu Apr 27 2017): Great idea! Let's check the rest of the document too, and let's add a link: [collaboraoffice.com](http://collaboraoffice.com)
- Alan (Thu Apr 27 2017): Delete 'control o...cuments.'

At the bottom of the interface, there is a status bar with the following information: Search: [input field], Page 1 of 2, 279 words, 1,908 characters, Standard selection, English (USA), Document saved, 1 user, and a zoom level of 100%.

# What it looks like: Calc

SEO-Dashboard.xlsx - Office - Mozilla Firefox

www.collaboraoffice.com/

File Edit View Insert Cells Help

Calibri 11

=\$Data.E4

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	GuitarShopExample.com		1/1/2016 - 12/31/2016												
2	Top Keywords														
3	Guitar Straps														
4	Bass Guitar Pick														
5	Gibson Acoustic														
6	Marshall Amp														
7	Les Paul Guitar														
8	Gibson Acoustic														
9	Peavey Amp														
10	Fender Black amp														
11	Hollowbody guitar														
12	Mesa Boogie amp														
13															
14															
15															
16		Page	Backlinks		Indexed URLs	URLs									
17			953			637									
18		page-1/	30												
19		page-2/	79												
20		page-3/	97												
21		page-4/	285												
22		page-5/	18												

### SERP Rank

01/01/16 01/04/16 01/07/16 01/10/16

Alan  
04/27/2017

Our top product ranks number 1

- Guitar Straps
- Bass Guitar Pick
- Gibson Acoustic
- Marshall Amp
- Les Paul Guitar
- Gibson Acoustic
- Peavey Amp
- Fender Black amp
- Hollowbody guitar
- Mesa Boogie amp

jane

### Non-Paid Search Traffic

Search	Conversions	Signups
Guitar Straps	38	10
Bass Guitar Pick	236	197
Gibson Acoustic	143	90
Marshall Amp	550	391
Les Paul Guitar	90	37

Dashboard Data

Search:

Sheet 1 of 2 | Standard selection | Average: ; Sum: 0

4 users | 100%

# What it looks like: Impress

The screenshot displays the Collabora Online Impress application interface. At the top, a menu bar includes File, Edit, View, Insert, Format, Table, Slide, Tools, and Help. The title bar shows 'Collabora-Product.odp' and a close button. Below the menu is a toolbar with various editing and presentation controls, including a dropdown for 'Title, Content', a text input 'Carlito', a font size of '18', and icons for bold, italic, underline, strikethrough, text color, background color, bullet points, numbered list, indent, and zoom.

The main content area shows a slide with a blue background. The slide content includes:

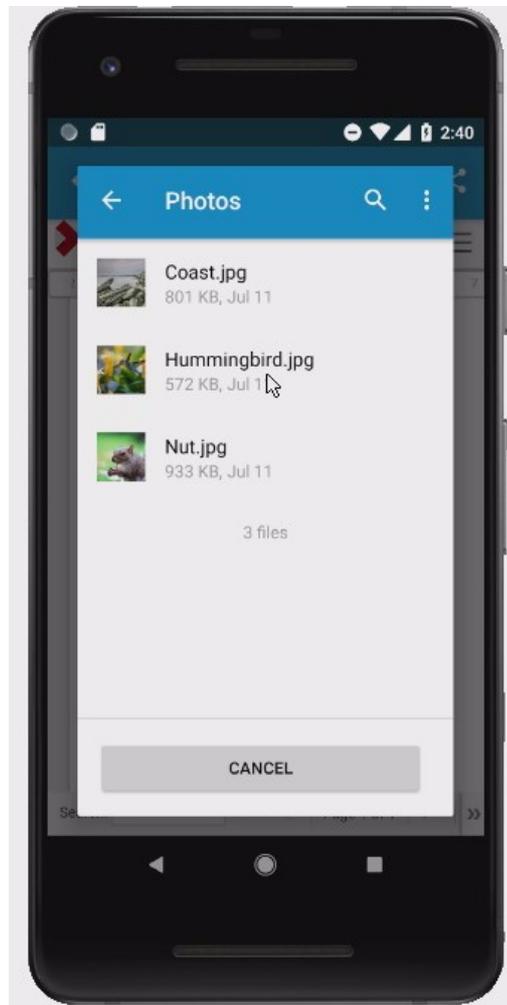
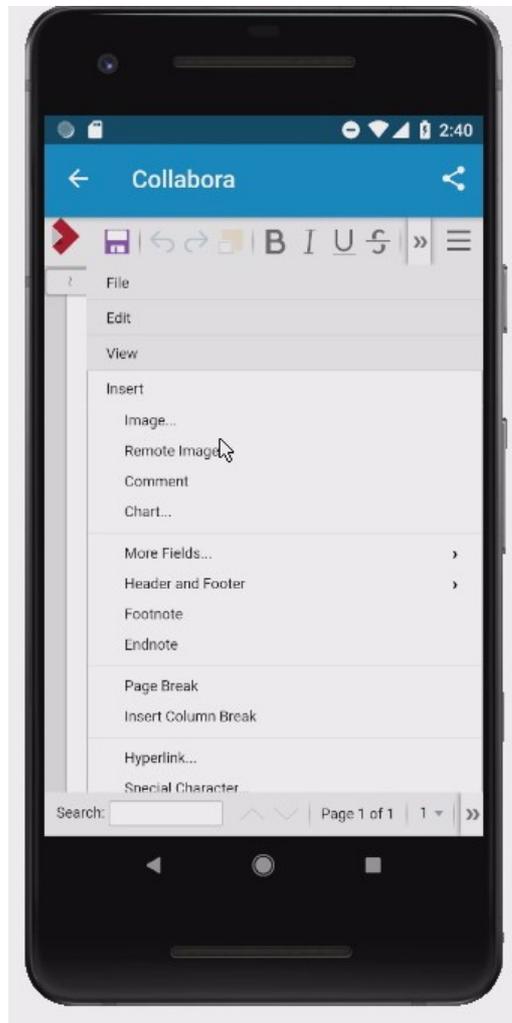
- Collabora Productivity logo
- Collabora Online**
- an overview & benchmark*
- By Michael Meeks  
General Manager  
michael.meeks@collabora.com

On the left side, there is a sidebar with a table of contents and a search bar. The table of contents includes:

- Collabora Online  
an overview & benchmark
- By Michael Meeks  
General Manager  
michael.meeks@collabora.com
- Overview
- Quick About Collabora
- Value Proposition
- Product Overview
- Why Us
- Colc
- Impress
- Insights
- Your call / format  
is a threat.
- About Collabora
- Collabora Ltd.
- Collabora Productivity Ltd.

At the bottom of the interface, there is a search bar, a status bar showing 'Slide 1 of 69' and 'English (UK)', and a footer area with 'Document saved | 1 user' and a zoom level of '58%'.

# Mobile devices ...



- Ongoing work
- Collabora Online responsive UI
- Can we re-target this at Android and iOS ?

# Quick Migration case study: SEHSCT

*a great team there, re-using their slides*

## Current Position with SEHSCT

- Feasibility phase completed – end of March 2018
- Roll-out continuing
  - 1700 staff requiring office productivity software now migrated to Collabora Office
- Cost avoidance **at present** – over **£220,000**
- Target – at least 60% migrated by end of March 2019 (subject to the successful completion of other internal projects)
- Resulting in potential cost avoidance of over **£700,000** (based on 60%)



# Hardware Considerations

- VDI/Zero clients
- Chromebooks
- ipads
- PCs
- Laptops



# Service Desk Calls 01/06/18-31/08/18

42 infra calls recorded in Total			42
Training Issues	24		57%
IT issues(not related to Collabora Office)	9		21%
Collabora Office-related issues	9		21%
<b>78% of calls logged as “Collabora Office” not an issue with the software</b>			



## Communication Strategy

- Information Presentations
- Information Posters
- Collabora Office Sharepoint site
- Information video
- Information gathering meetings
- iconnect page
- Emails



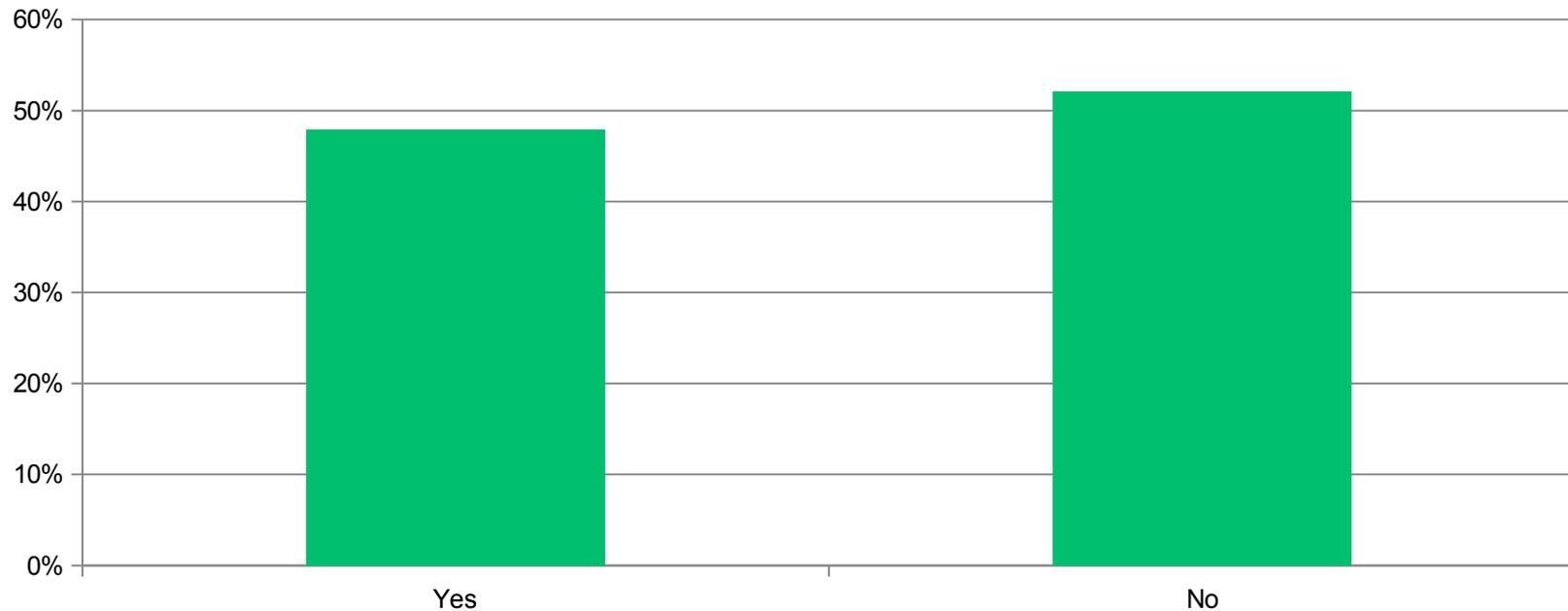
# Training Requirements

- Functionality similar to Microsoft Office applications
- Originally envisaged users would not encounter any great difficulties in adapting
- However skills level of staff overall very poor and so often unable to make necessary editing change to documents as required or how the documents were originally created doesn't allow successful conversion
- Training manuals and quick guides created
- Extensive range of training courses offered
- Only 18% of current Collabora users availed of advertised training yet in survey 47% stated they felt “Not so confident” or “Not at all confident” about using new applications



# User Feedback – Survey Results

**Do you feel confident in making any formatting adjustments required to existing document, eg change margins, insert page breaks, adjust columns?**

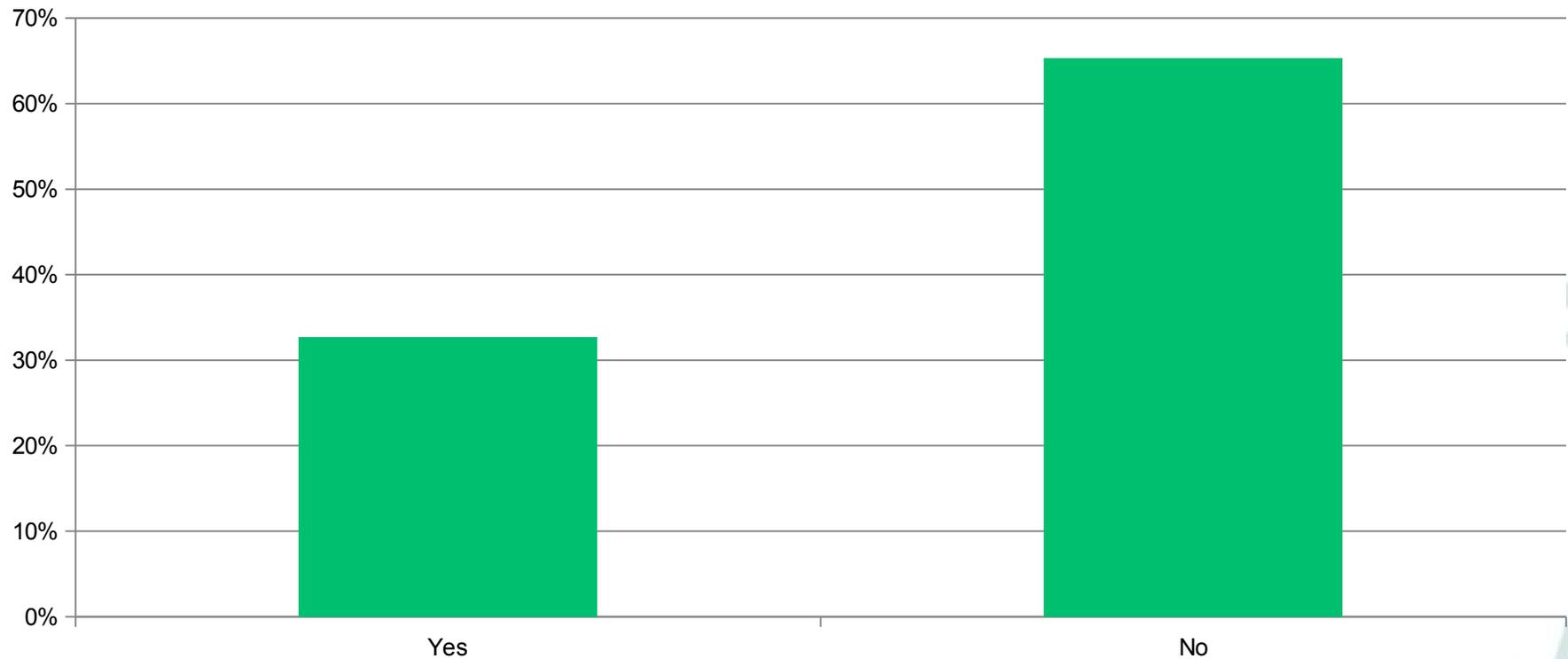


*Half of people don't feel confident with basic formatting ...*



# User Feedback – Survey Results

Do you feel you would need further training in GovOffice?



*But also don't feel they need further training: happy as they are ?*



## Conclusions

- Vast majority of files are compatible between Collabora Office and Microsoft (dependent on quality of original document creation)
- Extremely good partnership between SEHSCT and Collabora
- Willing to modify and enhance software
- Support required to manage change
- User-base need to be provided with sufficient skills
- Ideally team to go ahead of Collabora Office project to check quality of document and standardise processes
- Initial dip in productivity but majority should adapt without issue, if adequately supported and trained



# Sample fixes for SEHSCT

**Interoperability  
corner cases you  
can find if you try.**

# Editing (moving) borders of cells

Collabora GovOffice had a flaw that prevented the rightmost border of table in example file ("Form 0.doc") to be moved using mouse drag.

We resolved this to allow resizing this table normally.

The screenshot shows the Collabora Office application interface. At the top, there is a menu bar with icons for file operations and editing. Below the menu bar is a toolbar with text formatting options (font face, size, bold, italic, underline, strikethrough, superscript, subscript) and a ruler. The main area displays a document with a table. The table has several rows and columns. A tooltip with the text "Adjust table column" is visible over the rightmost border of the table, indicating that the border can now be moved. The table content includes fields like "Home:", "School/Employment:", "Mob:", "Ethnicity:", "Name:", "Address: (if not home)", and "Address:". Below the table, there is a text area with a placeholder "(Inc date of incident, circumstances, injuries, timeframe of incident, others present including siblings etc and any other previous similar type behaviour).".

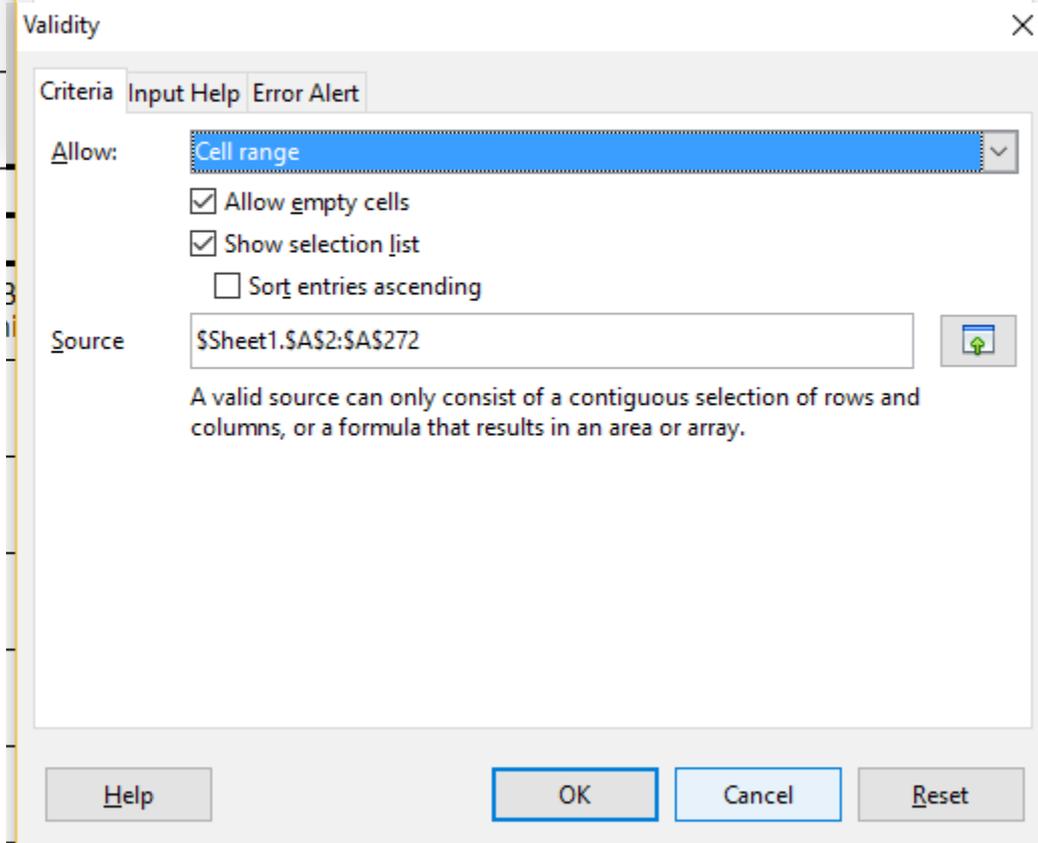
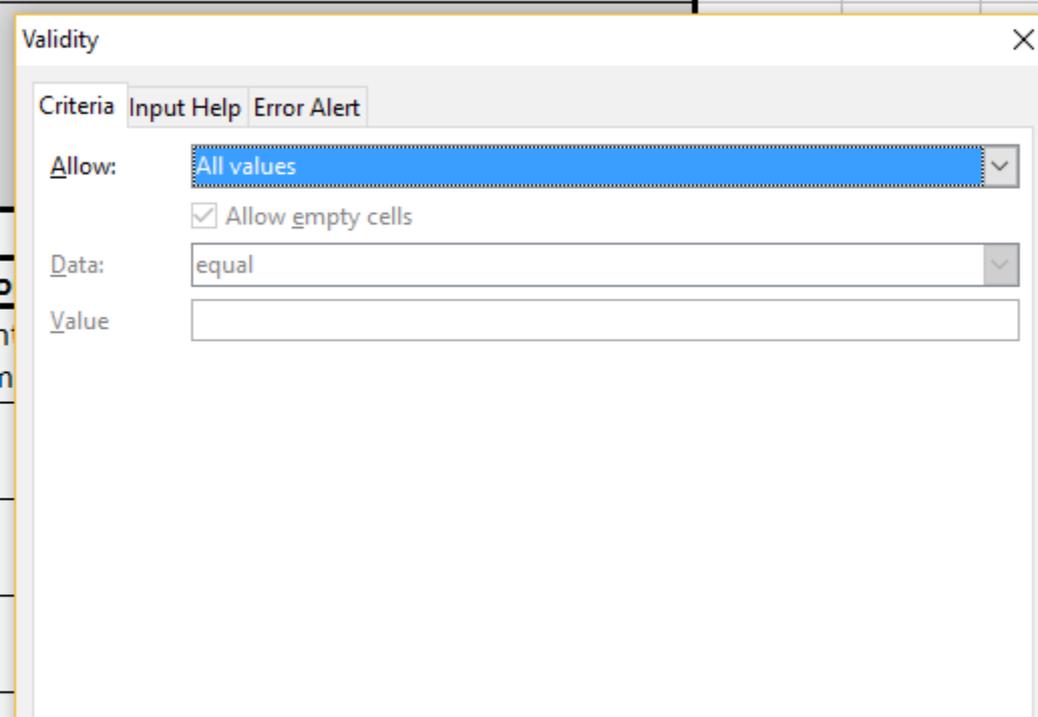
# Excel Validation Sheet drop-down cells

The test document supplied to us used a rare syntax for a feature that we already had: data validity.

Amazing generated files from some internal system: fun !

Using a deprecated pre-ISO / OOXML standardization XML syntax for this.

Now it imports with all required validity criteria information and properly filled drop-down list.(bottom)



# Cross-page table re-flow

The test document contained a table with a cell whose minimum height was greater than page height.

Collabora GovOffice's response - was to do the 'obvious' thing - which is ?

Now behaves in an interoperable way.

Informatics Programme - Directory Capacity Report - Nursing Primary Care and Older People

Nursing Primary Care and Older People - Current Use of ICT Capacity 11 / 11

In-Progress-Projects - (Sorted-By-Priority)

Project Name	Project Description	Project Priority	Rank Order	ICT Scope	Latest High/Low Status Report	Date of Status	Project RAG
ICT_PMO_e-NISAT Roll-Out	Electronic version of NISAT forms PM - Julie Murphy	1	1	2	<p><b>Key Achievements</b></p> <ul style="list-style-type: none"> <li>v8 testing completed and submitted to BSO</li> <li>A Survey Monkey type questionnaire will be set up for Practitioners and Managers to gain feedback on eNISAT engagement. Tony is to promote this and encourage completion of the survey among staff and managers in the Trust between mid-October and end November 2016.</li> <li>A Focus Group with Trust TIGs to identify Benefits and Dis-Benefits realized from the project. This is to take place around the end of September though Tony has not had a confirmed date for this at present.</li> <li>A possible forth strand comprises a repeat of the quality audit of eNISAT assessments carried out in 2015. Sarah suggested that this would be beneficial at Trust level with SET if not required as part of the Post Project Evaluation. Tony to take this forward.</li> <li>Next eNISAT Steering group scheduled for 15th November. Status to be updated after this date and arrangements made for project closure.</li> </ul> <p><b>Achievements Planned not completed</b></p> <p><b>Focus Next Period</b></p> <p>Project due to close at end of November 2016. - v8 go live on 29th November 2016.</p> <p><b>Reasoning for RAG Status</b></p>	11 Nov 2016	Green
ICT_PMO_CCS Integration with LCD Scheduler	HSCB IS EXPECTING AHP GP REFERRALS TO BE RECEIVED BY TRUST ELECTRONICALLY VIA CCS. CHANGES ARE REQUIRED TO LCD/ SCHEDULER, TO	1	1	2	<p><b>Key Achievements</b></p> <p>Agreed live implementation date with BSO and Yara - 1st November 2016.</p>	31 Oct 2016	Green

Before: nothing

Informatics Programme - Directory Capacity Report - Nursing Primary Care and Older People

Nursing Primary Care and Older People - Current Use of ICT Capacity 11 / 11

In-Progress-Projects - (Sorted-By-Priority)

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ALLOW THIS TO HARREN Requestor - Margaret Moorehead PM - Joanne Beattie					<p>Have confirmed process for the receipt &amp; processing of referrals for each Service with practice and CBO - CBO staff trained and fact sheet for professional staff has been developed - Advice Sheet for each AHP Service developed and forwarded to CCB team.</p>		Green

After: ...

# Tolerate broken OOXML – like MS Word.

3<sup>rd</sup> party application generated a DOCX file, which was invalid OOXML (but Word somehow handled it)

- Practical definition of OOXML – is MS Word’s behaviour.
- Use Carlito (Calibri) as default font when default font is not specified
- Accept “pt” as measurement unit in <w:sz> element of <w:rPr> which should be interpreted as integer only (size in half-points)
- Tolerate multiple final sectPr instances (should be only one)
- Accept <w:br> element as a child of <w:body>
- Tolerate CRLF in OOXML text (convert to space on import)

# Some .DOC and .DOCX with floating tables were imported incorrectly

The screenshot shows a blank document in Collabora Office Writer. The table content is not visible in the main editing area, indicating it was imported incorrectly as a floating table.

The screenshot shows a document in Collabora Office Writer containing a table with the following data:

Project Name	Project Description	Project Priority	Bank Order	ICT Scope	Latest Highlight Status Report	Date of Status	Project RAG	
SCOP Management of GP Out of Hours 2015-2016					Key Achievements Achievements Planned not completed Focus Next Period Reasoning for RAG Status			
Respiratory					Key Achievements Achievements Planned not completed Focus Next Period Reasoning for RAG Status			
SCOP - IPT Care, Older People					Key Achievements Achievements Planned not completed Focus Next Period Reasoning for RAG Status			
Intentional Recruitment					Key Achievements Agreement has been reached regarding an induction programme to include corporate and clinical induction. There will be a total of 25 days for induction including the 10 days for preparation for SSCOs. There are staff attending Northampton Train the Trainer Course on 22 August to see what is required for staff. There will be a train the trainer approach required to support these staff. JGJ have applied to be an SSCO lead partner and the request should have been successful. Achievements Planned not completed Focus Next Period Reasoning for RAG Status	08 Aug 2016		
SCOP - Care Provision SCOP, SCOP					Key Achievements Achievements Planned not completed Focus Next Period Reasoning for RAG Status			
Independent Community Performance Monitoring		2			Key Achievements Achievements Planned not completed Focus Next Period Reasoning for RAG Status			
Social Care Reform Steering Group		2			Key Achievements This is the legal meeting. - Must progress with TEC on Dign. Care / Legal advice re continuity & social issues. - Legal advice & meetings re meals. Achievements Planned not completed The tender TEC being completed this now is responsibility of Dign. Care. Procurement matters for meals still with DGS. Focus Next Period Completing specification for Dign. Care completing meals suite for meals. Reasoning for RAG Status The plan to deliver is right.	30 Sep 2013		
Total Use of Capacity								
Total Current + New Use of Capacity								

Product Management  
interaction:  
some fruit ...  
*“where is the roadmap”* ...



# Time - sheet / spreadsheet issue.

## Extended sheet protections UI

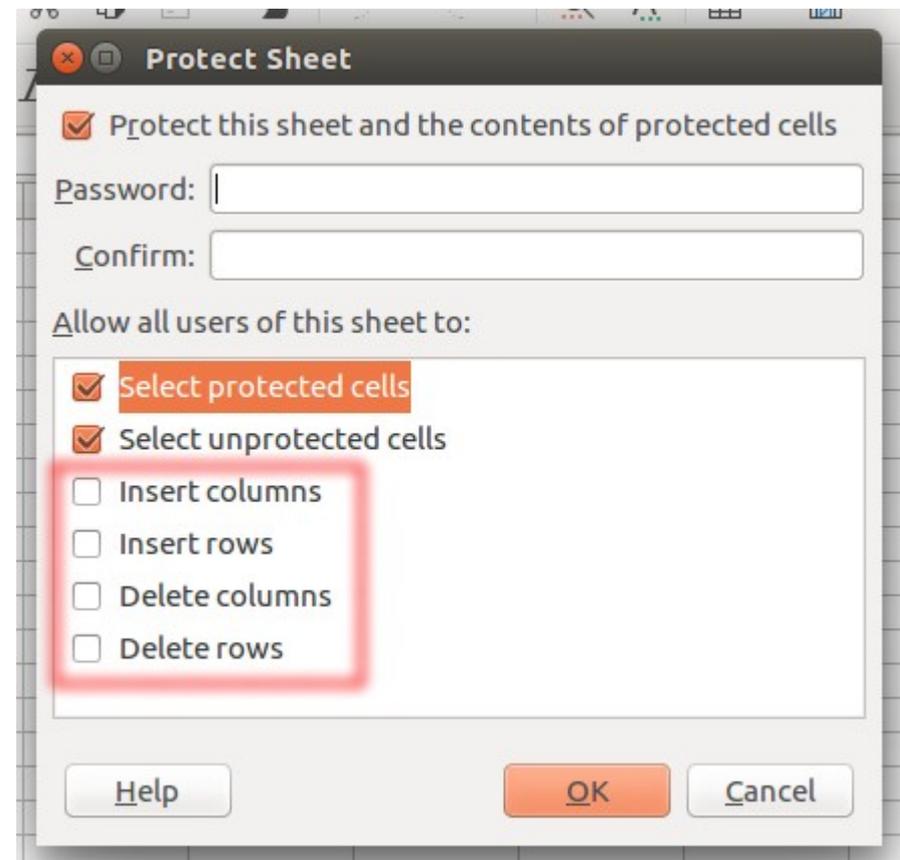
- What a micro-feature !
- We round-tripped this stuff silently

## But ...

- This protected (time) sheet filled by hundreds of users
- Consumed by a financial system with no sense of humour ...
  - **You must delete blank rows!**
- Good for staff to get paid ...

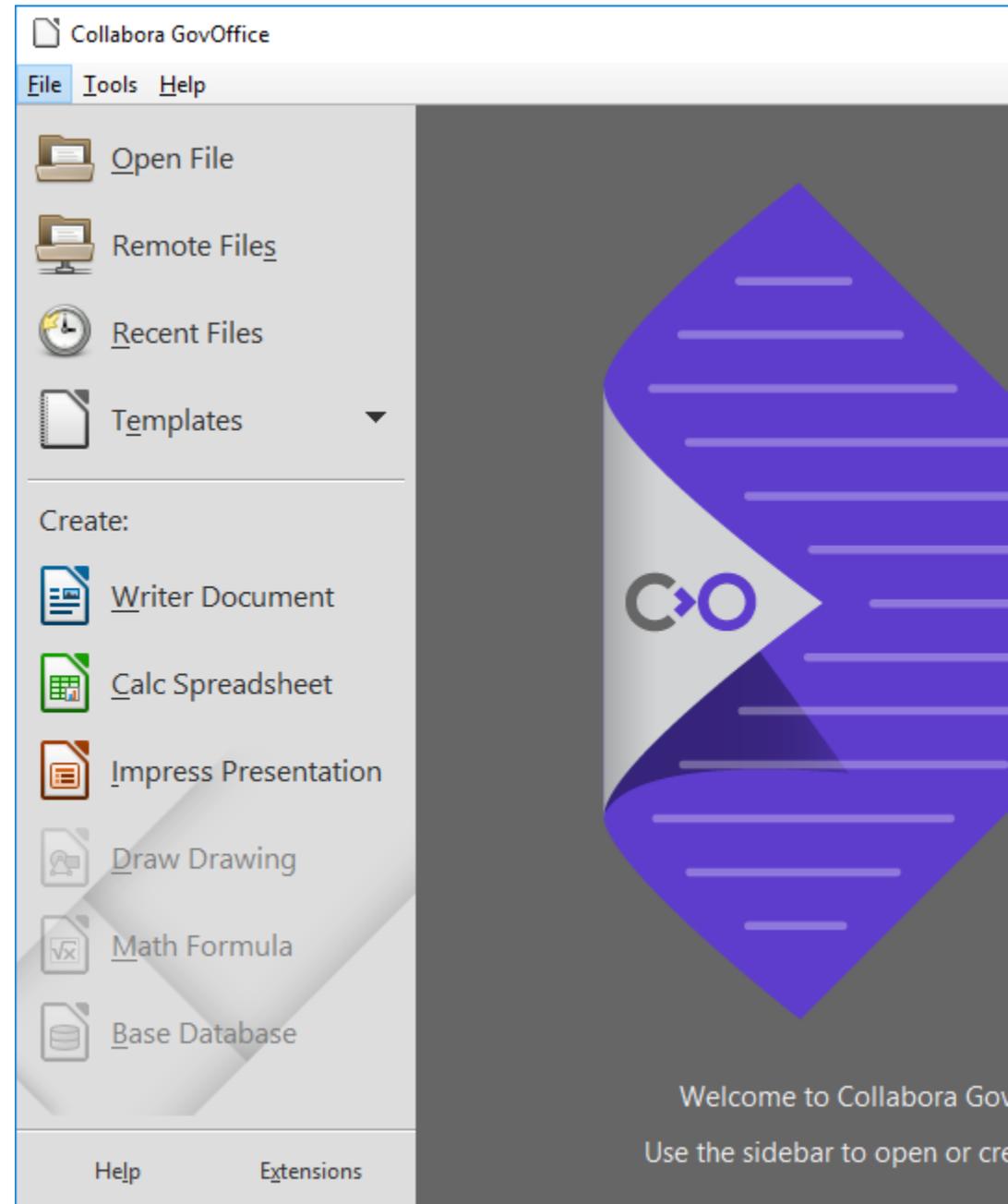
## Added UI options - and UI enforcement.

- ODF extension too ...



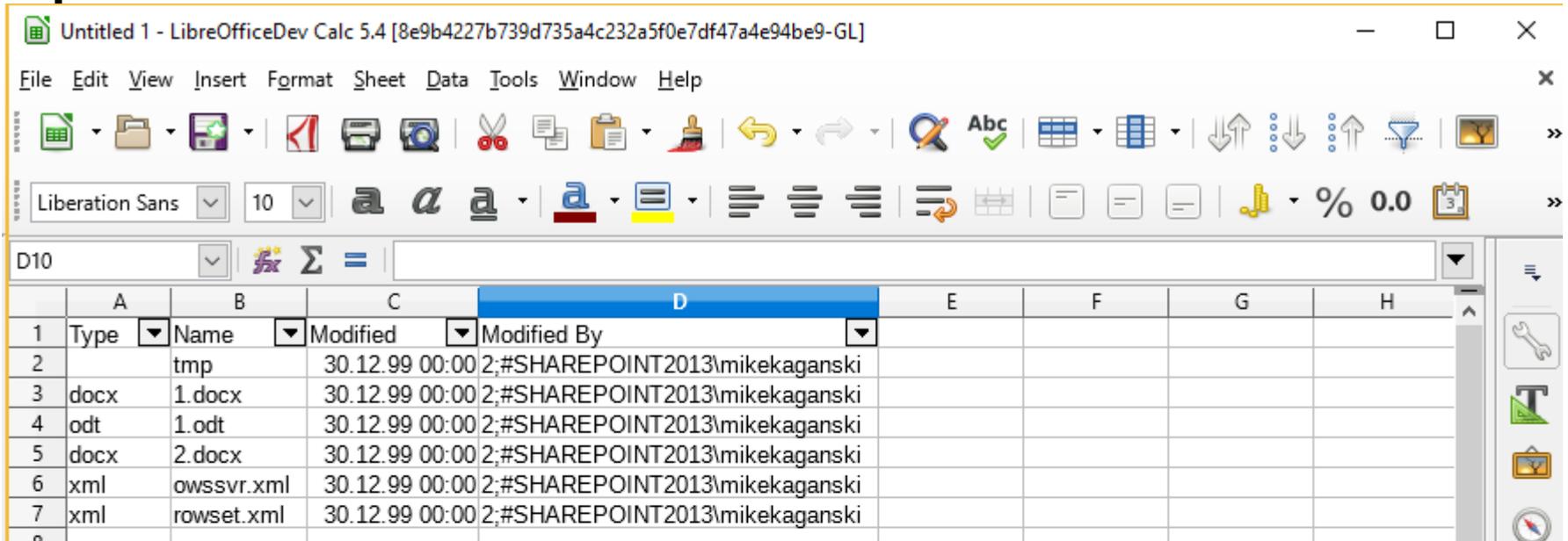
# Customize Windows installer

- **Disable Base, Draw, Math without losing functionality in Writer, Calc, Impress**
- **Collabora provided MST (Microsoft Installer Transform) files that disable Base, Draw, Math user interface.**



# Exporting Sharepoint Lists to Calc

- Collabora GovOffice is handler of .iqy files
- Collabora GovOffice opens the actual link inside the .iqy file
- The MS ADO recordset is opened by an XSLT filter that generates spreadsheet with one sheet with data and autofilters.



Untitled 1 - LibreOfficeDev Calc 5.4 [8e9b4227b739d735a4c232a5f0e7df47a4e94be9-GL]

File Edit View Insert Format Sheet Data Tools Window Help

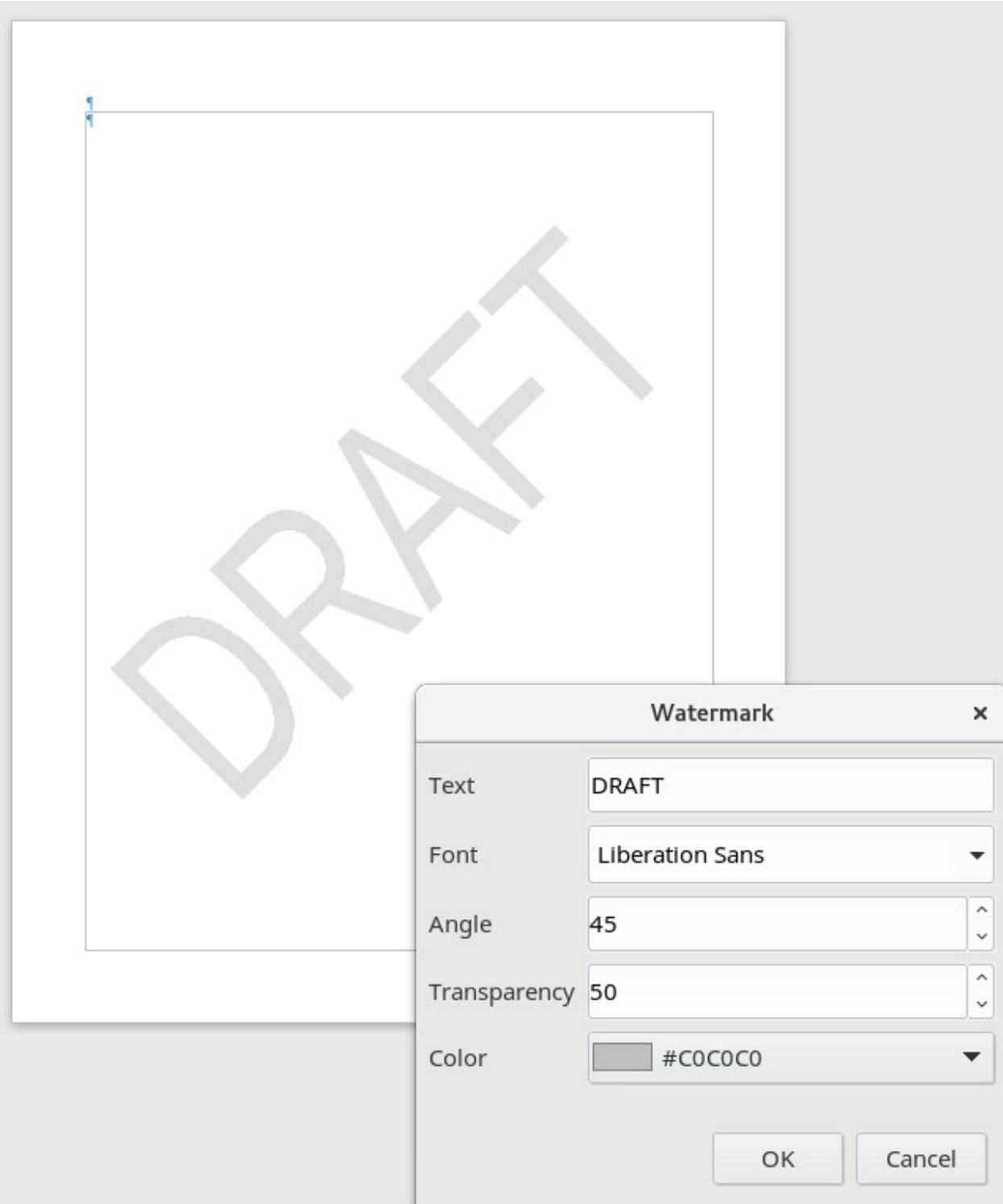
Liberation Sans 10

	A	B	C	D	E	F	G	H
1	Type	Name	Modified	Modified By				
2		tmp	30.12.99 00:00	2;#SHAREPOINT2013\mikekaganski				
3	docx	1.docx	30.12.99 00:00	2;#SHAREPOINT2013\mikekaganski				
4	odt	1.odt	30.12.99 00:00	2;#SHAREPOINT2013\mikekaganski				
5	docx	2.docx	30.12.99 00:00	2;#SHAREPOINT2013\mikekaganski				
6	xml	owssvr.xml	30.12.99 00:00	2;#SHAREPOINT2013\mikekaganski				
7	xml	rowset.xml	30.12.99 00:00	2;#SHAREPOINT2013\mikekaganski				

What happened to Sharepoint Integration in the last year ... - Mike Kaganski – later

# Feature: Insert Watermark

- Custom shape on page background (vector graphics)
- Fully interoperable with MS Word watermarks



# Writer table as Mail Merge Data Source

- Similar feature existed in MS Word
- Collabora developed a data source driver for Writer tables based on the driver for Calc tables

The screenshot illustrates the mail merge process in Collabora Office Writer. The main window shows a document with a table containing salutations and names. A smaller window, titled 'names.odt - Collabora GovOffice Writer', displays the 'Table Contents' dialog, which is a table with columns 'Salutation' and 'Name' and rows for 'Mr. John Doe', 'Ms. Jane Doe', and 'Prof. Dr. Albert Einstein'.

Salutation	Name
Mr.	John Doe
Ms.	Jane Doe
Prof. Dr.	Albert Einstein

# Many Thanks !

## **To South Eastern Health Trust & their team**

- Everything we do is funded by our customers
- They are the real super-stars.
- It takes guts and vision to do the right thing first ...
- A pleasure to work with their team.

## **Thanks to to Crown Commercial Service & Cabinet Office ...**

**In your migration you will have troubles,  
don't worry – certified professionals can  
defeat them with you**

# Why training ?

*with your savings,  
invest in your staff*



# A typical 'bug' in the software:

Headline

He heard quiet steps behind him. That didn't bode well. Who could be following him this late at night and in this deadbeat part of town? And at this particular moment, just after he pulled off the big time and was making off with the greenbacks. Was there another crook who'd had the same idea, and was now watching him and waiting for a chance to grab the fruit of his labor? Or did the steps behind him mean

Headline.....He heard quiet steps behind him. That didn't bode well. Who **WHEN I TYPE**  
**HERE IT BREAKS!** could be following him¶  
.....this late at night and in this deadbeat part of town? And at this particular moment,¶  
.....just after he pulled off the big time and was making off with the greenbacks. Was¶  
.....there another crook who'd had the same idea, and was now watching him and¶

# But I know about Tabs ! ...

Headline → → He heard quiet steps behind him. That didn't bode well. Who could be following →  
→ → → him this late at night and in this deadbeat part of town? And at this particular →  
→ → → moment, just after he pulled off the big time and was making off with the →  
→ → → greenbacks. Was there another crook who'd had the same idea, and was now →  
→ → → watching him and¶

Headline → → He heard quiet steps behind him. That didn't bode well. **NOW I WRITE AND**  
**IT BREAKS STILL.** Who could be following → → → → him this late at night and in  
this deadbeat part of town? And at this particular → → → → moment, just after he pulled  
off the big time and was making off with the → → → → → greenbacks. Was there  
another crook who'd had the same idea, and was now → → → → → watching him and¶

**Hanging indents the hard way !**

**This example courtesy of an experienced lawyer**

## And many more ! ...

**“The key-bindings are very familiar in LibreOffice – eg. Ctrl-B to bold, Ctrl-O to open” ...**

**“there are keyboard accelerators !?”**

**“I have to fill out this long spreadsheet, but have to keep going back to the top to check I’m using the right column ...”**

**“I spend lots of time re-typing documents that arrive in ALLCAPS in lower case – is there an easier way ?”**

**And so it goes on ...**

# Conclusions & Questions

## **Migrating to LibreOffice is just change management**

- You should engage certified developers & migrators & trainers
- Collabora has lots of great Swiss partners – eg. **Adfinis**
- Interact with real engineers, and see real progress on your timeline.

## **Interoperability to taste: ODF or OOXML**

## **Training**

- Improve your staff & discover crazy business process disasters

**Thanks to SEHSCT team for sharing their data ...**

**Contribute with us to an open future.**

*“Migrating to Collabora Office is no different to any other organization change I’ve managed”*

