



Collabora Productivity

How best to migrate to LibreOffice

With some tips from the field ...

Michael Meeks

General Manager at Collabora Productivity

michael.meeks@collabora.com

[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

Sample.odg - LibreOffice Impress

Sample.odg - LibreOffice Base

Sample.odg - LibreOffice Draw

Sample.odg - LibreOffice Calc

Sample.odg - LibreOffice Writer

PROJECT MANAGEMENT APPROACH

Project Timeline

Project Roles and Responsibilities

Role	Responsibilities	Participant(s)
Project Sponsor	<ul style="list-style-type: none">Ultimate decision-maker and tie-breakerProvide project oversight and guidanceReview/approve some project elements	Insert Name
Steering Committee	<ul style="list-style-type: none">Commits department resourcesApproves major funding and resource allocation strategies, and significant changes to funding/resource allocationResolves conflicts and issuesProvides direction to the Project ManagerReview project <u>deliverables</u>	Insert Names

Math Formula

$$x + \frac{\partial f}{\partial y} \frac{dy}{dt}$$


Collabora Productivity

libreoffice@collabora.com +44 1223 362967

Writer – Text Documents

Collabora Online.odt - Collabora Office Writer

File Edit View Insert Format Styles Table Form Tools Window Help

Text Body Liberation Serif 12

Collabora Productivity

Collabora Online 3.3

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 **Supported** edition of LibreOffice, Collabora Office, has now brought **LibreOffice to the Cloud with Collabora Online.**

Can we add the version number here too?

jane
27/04/2017 17:07

Great idea! Let's check the rest of the document too, and let's add a link: www.collaboraoffice.com

Emily
27/04/2017 17:10

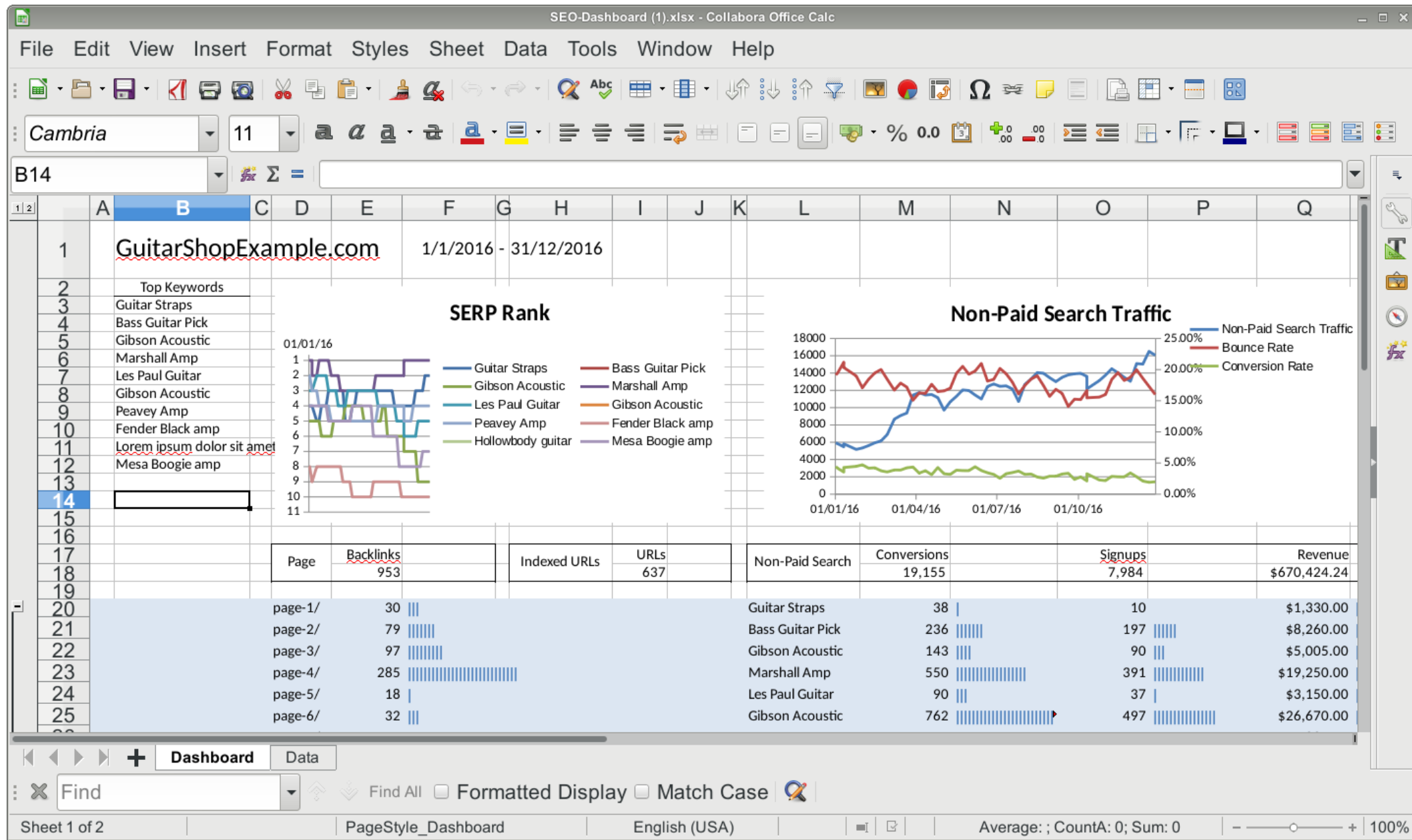
YOU editing...

ANNE editing...

THOMAS editing...

Page 1 of 2 | 280 words, 1,917 characters | Default Style | English (USA) | 130%

Calc - Spreadsheets



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

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

Partner: DELL

130 partners and growing ...

www.collaboraoffice.com

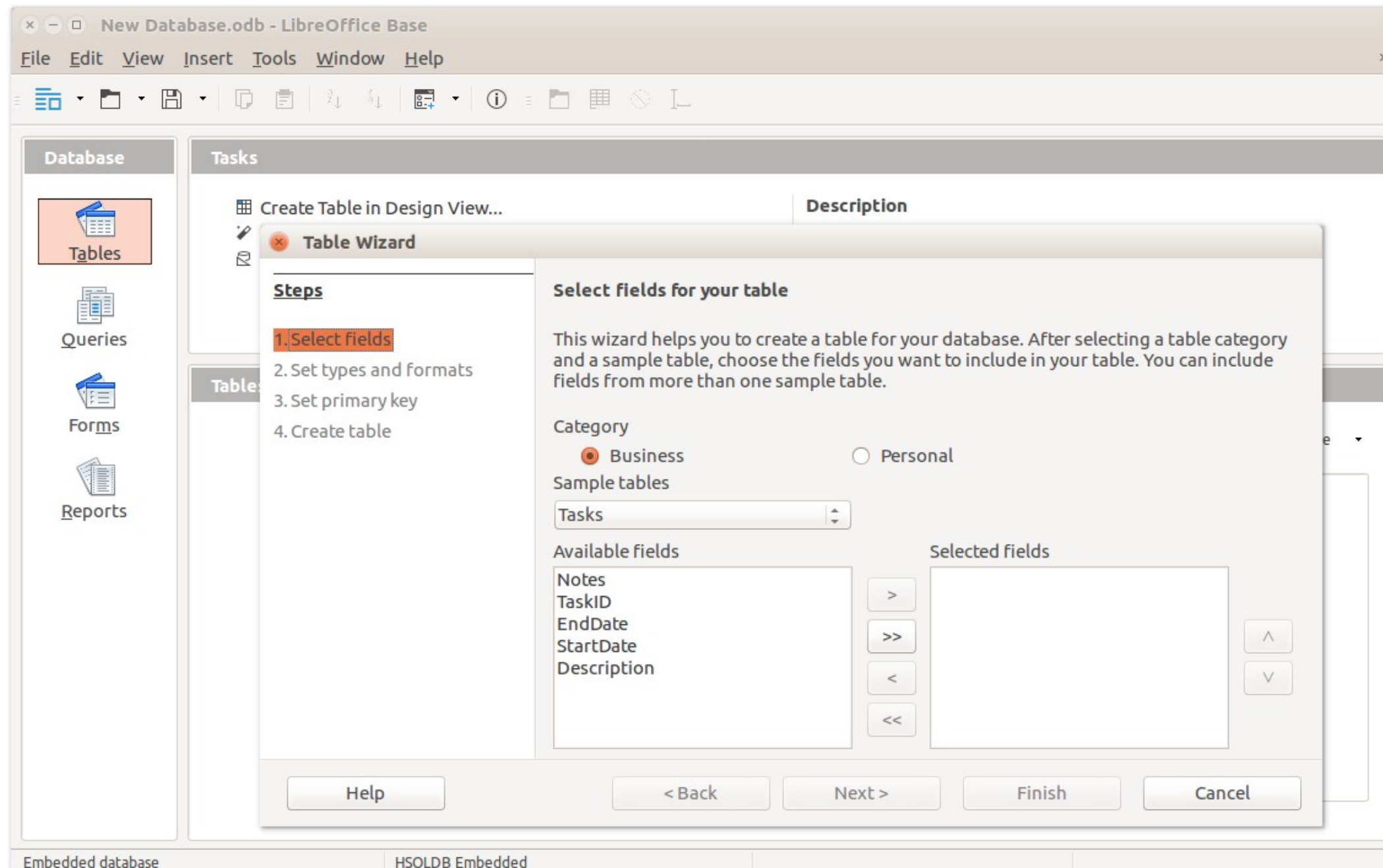
Master Pages

Used in This Pres

Find Find All Match Case

Slide 6 of 37 collabora11 29.24 / 21.67 0.00 x 0.00 English (USA)

Base – a built-in database component.



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



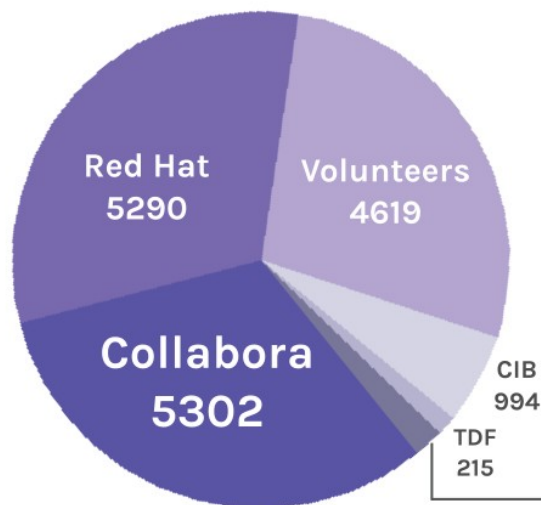
The LibreOffice community

- ~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.



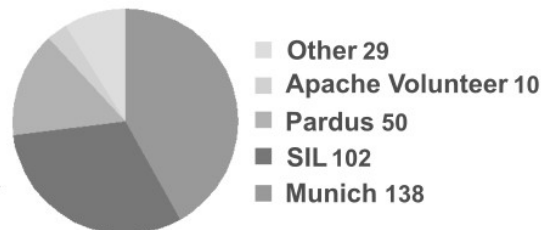
Berlin: Federal Ministry of Economics and Technology

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:

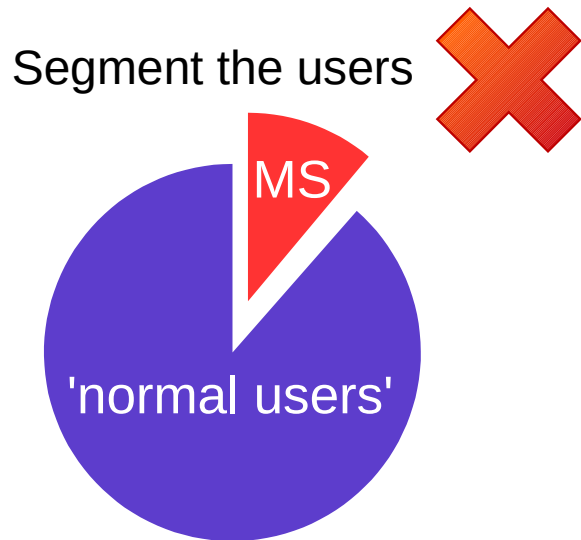
- Certified developers with Long Term Supported versions:
<https://www.documentfoundation.org/gethelp/developers/>
- Certified Migrators
<https://www.documentfoundation.org/gethelp/migrators/>
- Certified Trainers
<https://www.documentfoundation.org/gethelp/trainers/>

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



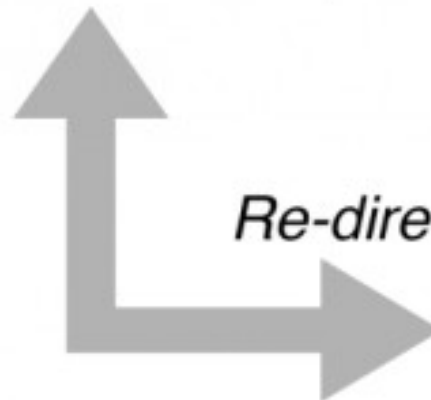
COLEAT

Trace



Word

Re-direct



Collabora Office

Some apps have:

VB5 – Feb 1997

VB6 – mid 1998

Java - ...

Video ...



Collabora Productivity

www.collaboraoffice.com

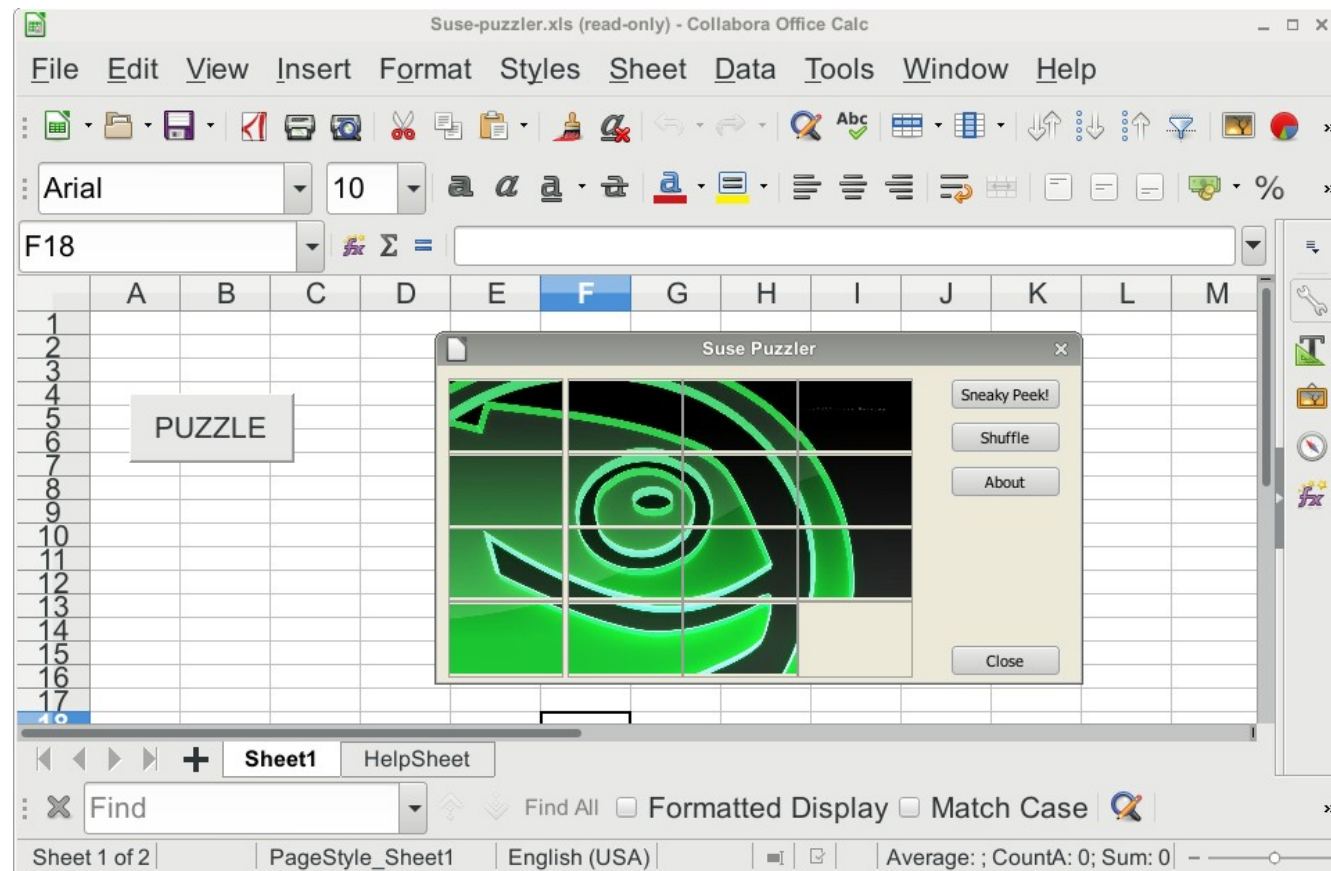
VBA macro interoperability ...

Substantial, incremental work here

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

Cost to fix

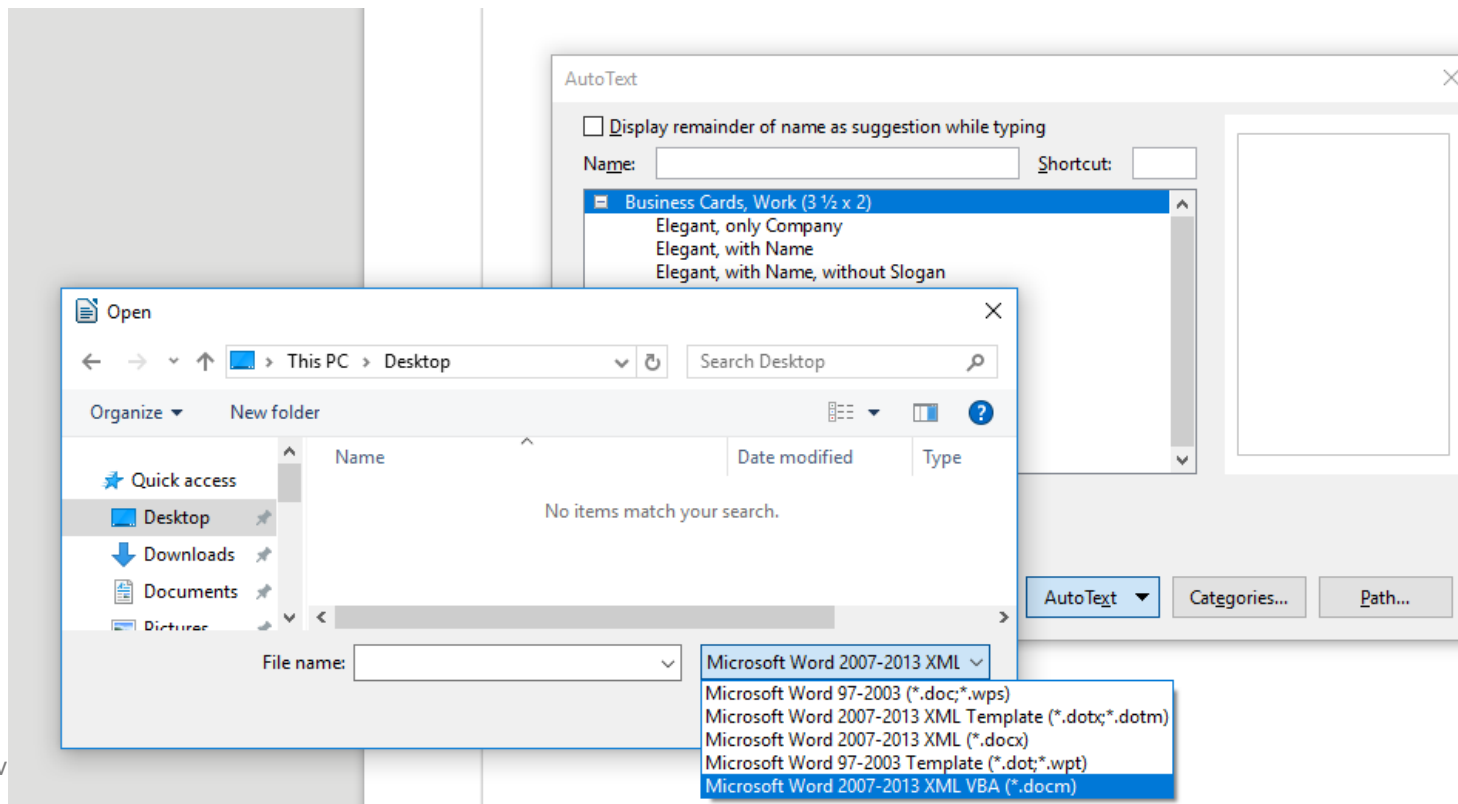
- VBA → Starbasic
same cost as
- Improve VBA
interop.
→ huge win.



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 ...

WarnCreatePDF

WarnCreatePDF

Previous Setting Next Setting

☐ Not Configured Comment:

☒ Enabled

☐ Disabled

Supported on:

Options: Help:

Specifies whether to warn when creating PDF documents with personal/hidden data.

Default value: Do not warn

Value Warn

☒ Final

Specifies whether to warn when creating PDF documents with personal/hidden data.

Security options and warnings

Security warnings

Warn if document contains recorded changes, versions, hidden information or notes:

☐ When saving or sending ☒ When signing

☐ When printing ☒ When creating PDF files

Security options

☐ Remove personal information on saving

☐ Recommend password protection on saving

☒ Ctrl-click required to follow hyperlinks

OK Cancel Help

OK Cancel Apply

Set and locked
on LibreOffice UI

Central Configuration Management
with Windows Group Policy Editor
on Windows Server

Another way: Online ...

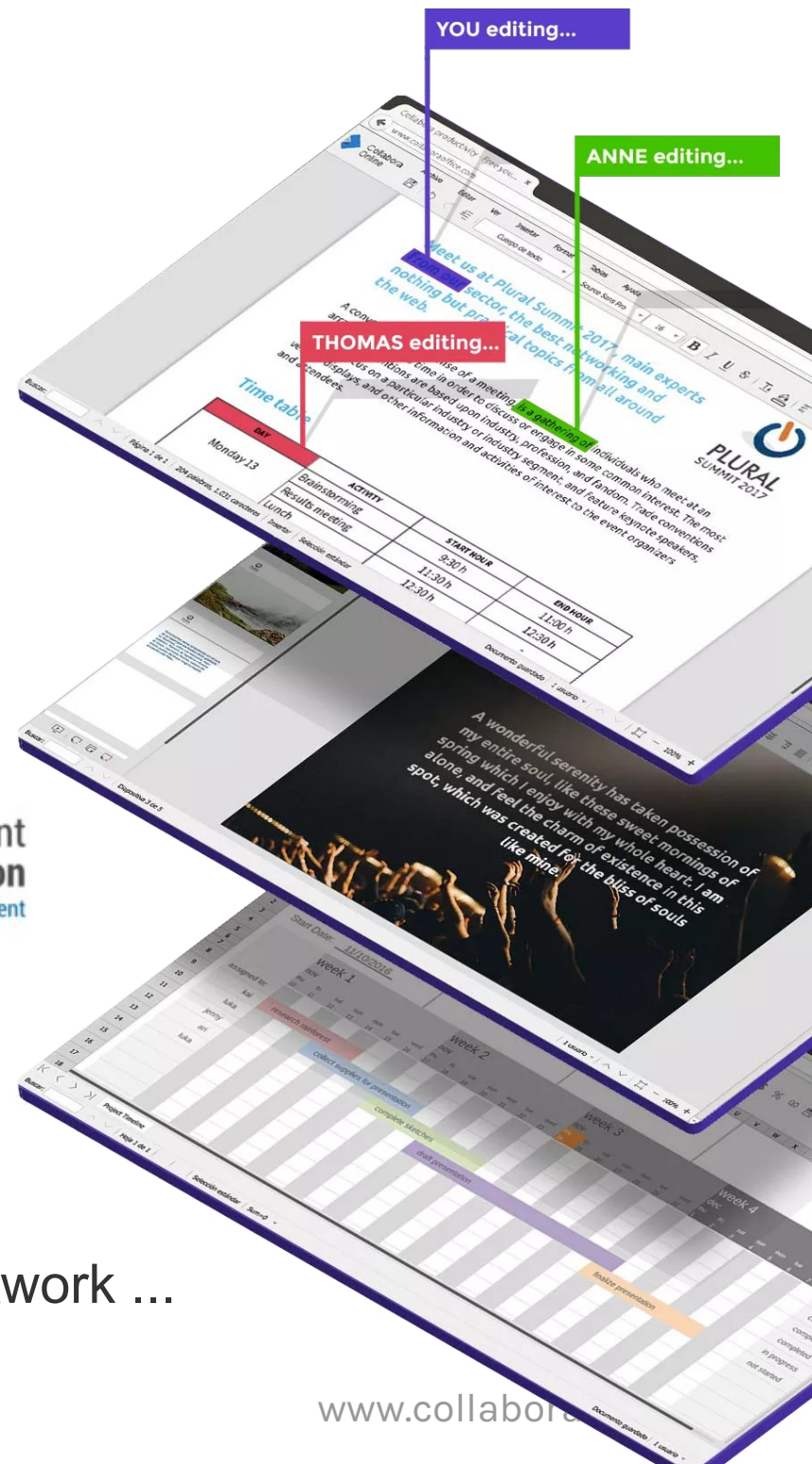


What is Online ?

- 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
 - PDF, Visio, Publisher, Keynote, Numbers, Pages +many more
- Powerful WYSIWYG rendering
- **On-premise** hosting.
- Architecture – bet on CPU threads & network ...



Document
Liberation
Own your content





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. The top menu bar includes File, Edit, View, Insert, Format, Table, Tools, and Help. The toolbar shows various editing and formatting options. The document title is 'Collabora Online.odt'. The main content area features a header with the Collabora Productivity logo and the title 'Collabora Online 3.2'. Below the header, there is a paragraph describing Collabora Online as an enterprise-ready LibreOffice-based Online Office Suite. The text is partially highlighted in blue. To the right of the text, there is a sidebar showing a list of users and their comments. The users listed are Michael Meeks, jane, Emily, and Alan. The status bar at the bottom indicates 'Page 1 of 2', '279 words, 1,908 characters', 'Standard selection', 'English (USA)', 'Document saved', '1 user', and '100%' zoom.

Collabora Productivity

Collabora Online 3.2

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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

Collaborative Editing:

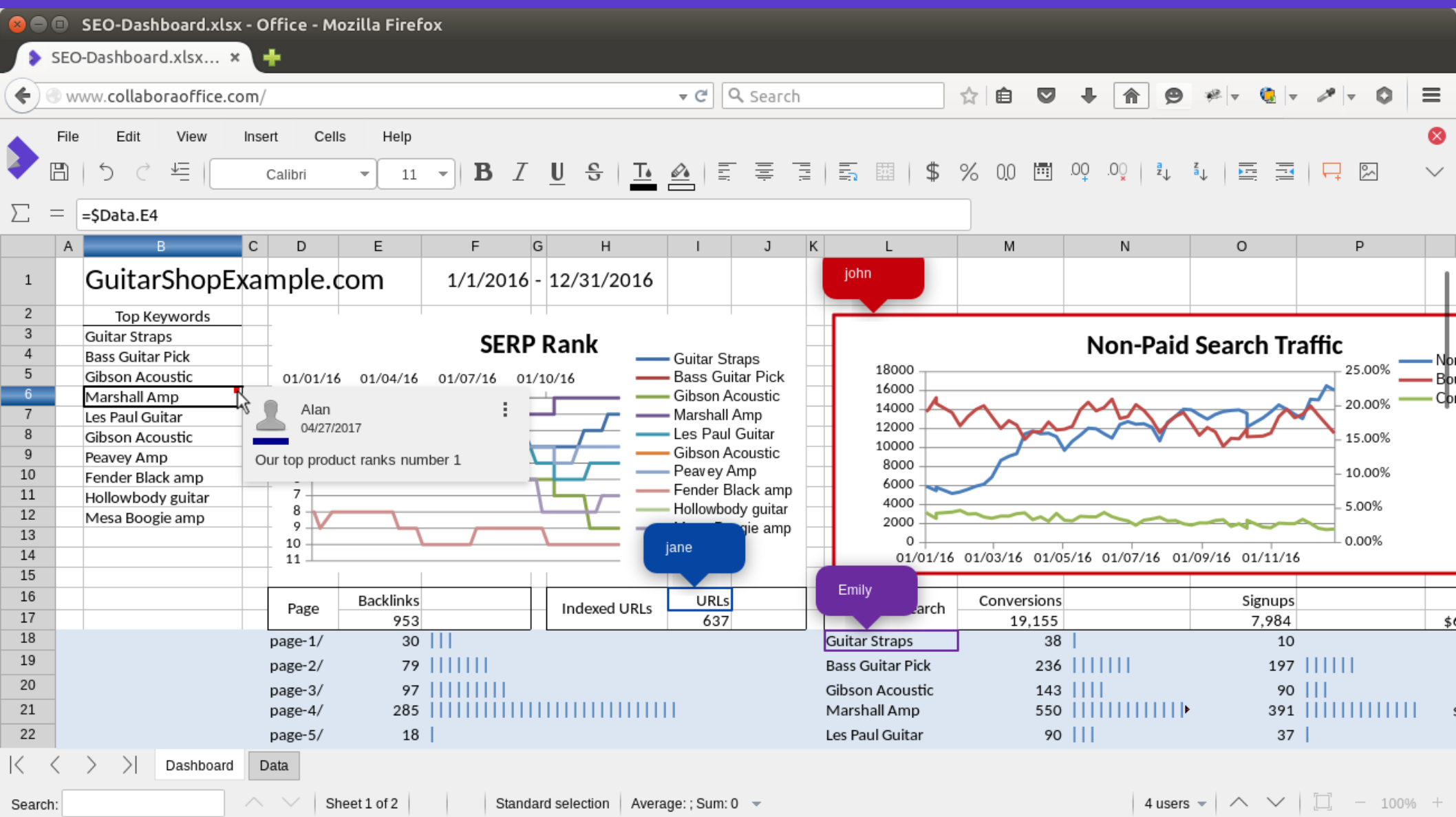
- YOU editing...
- ANNE editing...
- THOMAS editing...

Comments:

- 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
- Alan
Thu Apr 27 2017
Delete 'control o...cuments.'

Search: Page 1 of 2 | 279 words, 1,908 characters | Standard selection | English (USA) | Document saved | 1 user | 100%

What it looks like: Calc



What it looks like: Impress

The screenshot displays the Collabora Online web interface for a presentation. The top menu bar includes File, Edit, View, Insert, Format, Table, Slide, Tools, and Help. The document title is 'Collabora-Product.odp'. The main slide area shows a presentation slide with a purple background. The slide content includes the Collabora Productivity logo, the title 'Collabora Online', the subtitle 'an overview & benchmark', and the presenter's name 'By Michael Meeks, General Manager' with the email 'michael.meeks@collabora.com'. A left sidebar contains a table of contents with sections: Overview, Quick About Collabora, Product Overview, and About Collabora. The bottom status bar shows 'Slide 1 of 69', 'English (UK)', and 'Document saved | 1 user | 58%'.

Collabora Online
an overview & benchmark

By Michael Meeks
General Manager
michael.meeks@collabora.com

Collabora Productivity

Collabora Online
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Overview

Quick About Collabora

Product Overview

About Collabora

Collabora Ltd.

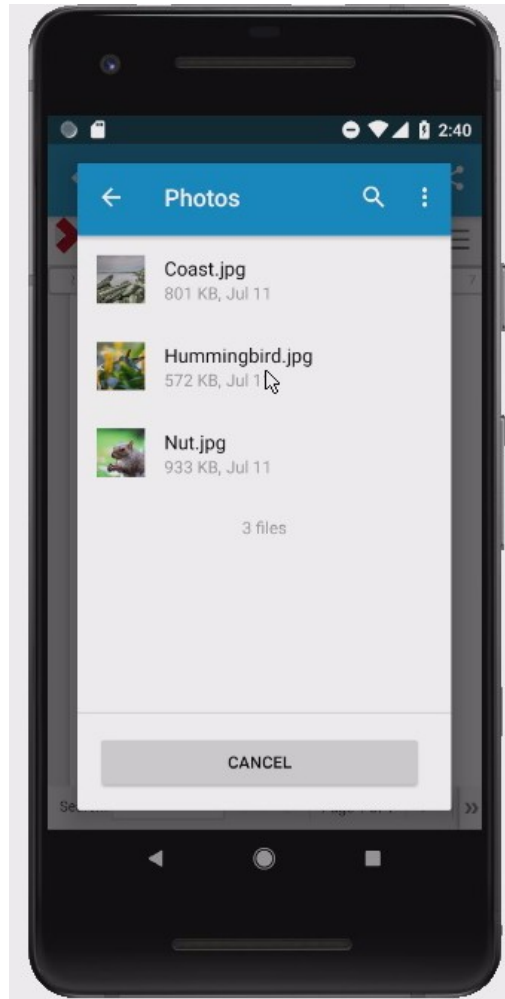
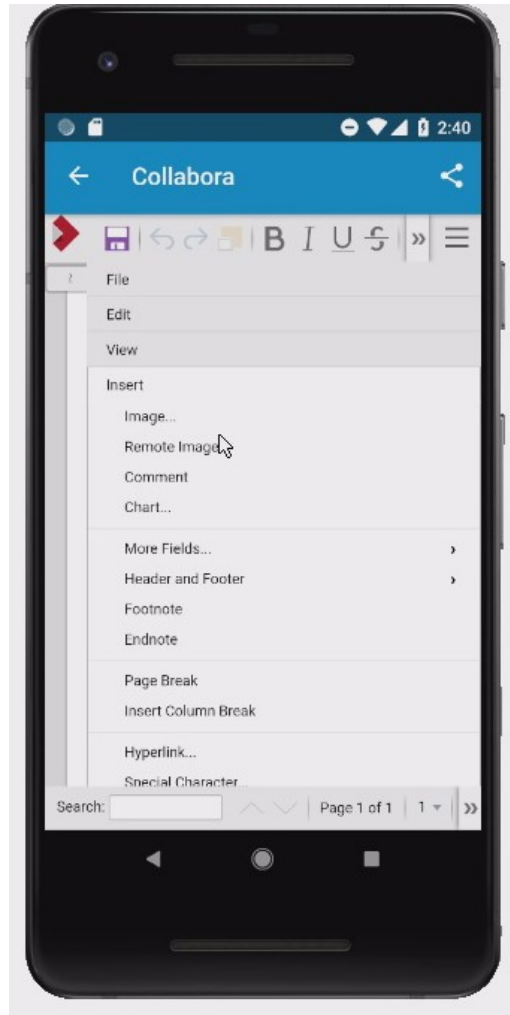
- Leading Open Source Consultancy, based in the UK / Cambridge
- 12 years of experience - 200 People
- Microsoft: Major Open Source the de facto standard in the industry

Collabora Productivity Ltd.

- Spin out of Novus / SUSE (Novus creates / maintains / maintains in 2015)
- ~20 years of experience of Office interoperability

Search: [] Slide 1 of 69 English (UK) Document saved | 1 user | 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%
78% of calls logged as "Collabora Office" not an issue with the software			



Communication Strategy

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



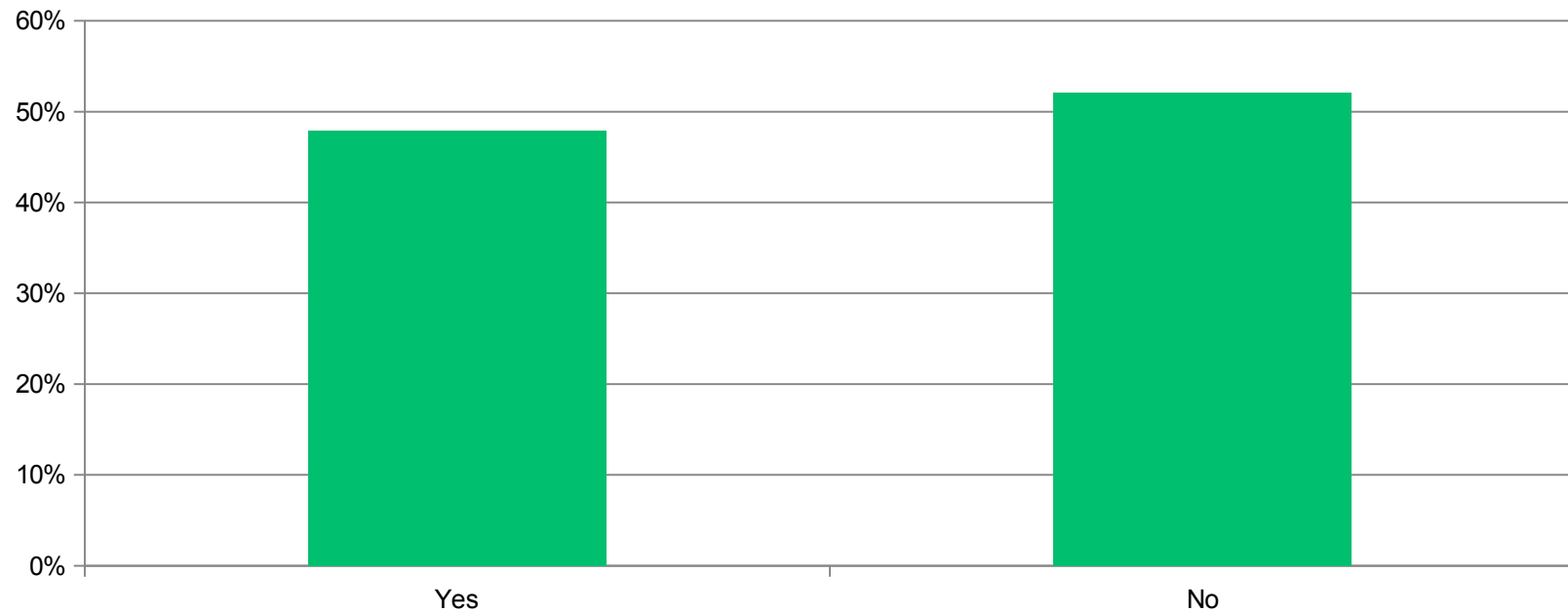
Training Requirements

- 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

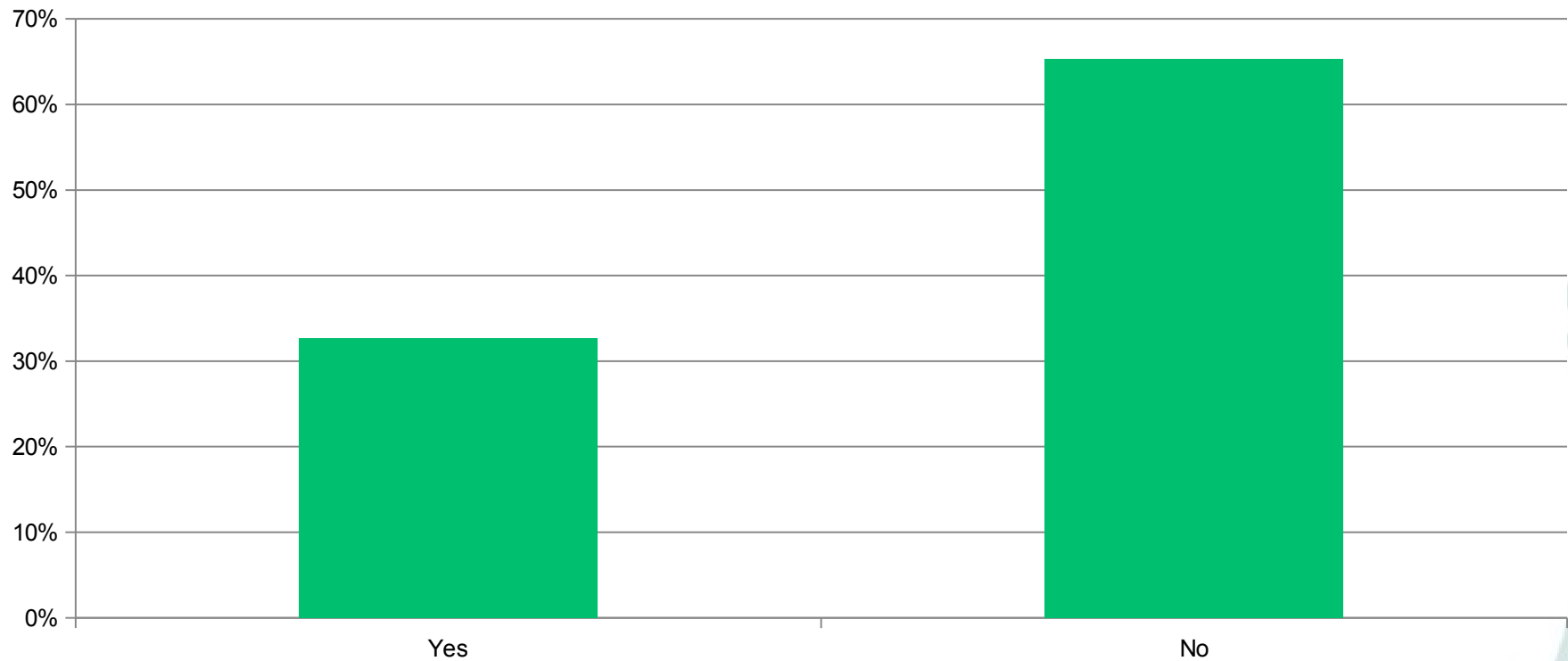
Do you feel confident in making any formatting adjustments required to existing document, eg change margins, insert page breaks, adjust columns?



*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 interface with a form titled "Form 0.doc". The form contains a table with the following structure:

Home:		Mob:	
School/Employment:		Ethnicity:	
Name:		Address: (If not home)	
Name:		Address:	

A tooltip "Adjust table column" is visible over the rightmost border of the table. Below the table, there is a section for "Details of incident or Request/Response" with a text area for "Inc date of incident, circumstances, injuries, timeframe of incident, others present including siblings etc and any other previous similar type behaviour".

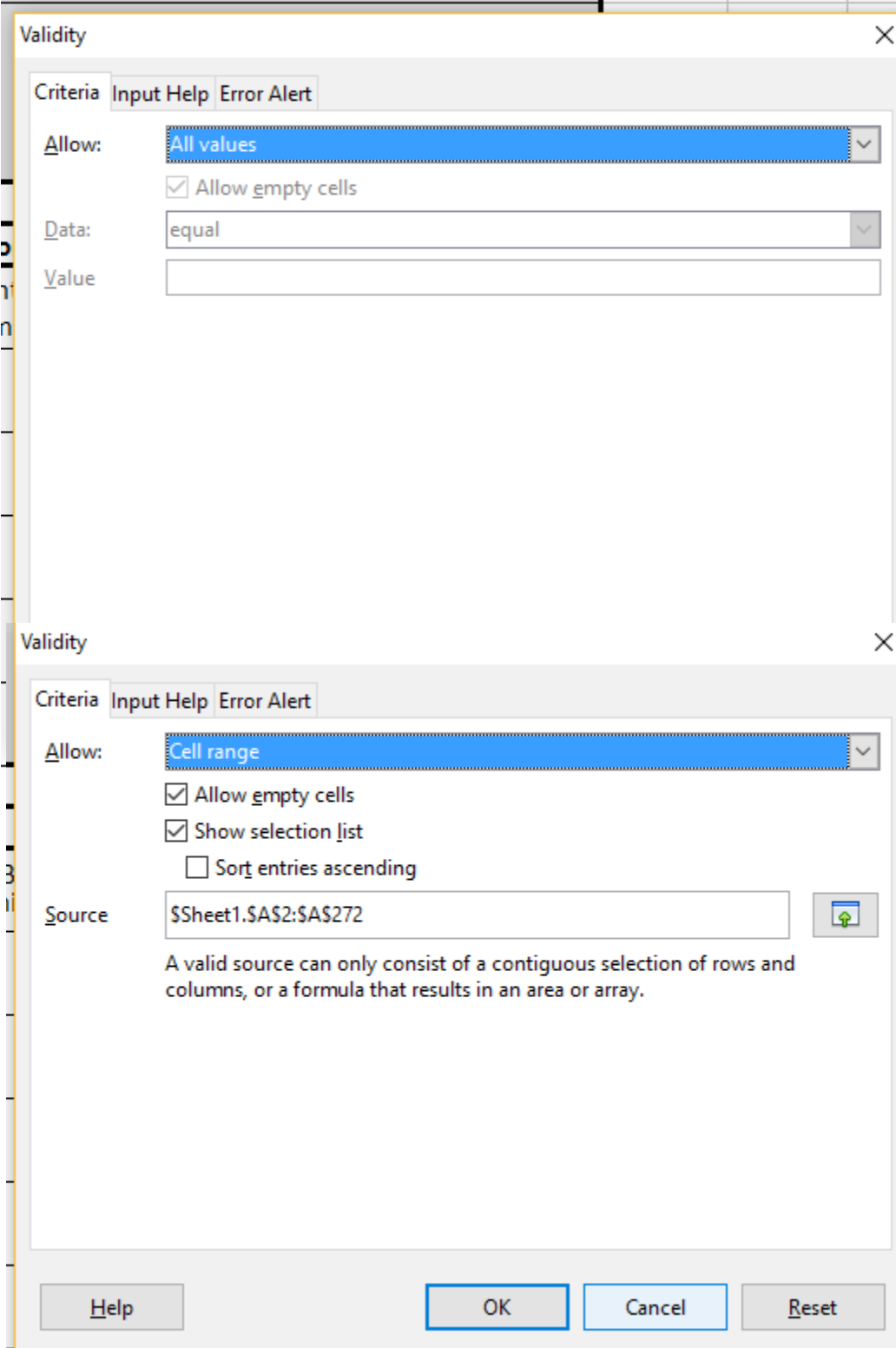
Excel Validation Sheet drop-down cells

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 Highlight 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>Key Achievements</p> <ul style="list-style-type: none"> v8 testing completed and submitted to BSO 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. A Focus Group with Trust TIOs 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. 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 within SET if not required as part of the Post Project Evaluation. Tony to take this forward. Next eNISAT Steering group scheduled for 15th November. Status to be updated after this date and arrangements made for project closure. <p>Achievements Planned not completed</p> <p>Focus Next Period</p> <p>Project due to close at end of November 2016. v8 go live on 28th November 2016.</p> <p>Reasoning for RAG Status</p>	11 Nov 2016	
ICT_PMO_CCG Integration with LCD Scheduler	HSCB IS EXPECTING AHP GP REFERRALS TO BE RECEIVED BY TRUST ELECTRONICALLY VIA CCG. CHANGES ARE REQUIRED TO LCD/ SCHEDULER. TO	1	1	2	<p>Key Achievements</p> <p>Agreed live implementation date with BSO and Yara - 1st November 2016.</p>	31 Oct 2016	

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 HAREN Requestor - Margaret Moorehead PM - Joanne Beattie					<p>Have confirmed process for the receipt & 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 CCG team.</p>		

After: ...

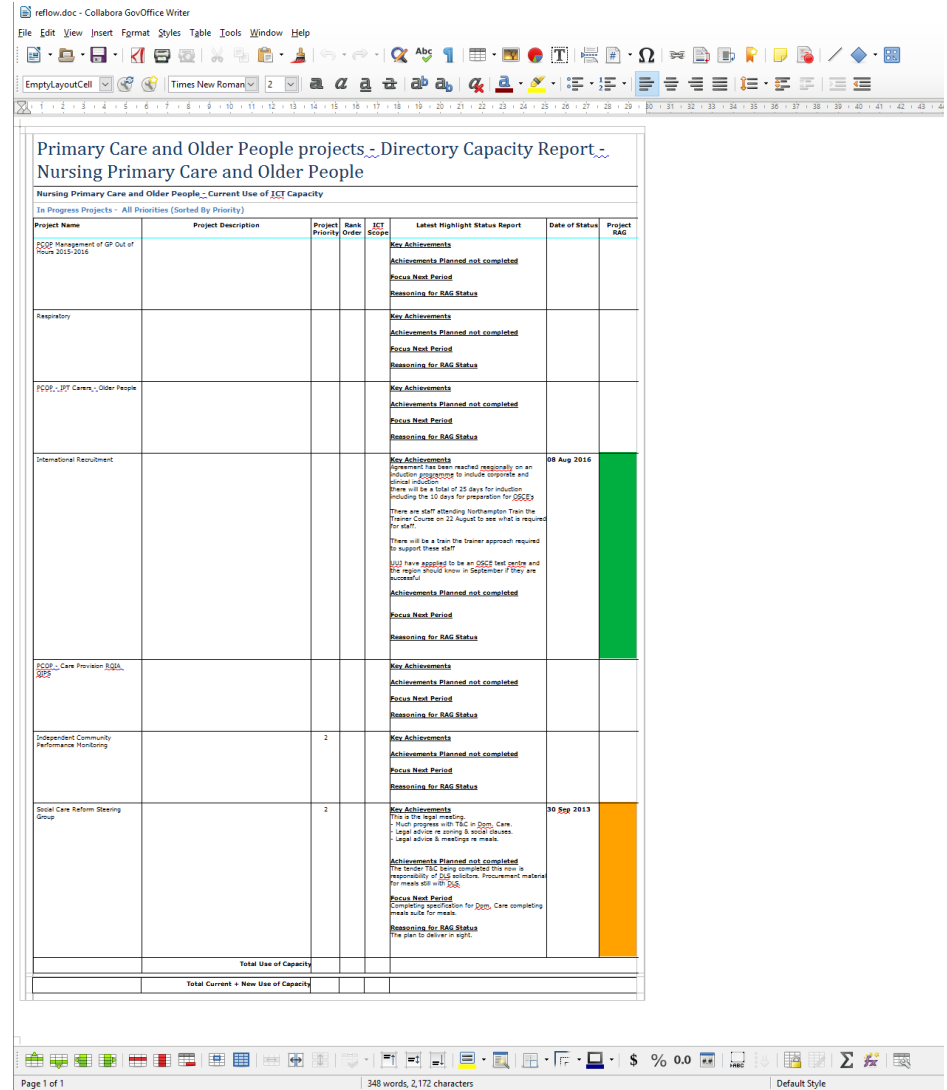
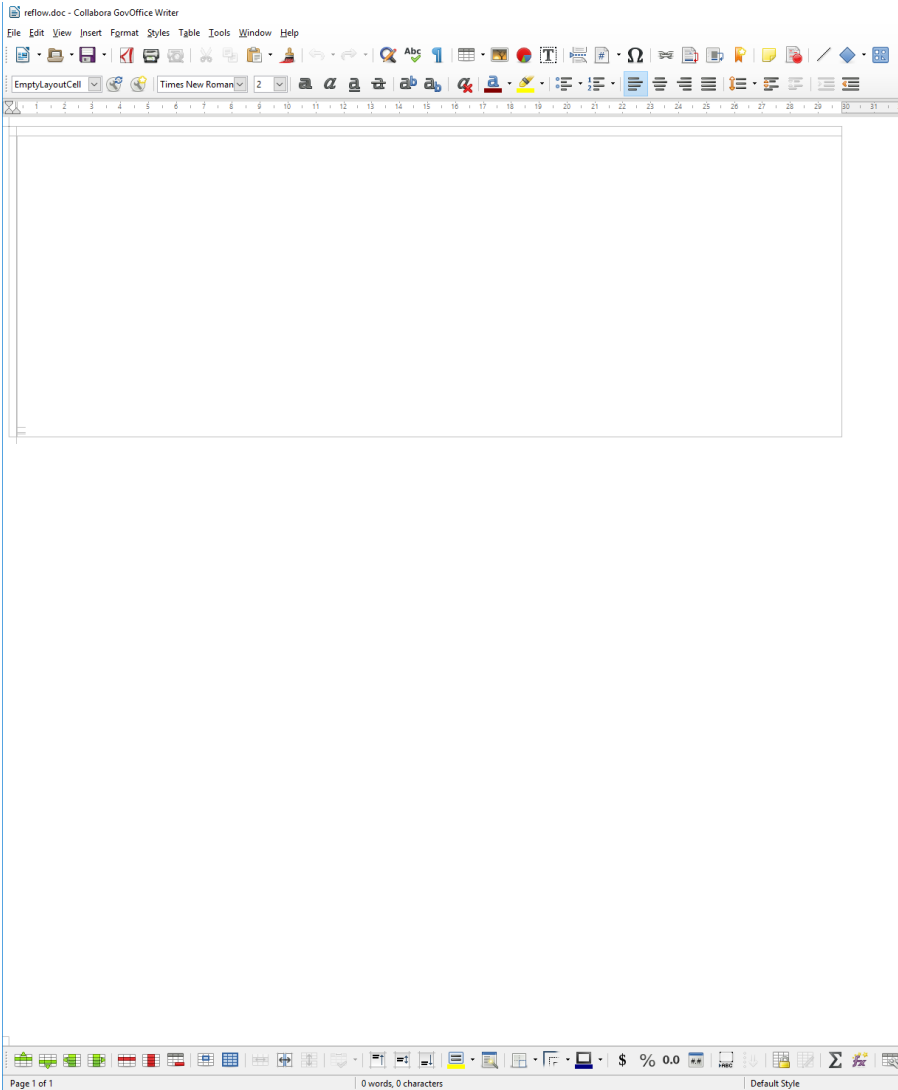
Tolerate broken OOXML – like MS Word.

3rd 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



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 ...

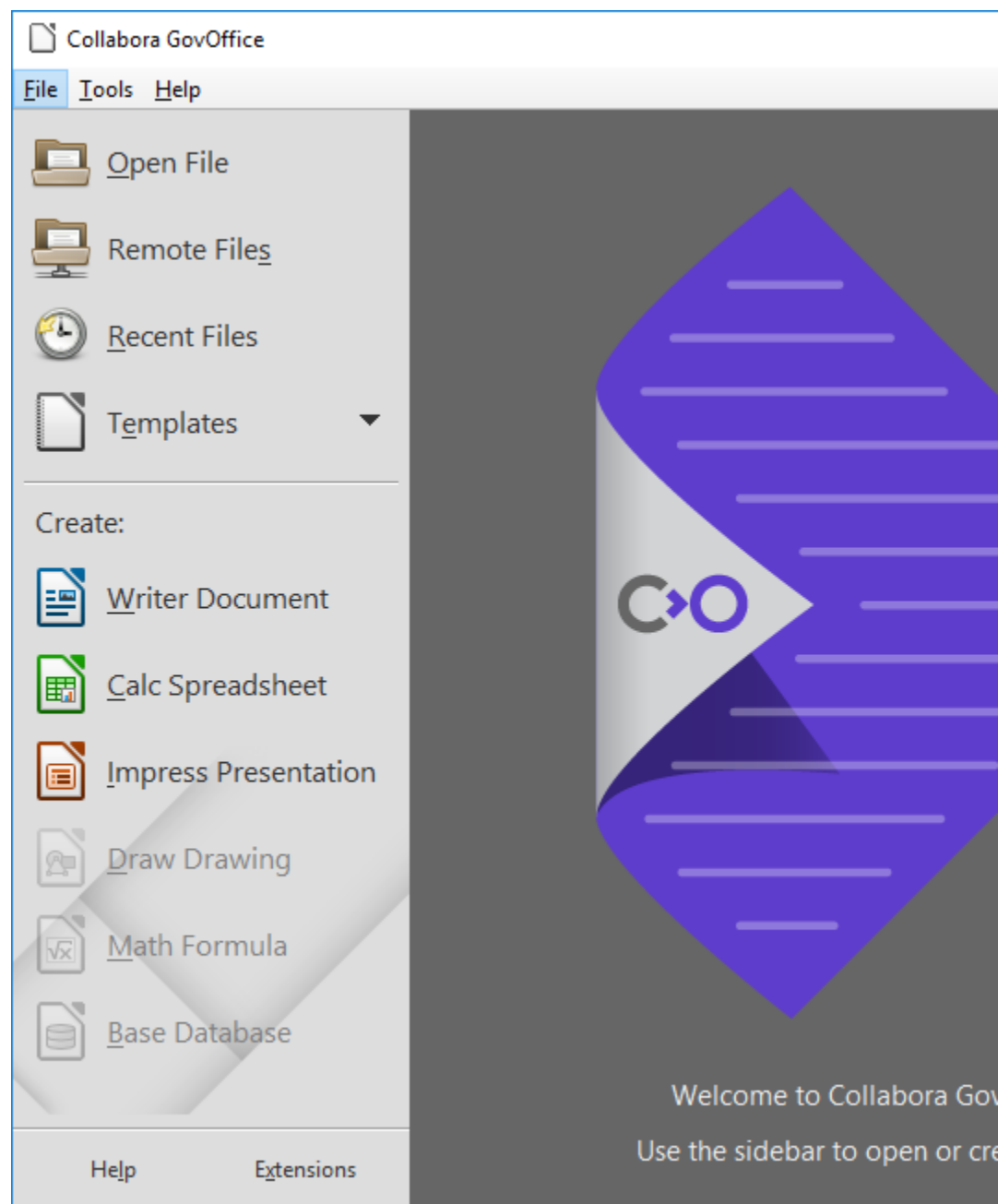
Added UI options – and UI enforcement.

- ODF extension too ...



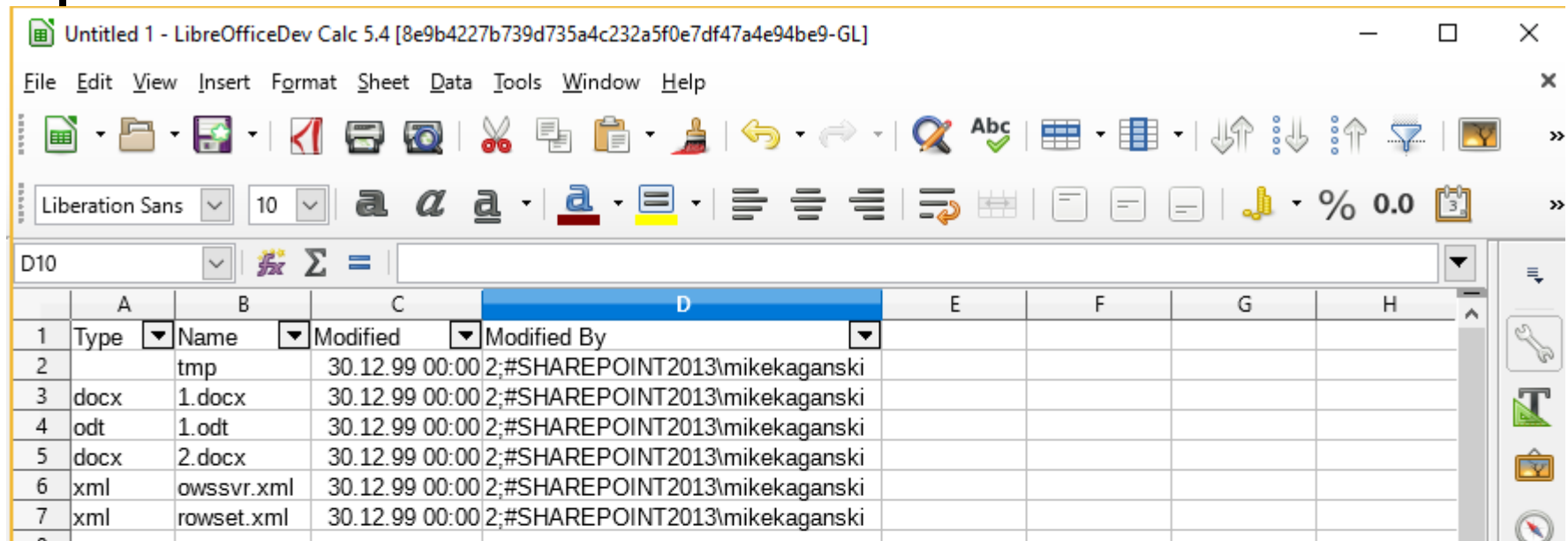
Customize Windows installer

- **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				

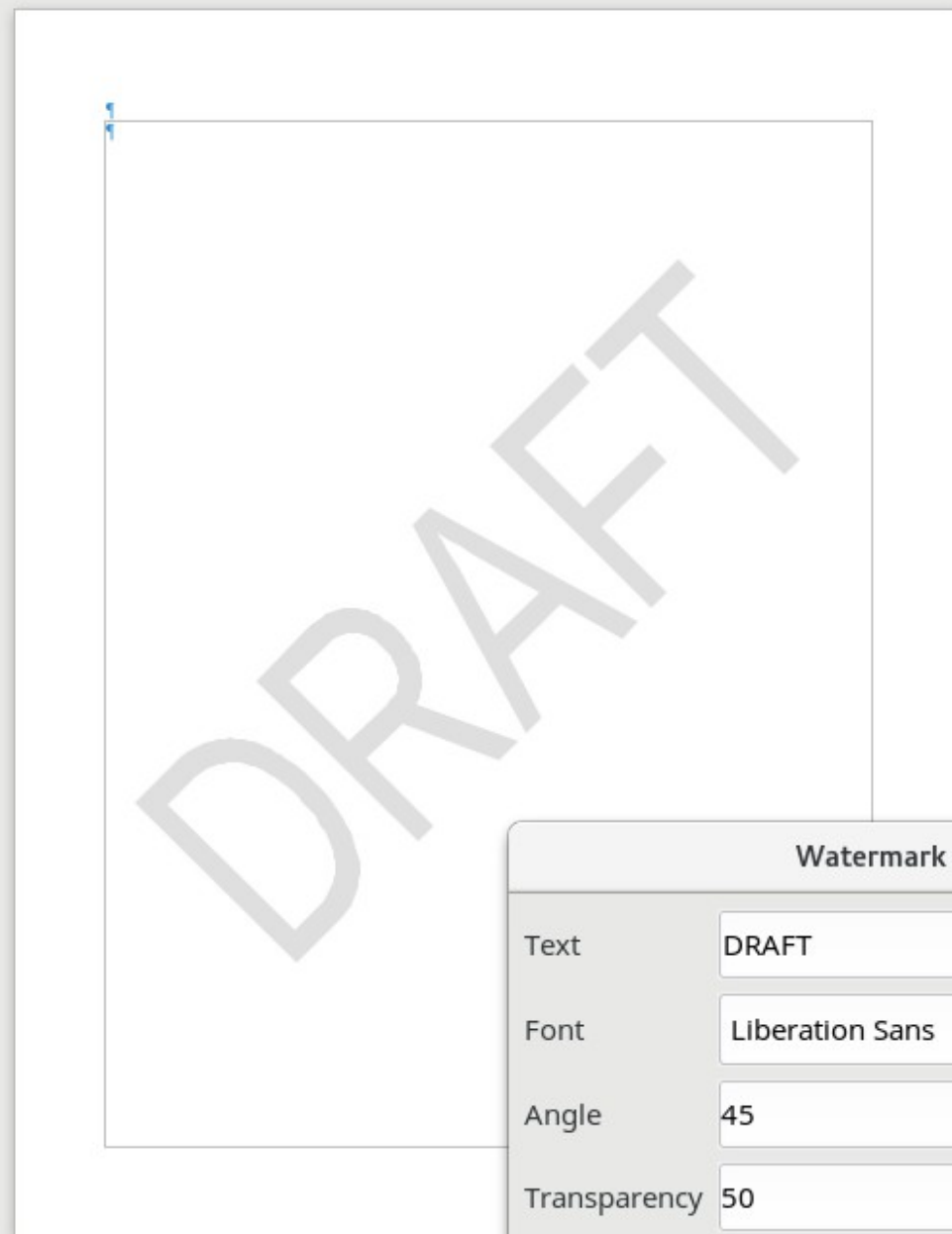
What happened to Sharepoint Integration in the last year ... - Mike Kaganski – later

www.collaboraoffice.com



Feature: Insert Watermark

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



Watermark [X]

Text	<input type="text" value="DRAFT"/>
Font	<input type="text" value="Liberation Sans"/>
Angle	<input type="text" value="45"/>
Transparency	<input type="text" value="50"/>
Color	<input type="text" value="#C0C0C0"/>

OK Cancel



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 displays the Collabora Writer interface. On the left, a sidebar shows a project named 'names0' containing a table named 'Table1'. The main document area shows a mail merge letter template with the text 'Dear <Salutation> <Name>,' followed by 'Thanks for using our product.' Below this, a table is embedded in the document, containing the same data as the 'Table1' in the sidebar. The table has two columns: 'Salutation' and 'Name', with three rows of data: 'Mr.' and 'John Doe', 'Ms.' and 'Jane Doe', and 'Prof. Dr.' and 'Albert Einstein'. The status bar at the bottom indicates 'Page 1 of 1', '12 words, 60 characters', 'Default Style', and 'Hungarian'.

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”

