

Collabora Online - richer collaboration

New ways to include documents

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CEO

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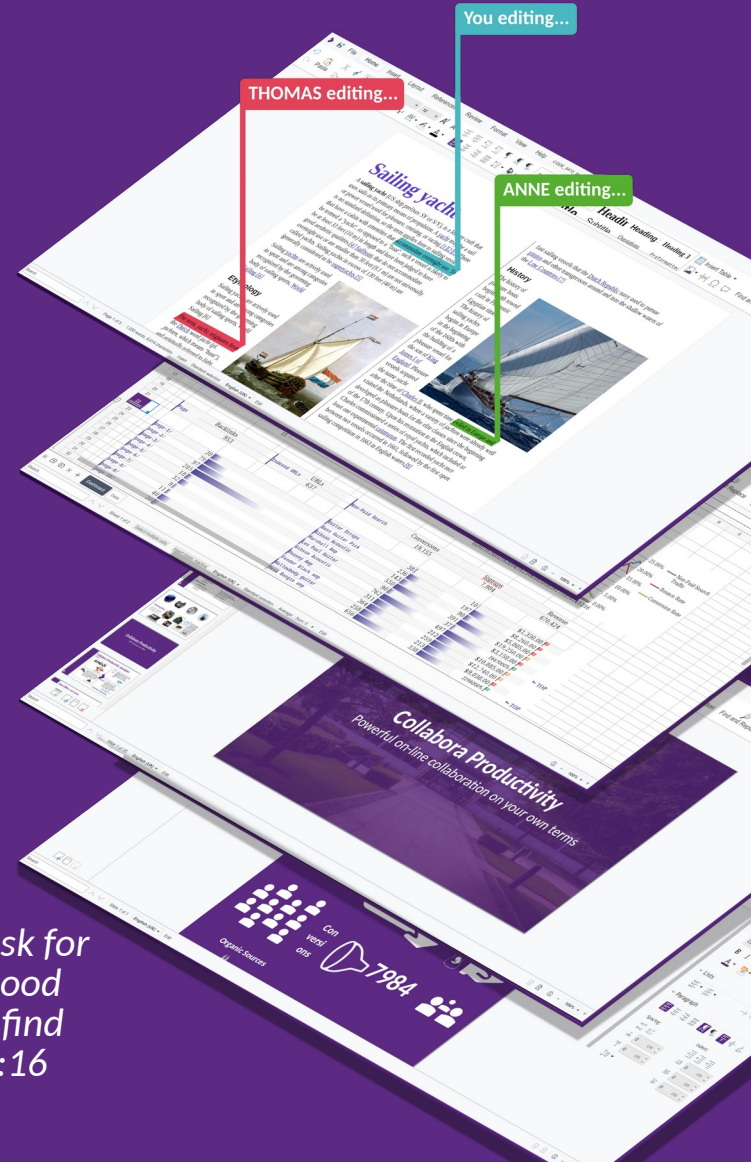


Collabora
Online



FOSDEM


“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



Writer – Collaborative Text docs

Recipe

Strawberry Vanilla Pancakes



Ingredients

- 200g self-raising flour
- 1 1/2 tsp baking powder
- 1tbsp golden caster sugar
- 3 large eggs
- 25g melted butter, plus extra for cooking
- 200ml milk
- vegetable oil, for cooking
- To serve: fruit, jam or cooked bacon and maple syrup

Preparation

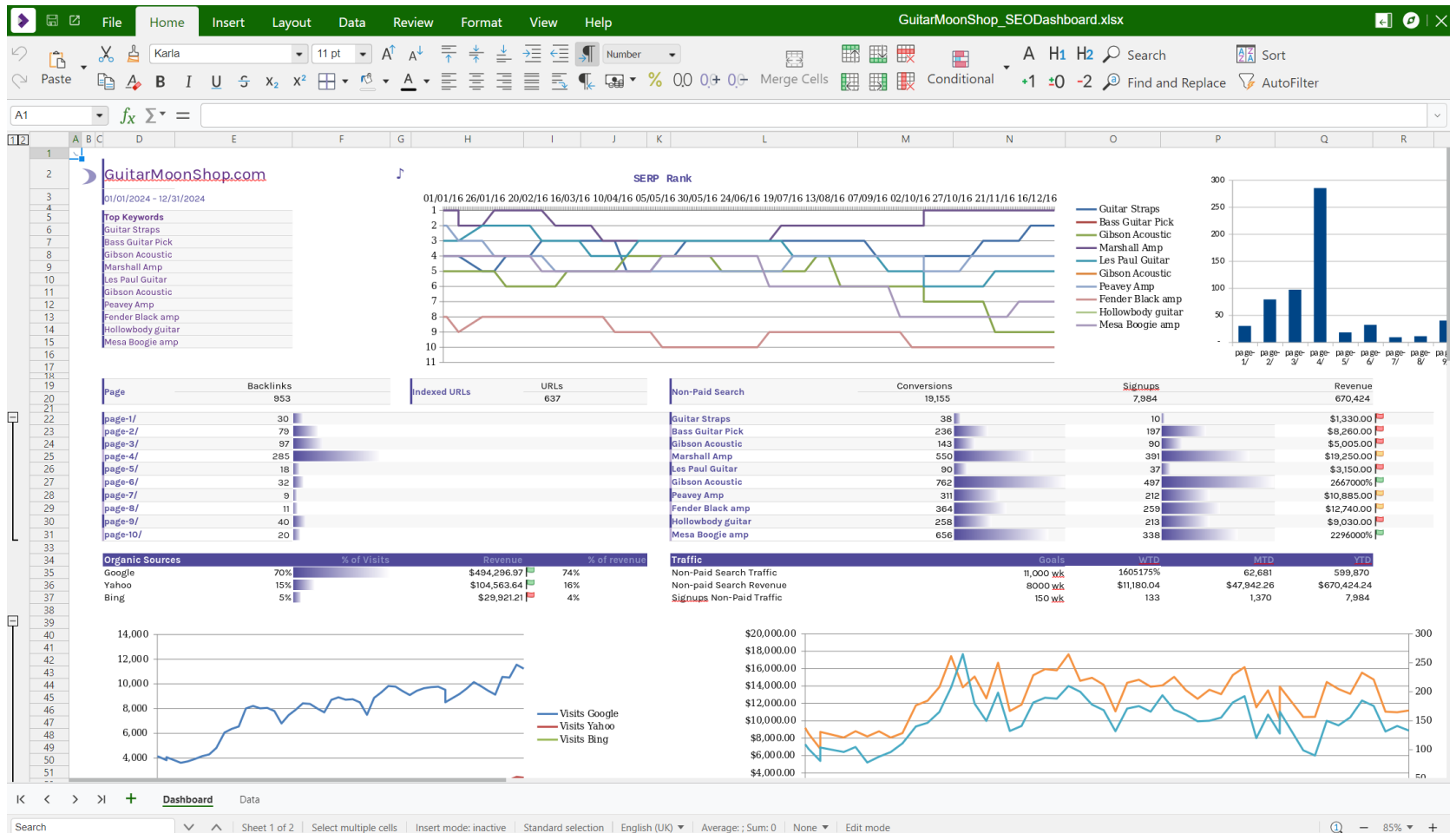
1. Mix 200g self-raising flour, 1 ½ tsp baking powder, 1 tbsp golden caster sugar and a pinch of salt together in a large bowl.
2. Create a well in the centre with the back of your spoon then add 3 large eggs, 25g melted butter and 200ml milk.

Comment thread:

- Richard Brock (RB) Wed, 4 Sept 2024: Does the title look better aligned centrally?
- Naomi Obbard Wed, 4 Sept 2024: I think it looks better on the left.
- Richard Brock (RB) Wed, 4 Sept 2024: Is this the correct final quantity?
- Naomi Obbard Wed, 4 Sept 2024: Yes :)
- Richard Brock (RB) Wed, 4 Sept 2024: Good work on the picture!

Page 1 of 2 | 256 words, 1,305 characters | Insert | Standard selection | Edit mode | 150%

Calc - Collaborative Spreadsheets



Impress – Collaborative Presentations

The screenshot displays the LibreOffice Impress interface. The title bar shows the file name "3D Transitions.odp". The ribbon includes tabs for File, Home, Insert, Layout, Review, Format, View, and Help. The Home tab is active, showing options for text formatting (Bold, Italic, Underline, Paragraph), comments, and presentation controls. The main slide area contains a purple logo consisting of a stylized arrow pointing right, followed by the text "Collabora Online". The right-hand side features a "Slide Transition" panel with various transition effects such as None, Wipe, Wheel, Uncover, Bars, Checkers, Shape, Box, Wedge, Venetian, Fade, Cut, Cover, Dissolve, and Comb. Below these are options to modify the transition, including a "Variant" dropdown, a "Duration" of 2 seconds, and "Advance Slide" settings (On mouse click, After: 1 sec). There is also an "Apply Transition to All Slides" button and "Repeat Slideshow" settings (Disabled, After: 0 sec). The status bar at the bottom indicates "Slide 2 of 11", "English (UK)", and "Edit mode".

Draw- Collaborative Diagramming

The screenshot shows a Draw application window with a ribbon menu (File, Home, Insert, Layout, Review, Format, View, Help) and a toolbar. The document content is as follows:

Collabora Online

Why the Collabora Online Subscription?

Focused on providing high quality software, thoroughly tested and ready for business

Collabora Online is a powerful online office suite, which you can integrate into your own infrastructure. We take digital sovereignty seriously and provide you with all the tools to keep your data secure, without compromising on features. With our supported subscription you get:

- Assured Digital Sovereignty & Security**
 - On-premise / self hosted - control your data, app & network
 - No ties to any storage or authentication system
 - Documents are not broadcasted to all clients, but shared as pixels
 - Each document session gets its own private jail - with no local copy between document editing sessions
 - Simple integration based on a WOPJ API providing storage & authentication
- Product Management Relationship**
 - Direct contact with the Collabora team to optimise the software for your business
 - Ability to request feature development
 - Priority input into the product roadmap
- Comprehensive Support & Maintenance**
 - Service Level Agreement (SLA)
 - Unlimited number of support incidents
 - Setup and configuration support
 - Direct contact with the engineers behind the product via the support platform
- No Limitations for Your Productivity**
 - All code is Open Source
 - Full featured, rapid improvement
 - Available for all major PC and mobile platforms
 - Flexible - many different integrations into 3rd party solutions
 - Excellent interoperability with DOCX, XLSX, PPTX and other Microsoft files
- A Cost-Effective & Flexible Plan**
 - Simple pricing plan
 - High Availability as standard
 - Unlimited connections per user
 - Unlimited servers, containers and VMs as standard
 - Unlimited external collaborators included
 - Easy to deploy - stateless service
 - Complete solution - no unexpected extra support costs for database, NFS, message-bus
 - Dynamically deploy your workloads with Kubernetes or your own orchestration
- Full Online Office Functionality**

The right-hand sidebar shows a list of shapes: Shape 1 (Shape), Shape 2 (Group object), Shape 3 (Group object), Shape 4 (Group object), Shape 5 (Group object), Shape 6 (Group object), Shape 7 (Group object), Shape 8 (Group object), Shape 9 (Group object), Shape 10 (Group object).

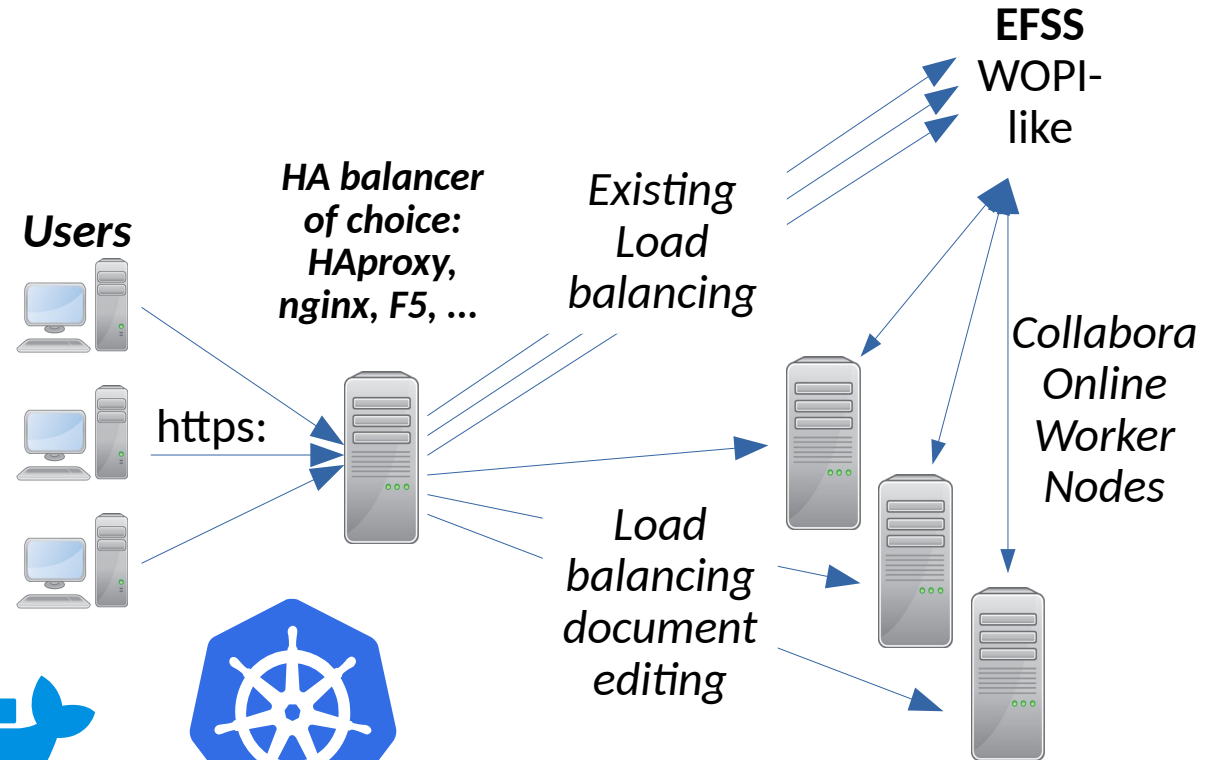
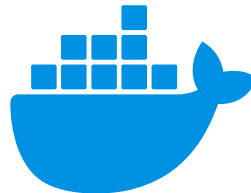
Page 1 of 1 | English (UK) | Edit mode | 100%

Traditional configuration

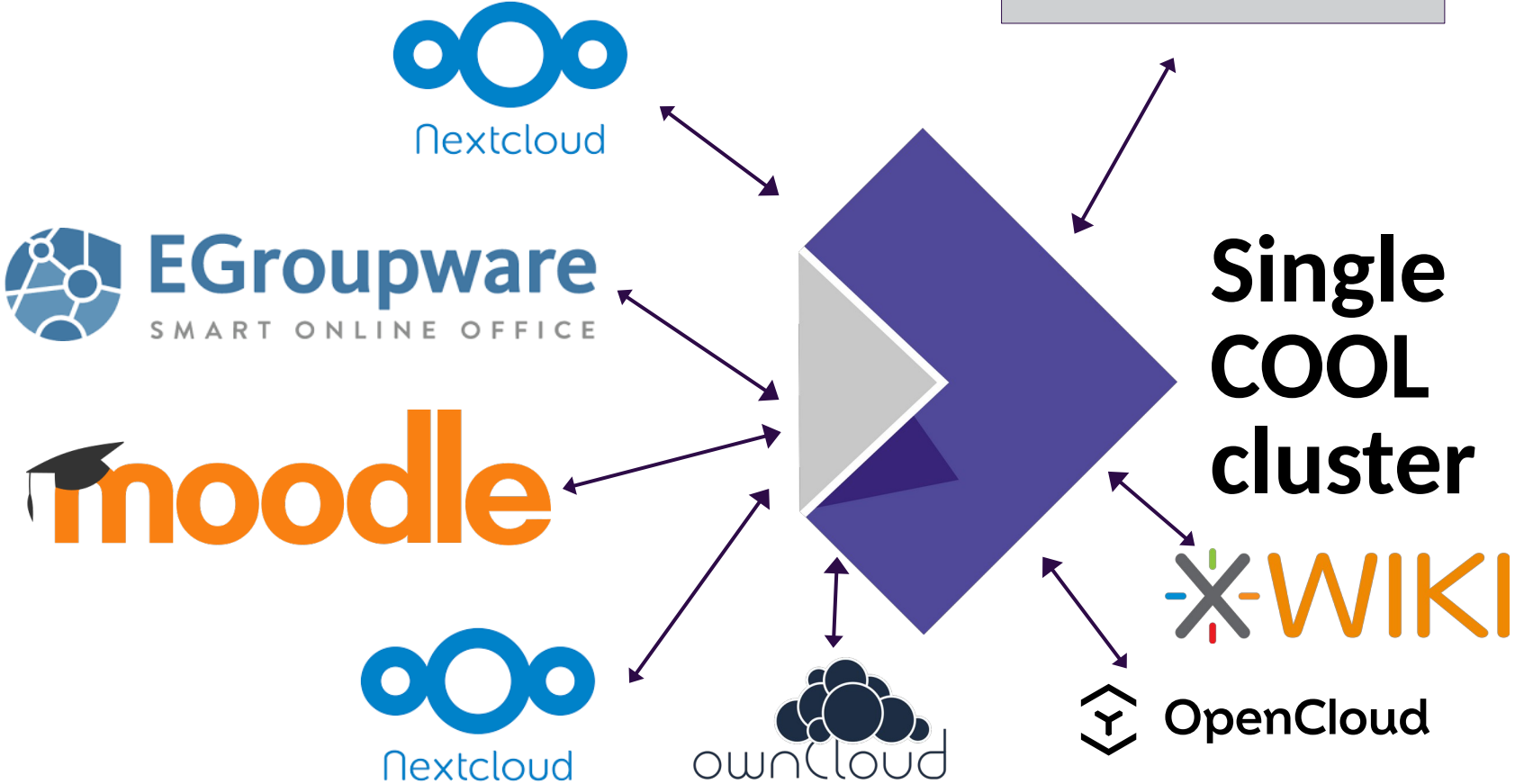
Highly available & simply scalable

eg. grab our helm-chart

- Incremental / available upgrade-ability
- No extra services
- Management (eg. Kubernetes)



Multi-Tenant



Recent Features

Automatic Documents

Automatic Documents - Use Cases

Create **multiple** documents from **one** template



Collate information from **multiple** documents

Automatic Documents - Scripting

Write a script to:

- Link your parts database to a template
- Produce project reports with charts from time sheets
- Streamline contract and document creation

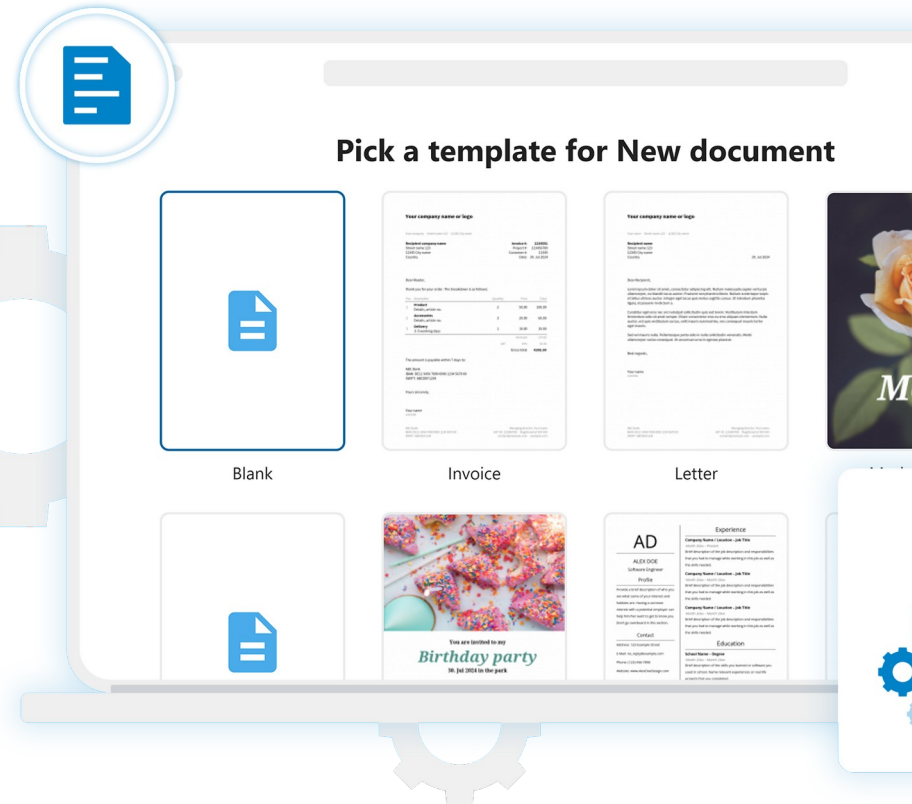
The screenshot shows a dialog box titled "Properties of 'docStructureChartExampleOriginal'". It has several tabs: "General", "Description", "Custom Properties", "Font", and "Statistics". The "Description" tab is selected. The fields are empty, with labels: Title, Subject, Keywords, Contributor, Coverage, Identifier, Publisher, Relation, Rights, Source, Type, and Comments. A "Help" button is at the bottom left.

```
1 {
2   "Transforms": {
3     "DocumentProperties": {
4       "Title": "Title TxT",
5       "Subject": "Subject TxT",
6       "Keywords": [ ],
7       "Contributor": ["Contributor1 TxT", "Contributor2 TxT"],
8       "Coverage": "Coverage TxT",
9       "Identifier": "Identifier TxT",
10      "Publisher": ["Publisher TxT", "Publisher2 TxT"],
11      "Relation": ["Relation TxT", "Relation2 TxT"],
12      "Rights": "Rights TxT",
13      "Source": "Source TxT",
14      "Type": "Type TxT"
15      "Description": "Description TxT"
16    }
17  }
18 }
```

The screenshot shows a dialog box titled "Properties of 'temp2'". It has several tabs: "General", "Description", "Custom Properties", "Font", and "Statistics". The "Description" tab is selected. The fields are populated with text: Title TxT, Subject TxT, Keywords, Contributor: Contributor1 TxT, Contributor2 TxT, Coverage TxT, Identifier TxT, Publisher: Publisher TxT, Publisher2 TxT, Relation: Relation TxT, Relation2 TxT, Rights TxT, Source TxT, Type TxT, and Comments: Description TxT. A "Help" button is at the bottom left.

Automatic Documents - For Your Needs

- Follows **open standards**
 - Work with your **existing** templates
 - Create DOCX, ODT, PDF...
 - Avoid accidental additions/deletions in documents with PDF export
- OR
- Work with **editable** DOCX/ODT and pre-populated fields



Automatic Documents – Intuitive Integration

Pick a template for Nextcloud conference 2024

Blank Event Permit Applicati...

Fill template fields

Name of the Organizer/Organization
Nextcloud

Email
sales@nextcloud.com

Phone number
Phone number

Event Coordinator
Event Coordinator

Event name
Nextcloud Conference 2024

Event date
Event date

Event location
Event location

Event description
Event description

- Minimum of 2 security guards per 100 attendees
- On-site communication plan established between security staff
- First aid station set up and staffed

Event Permit Application Form

1. Applicant Information

Name of Organizer/Organization:	Nextcloud
Contact Information	
Email:	sales@nextcloud.com
Phone Number:	+49 1234 567890
Event Coordinator:	Jane Doe

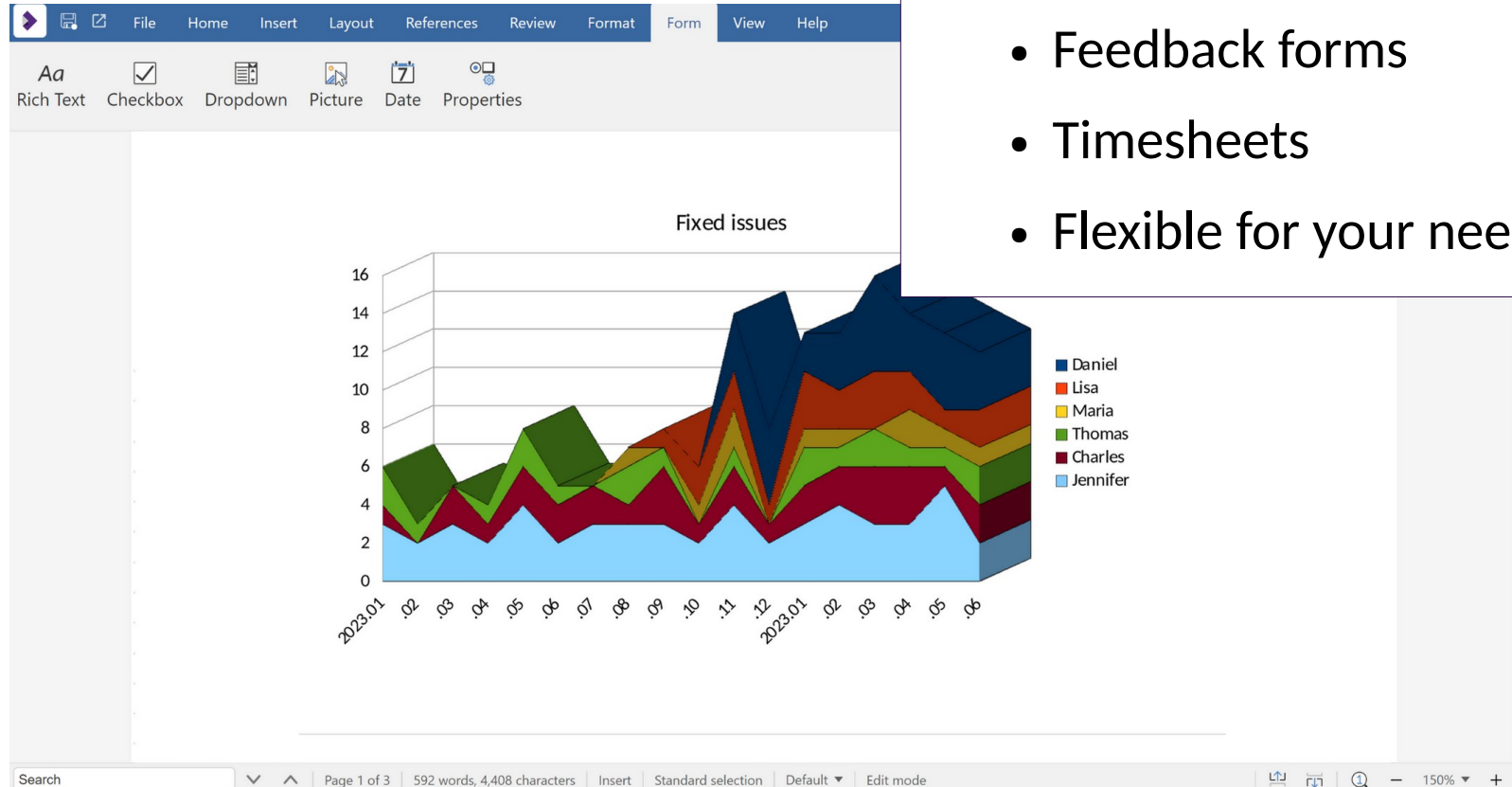
2. Event Details:

- Event Name: Nextcloud Conference 2024
- Event Date: [Click here to enter text](#)

Automatic Documents - Powerful Output

Create charts from documents

- Feedback forms
- Timesheets
- Flexible for your needs



AutoText

Autotext

Choose from a database of text

- eg. Hospital prescriptions
- eg. School report fragments
- eg. Standardised letters

Full power in your browser

- Graphics
- Tables
- Fields



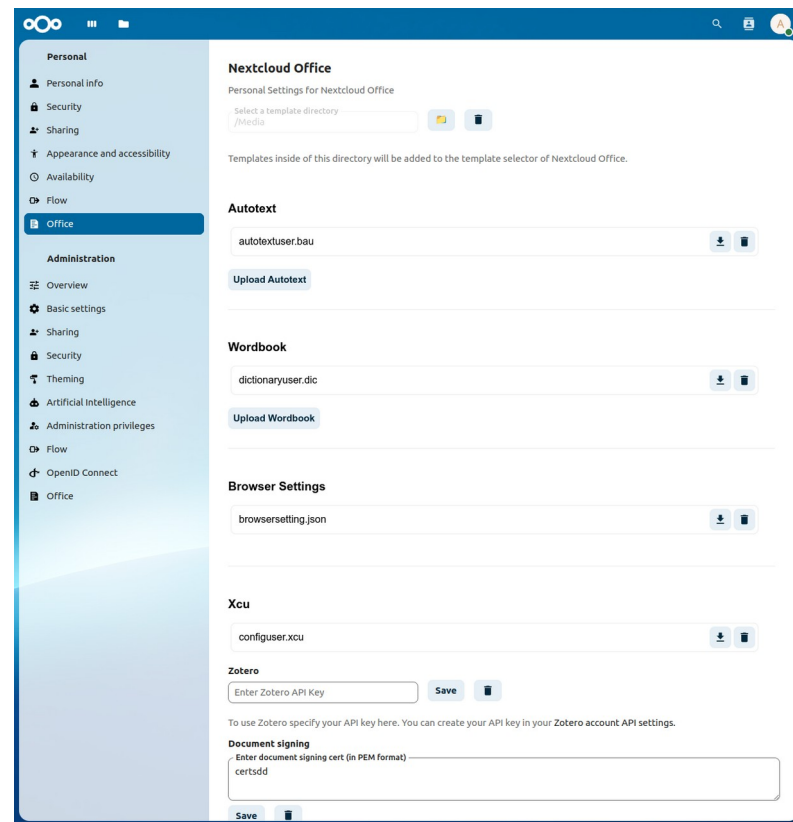
Thanks to:



Zentrum
Digitale
Souveränität

Autotext

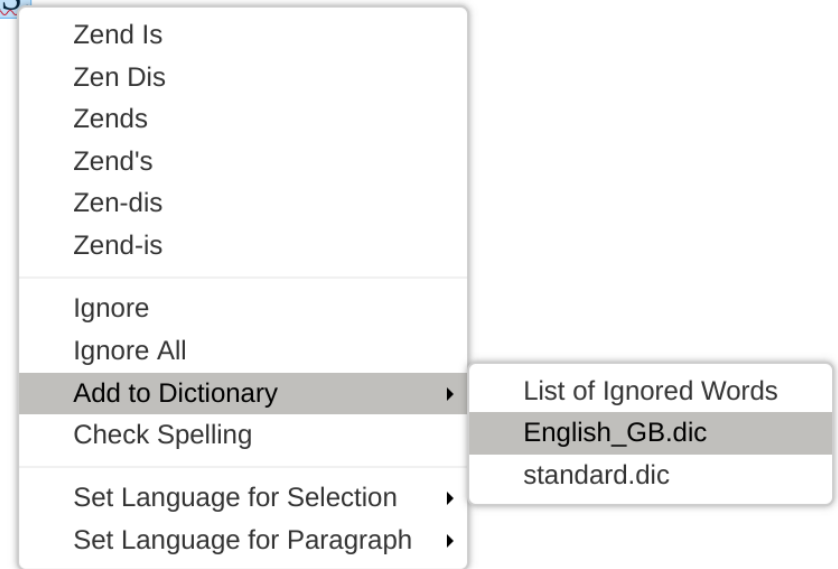
- New Setting page to configure and manage these presets, served by Collabora Online and integrated in the host servers UI
- Settings (like dark mode, status bar on/off, spelling on/off) can be stored with this instead
- Settings will "follow the user" if logging in from another place or browser



User Dictionaries

1. Collabora's Commitment to Innovation: Innovation is the lifeblood of Collabora Online. Through continuous research and development, Collabora remains at the forefront of technological advancements, driving forward-thinking solutions that anticipate and address the evolving needs of users and partners such as **ZenDiS**

- Using the same mechanism
- Easy customisation of user dictionaries



Comment Updates

@ users

The image shows a screenshot of a recipe page for "Strawberry Vanilla Pancakes". The recipe title is highlighted in blue. Below the title is a list of ingredients: 200g self-raising flour, 1 1/2 tsp baking powder, 1tbsp golden caster sugar, 3 large eggs, and 25g melted butter, plus extra for cooking. A comment thread is overlaid on the page, showing a conversation between Richard Brock and Naomi Obbard. Richard Brock asks if the title looks better aligned centrally, and Naomi Obbard replies that she thinks it looks better on the left. The comment thread is highlighted with a purple border.

Recipe

Strawberry Vanilla Pancakes

Ingredients

- 200g self-raising flour
- 1 1/2 tsp baking powder
- 1tbsp golden caster sugar
- 3 large eggs
- 25g melted butter, plus extra for cooking

Page 1 of 2 | 256 words, 1,305 characters | Insert

Richard Brock
Thu, 5 Sept 2024
[@Naomi Obbard](#)
Does the title look better aligned centrally?

Naomi Obbard
Thu, 5 Sept 2024
I think it looks better on the left.

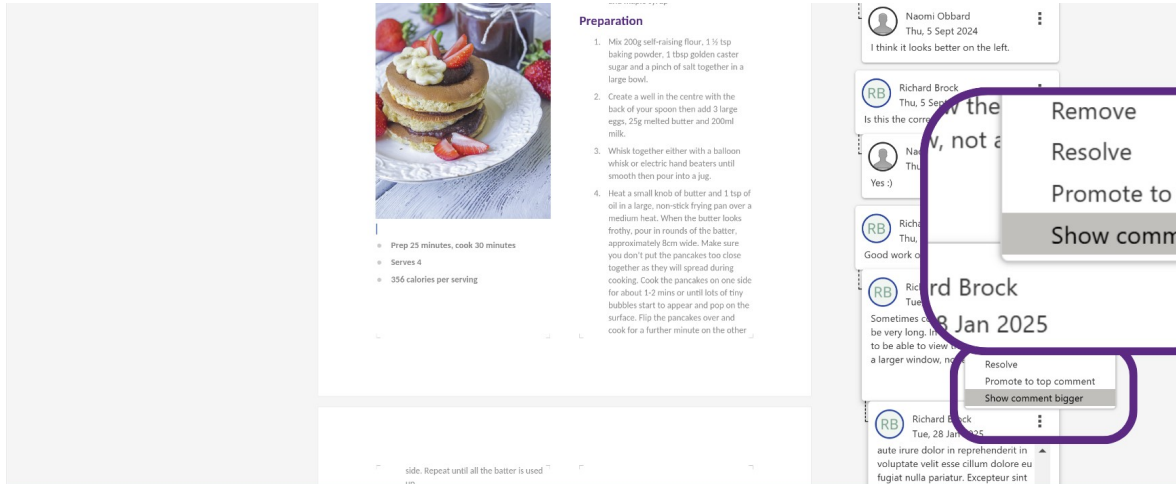
Richard Brock
Thu, 5 Sept 2024
Is this the correct final quantity?

Naomi Obbard
Thu, 5 Sept 2024
Yes :)

Richard Brock
Thu, 5 Sept 2024
Good work on the picture!

Thanks to:

Full-width comments



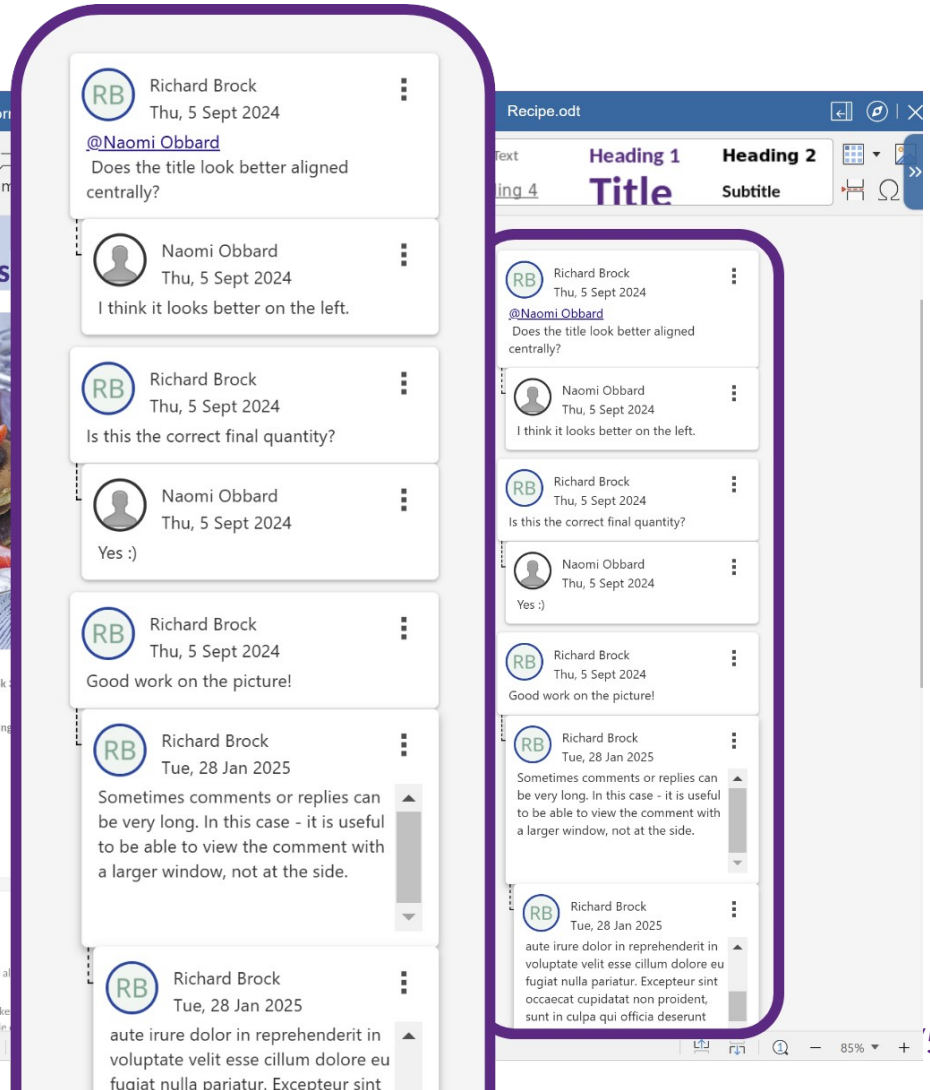
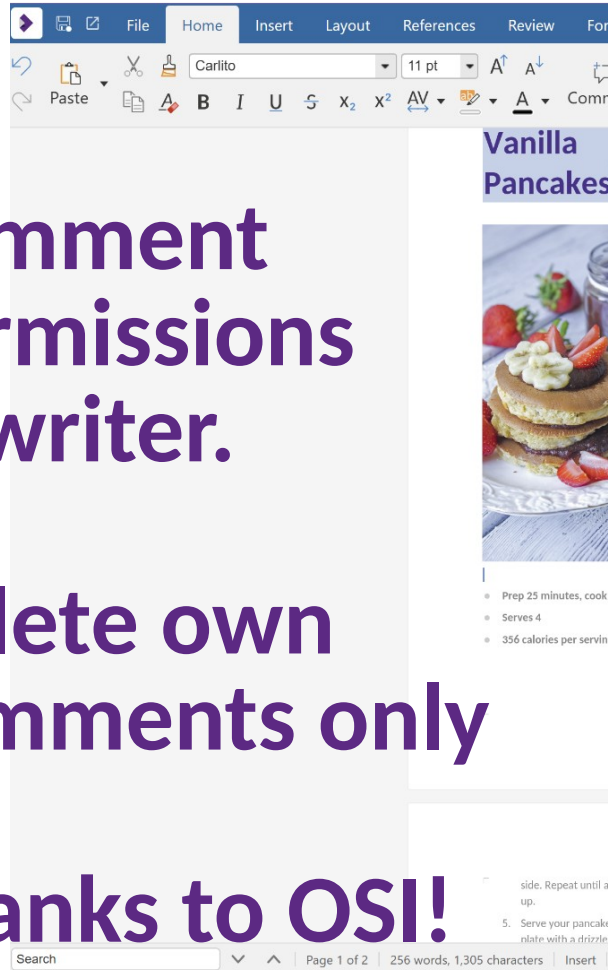
- oil in a large, non-stick frying pan over a medium heat. When the butter looks
- RB** Richard Brock
Tue, 28 Jan 2025
Sometimes comments or replies can be very long. In this case - it is useful to be able to view the comment with a larger window, not at the side.
 - RB** Richard Brock
Tue, 28 Jan 2025
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
 - RB** Richard Brock
Tue, 28 Jan 2025
Magna tincidunt taciti nunc primis suscipit orci blandit donec sociosqu. Bibendum egestas dictum tellus potenti posuere habitasse auctor. Maximus sodales dictumst cras quisque nisi metus curae. Aptent id dapibus fames vel maecenas. Ut himenaeos semper volutpat porttitor cubilia. Eros ut pharetra iaculis nibh, sodales nunc urna. Odio sociosqu quam suspendisse sed proin himenaeos. Natoque a mi ligula luctus vulputate nibh molestie arcu!

Nested Replies

Comment permissions in writer.

Delete own comments only

Thanks to OSI!

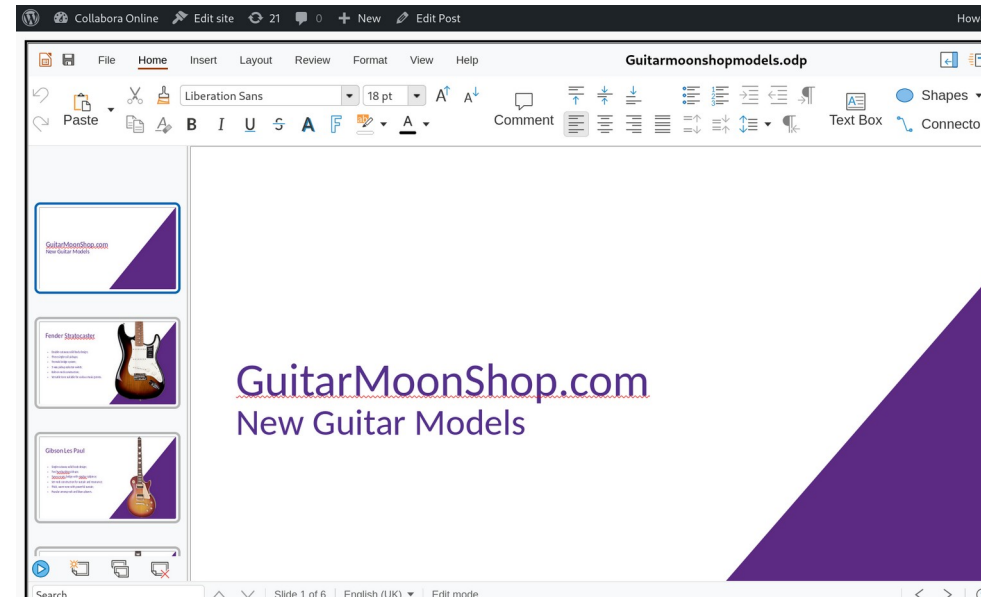
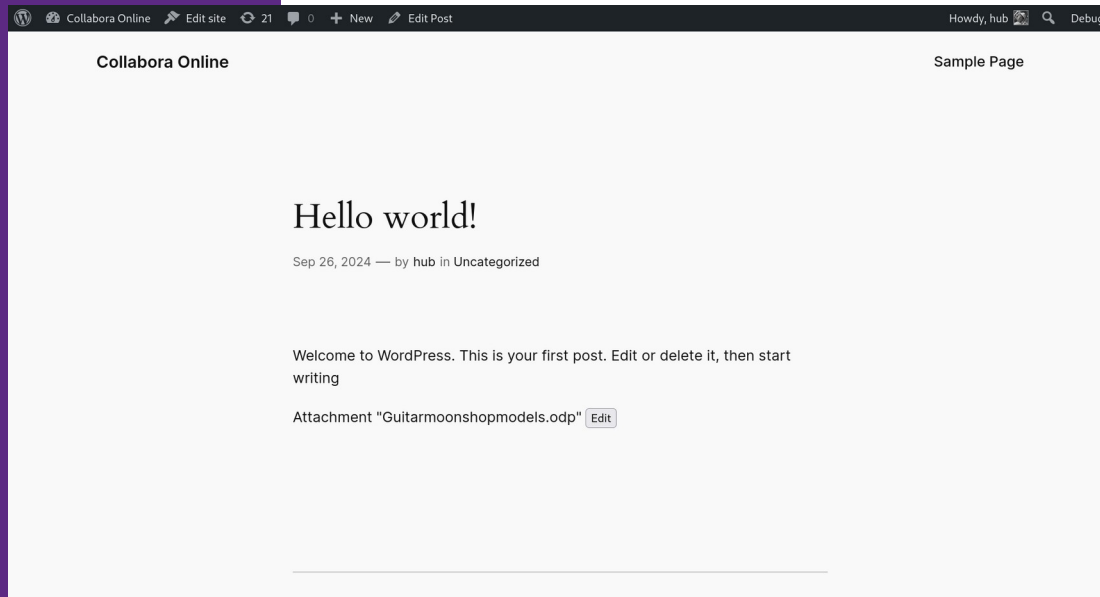


More integrations

Integrating with WordPress

Easy to install WordPress plugins:

- Install plugin: <https://wordpress.org/plugins/collabora-online/>
- Upload document, and add a “block” to your page to collaborate









Drupal integration

Back to site Manage Shortcuts hub Announcements Edit

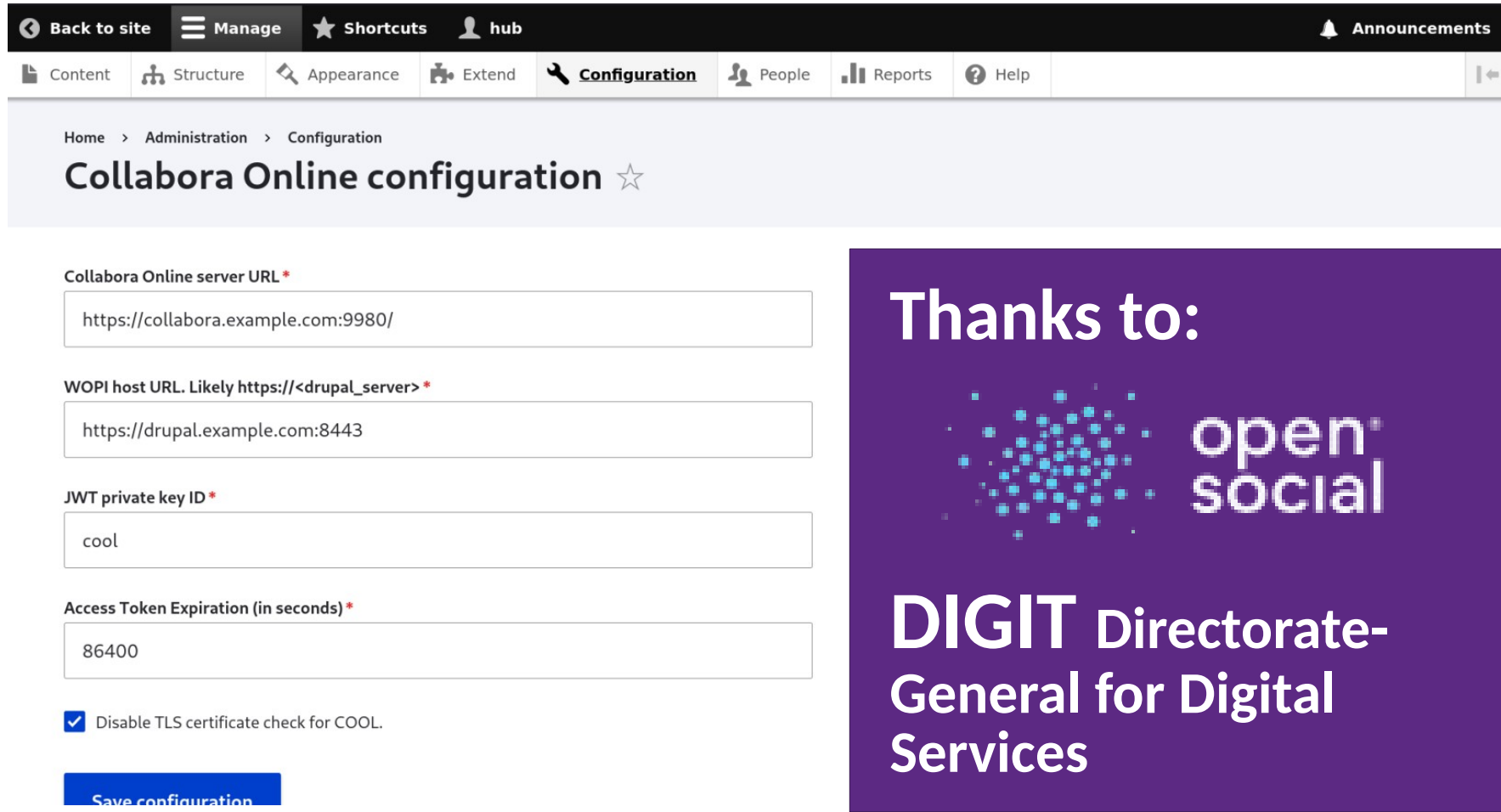
Content Structure Appearance Extend Configuration People Reports Help

Media name Type Published status Language Filter

- Any - - Any - - Any -

<input type="checkbox"/>	Thumbnail	Media name	Type	Author	Status	Updated	Operations
<input type="checkbox"/>		Sales Projections.ods	Office Document	hub	Published	06/10/2024 - 17:13	<input type="button" value="Edit"/>  View in Collabora Online Edit in Collabora Online Delete
<input type="checkbox"/>		Sample Word Document.docx	Office Document	hub	Published	06/10/2024 - 17:12	<input type="button" value="Edit"/> 
<input type="checkbox"/>		Sample Open Document.odt	Office Document	hub	Published	06/10/2024 - 17:11	<input type="button" value="Edit"/> 

composer require drupal/collabora_online



The screenshot shows the Drupal administration interface for the 'Collabora Online configuration' page. The breadcrumb trail is 'Home > Administration > Configuration'. The page title is 'Collabora Online configuration' with a star icon. The configuration fields are as follows:

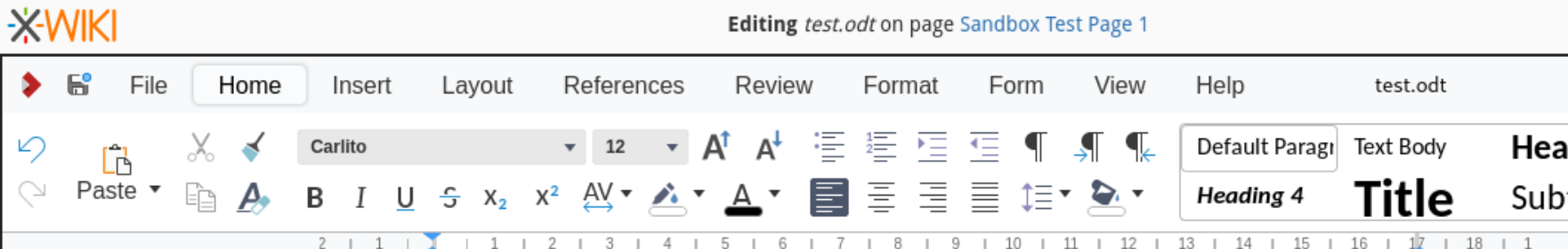
- Collabora Online server URL ***:
- WOPI host URL. Likely https://<drupal_server> ***:
- JWT private key ID ***:
- Access Token Expiration (in seconds) ***:
- Disable TLS certificate check for COOL.**
- Save configuration** button

Thanks to:



DIGIT Directorate-
General for Digital
Services

XWIKI Integration !



Editing *test.odt* on page [Sandbox Test Page 1](#)

File Home Insert Layout References Review Format Form View Help test.odt

Carlito 12 A[↑] A[↓] Default Paragraph Text Body Heading 4 Title

Paste B I U x_2 x^2 AV A

2 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 1

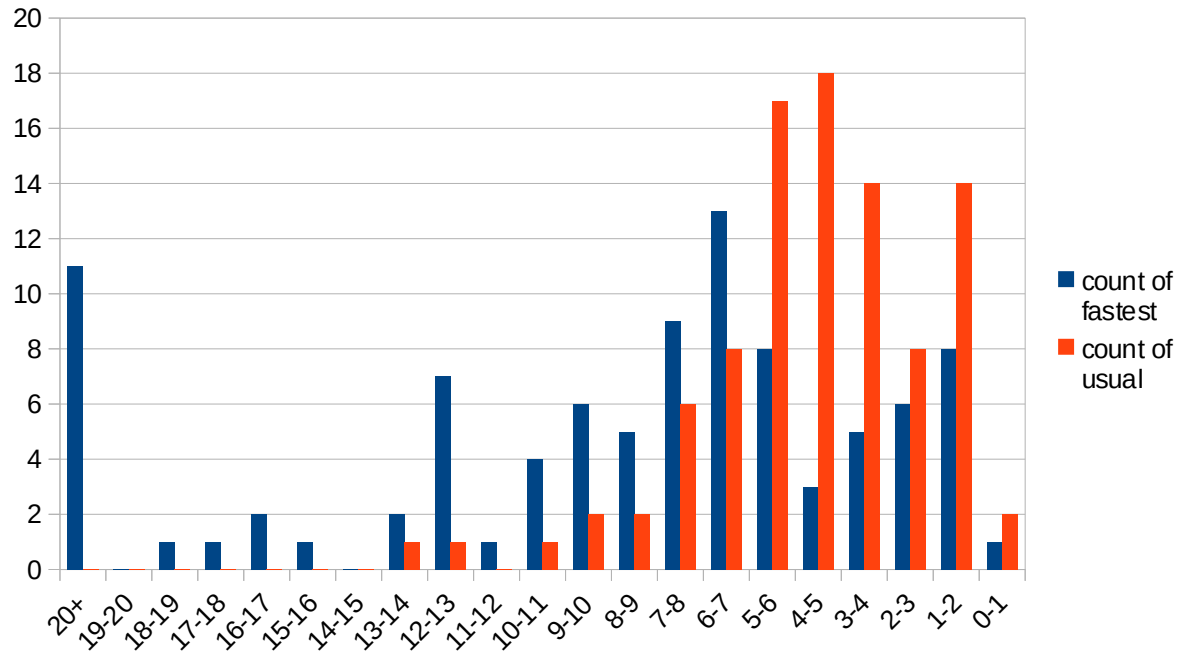
Test document

Collaboratively edit a WIKI page attachment in OpenDocument or DOCX/XLSX/PPTX etc.

UX pieces

UI logging & charting minus telemetry

Command	Total Commands	Undo count
textInput	62765	85
uno .uno:Paste	1158	54
removetextcontext	10535	38
mouse click	14330	20
mouse buttonup	5110	16
uno .uno:Cut		
dialogevent		
mouse buttotdown		
uno .uno:Bold		
uno .uno:Redo		
uno .uno:TableCellBackground		
uno .uno:NumberFormatIncDe		
uno .uno:MoveShapeHandle		
uno .uno:Line		
uno .uno:TransformDialog		
uno .uno>DeleteRows		
uno .uno:DefaultNumbering		
uno .uno:CharBackColor		



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1		mouse move	mouse click	textInput	mouse buttondown	mouse buttonup	removetextcontext	dialogevent	key down	key right	uno .uno:Paste	key up	key left	uno .uno:Copy	uno .uno:SidebarHide	uno .uno:SelectRow	uno .uno:Background	uno .uno:Undo
2	mouse move	0	45174	16452	24085	20171	4225	5011	1149	820	3964	769	564	3441	1337	1089	1057	750
3	mouse click	56460	0	769	30	938	199	1062	25	16	178	19	15	108	10	9	37	48
4	textInput	10562	5992	0	3	577	15443	1230	1875	1698	396	790	1174	2	1	1	4	28
5	mouse buttondown	22540	0	442	2150	1112	123	176	12	15	132	7	3	90	14	16	40	30
6	mouse buttonup	25578	372	13	0	0	11	52	1	2	1	0	1	5	1	28	0	2
7	removetextcontext	3248	1683	12586	4	559	0	1275	354	772	40	172	579	6	0	11	2	11
8	dialogevent	5609	1170	1330	20	83	239	0	88	32	235	70	25	97	2076	0	0	10
9	key down	507	313	2783	0	77	524	92	0	520	341	1419	432	174	8	2	1	20
10	key right	503	308	2073	0	5	366	37	449	0	72	639	1163	43	0	0	0	12
11	uno .uno:Paste	1803	1939	521	112	219	97	301	378	88	0	164	26	21	0	55	0	33
12	key up	313	204	1555	1	14	206	14	1817	374	153	0	322	50	1	0	0	20
13	key left	513	304	825	1	14	152	54	715	1272	62	426	0	6	0	1	0	7
14	uno .uno:SidebarHide	234	6	1	0	5	0	164	0	0	0	0	0	0	0	0	0	0
15	uno .uno:Copy	2143	792	5	284	692	1	251	17	18	2	98	28	0	1	64	1	2
16	uno .uno:SelectRow	1911	4	3	32	17	0	29	2	0	6	1	0	19	0	0	0	4
17	uno .uno:Background	1134	1	2	3	0	1	1	0	0	0	0	0	0	0	5	0	0
18	uno .uno:AcceptFocus	551	13	56	3	0	13	188	0	0	52	0	0	162	0	0	0	1
19	uno .uno:Undo	649	62	78	1	10	54	18	5	3	83	8	3	0	0	4	1	0
20	key end	43	11	321	0	0	67	3	115	32	0	200	10	1	0	0	0	2
21	key ctrl-left	20	28	282	0	0	33	1	66	10	10	48	31	0	0	0	0	0
22	uno .uno:SelectColumn	433	8	2	1	46	1	3	0	0	1	0	0	4	0	0	0	2
23	uno .uno:DefaultButton	496	1	25	0	0	3	18	4	0	0	5	1	0	0	0	0	0
24	key home	45	47	129	0	1	20	3	124	3	11	95	11	3	0	0	0	1
25	uno .uno:Cut	191	63	4	47	74	0	9	0	1	1	5	1	3	0	25	0	3
26	uno .uno>DeleteRow	142	0	0	23	1	0	0	152	1	0	9	0	0	0	183	0	0
27	key ctrl-right	13	12	141	0	0	30	0	23	34	1	75	3					
28	uno .uno:Transform	7	11	0	1	450	0	0	0	0	0	0	0					
29	key shft-down	53	23	20	0	2	22	2	81	36	1							
30	uno .uno:ColumnView	371	1	2	2	0	1	18	0	1	0							
31	uno .uno:Bold	370	2	0	1	0	0	25	0	0	0							
32	uno .uno:InsertRow	73	0	0	0	0	0	0	1	0	0							

Thanks to:



Deeper Style Features

adding desktop goodness

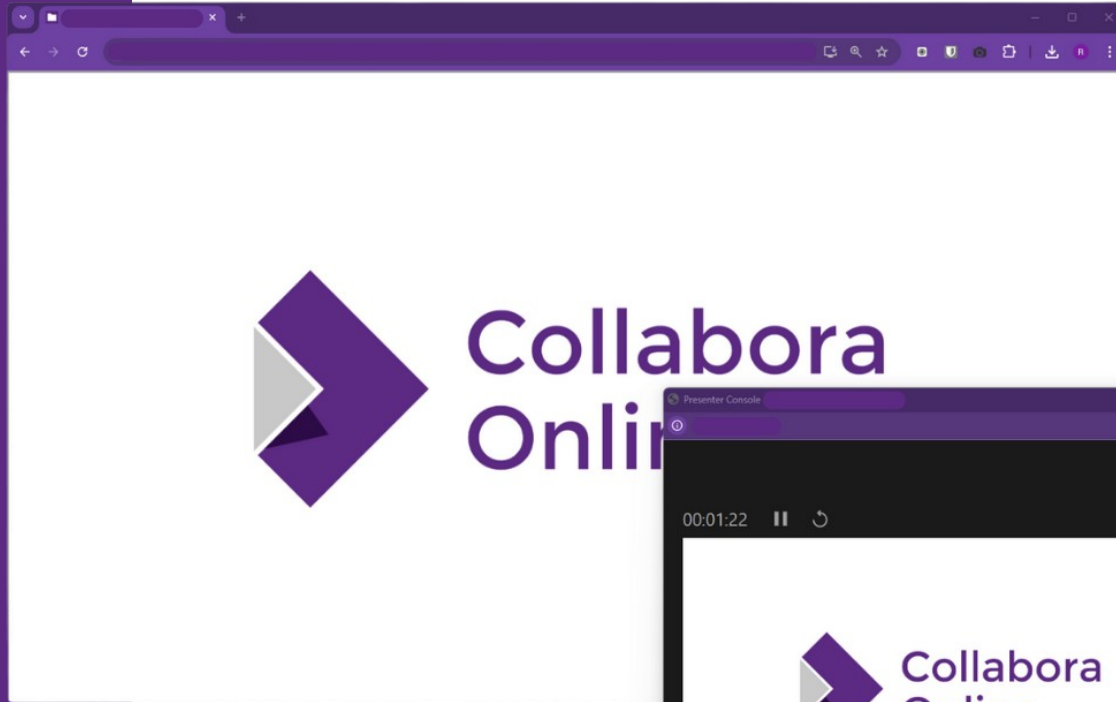
Presentations

Present in Window

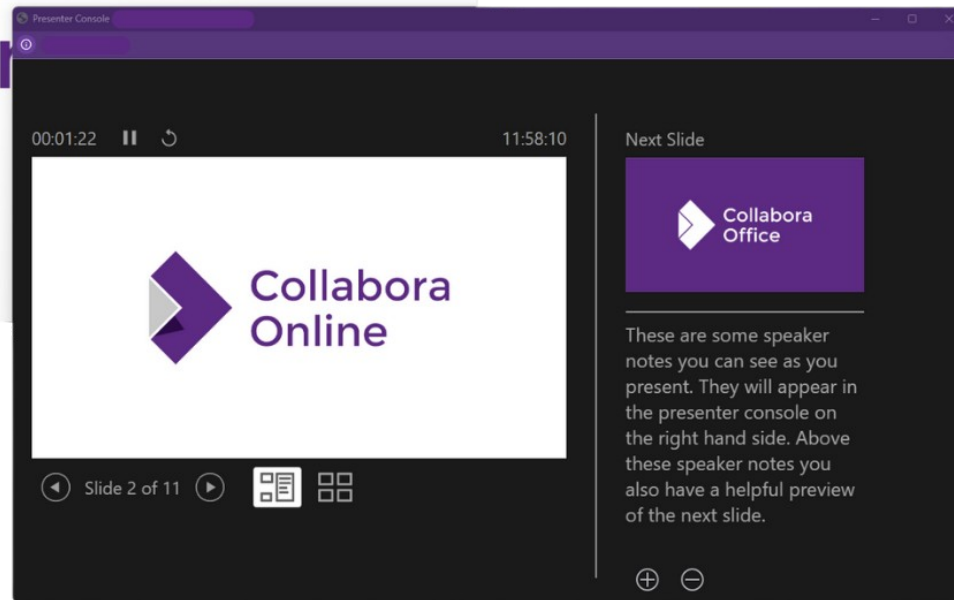
Presenter Console

The screenshot shows the top navigation bar of the Collabora Online interface. The 'Present in Window' and 'Presenter Console' options are highlighted with a purple box. The interface includes a menu bar with 'File', 'Home', and 'Insert' options. The main content area displays the Collabora Online logo and the text 'Collabora Online'. The bottom of the screen shows a slide navigation bar with slide numbers 1 through 28.

Presenter Console



- Timer function
- Next slide preview
- Presenter notes
- Overview of all slides



Present in Window



3D Transitions

The image shows a Microsoft PowerPoint interface with a slide titled 'Collabora Online'. The slide features a large purple arrow pointing right and the text 'Collabora Online'. The ribbon is set to 'Home', and the font size is 18 pt. The 'Slide Transition' task pane is open, displaying a grid of transition options. The '3D Venetian' transition is highlighted. The 'Modify Transition' section shows a duration of 2 seconds and 'On mouse click' selected for advancing slides. The 'Repeat Slideshow' section is set to 'Disabled'.

Slide Transition

- Push
- Split
- Diagonal
- Tiles
- Cube
- Helix
- Fall
- Turn Around
- Turn Down
- Rochade
- 3D Venetian
- Static
- Fine Dissolve
- Ripple
- Newsflash

Modify Transition

Variant: [Dropdown]

Duration: 2 sec

Advance Slide

On mouse click

After: 1 sec

Apply Transition to All Slides

Repeat Slideshow

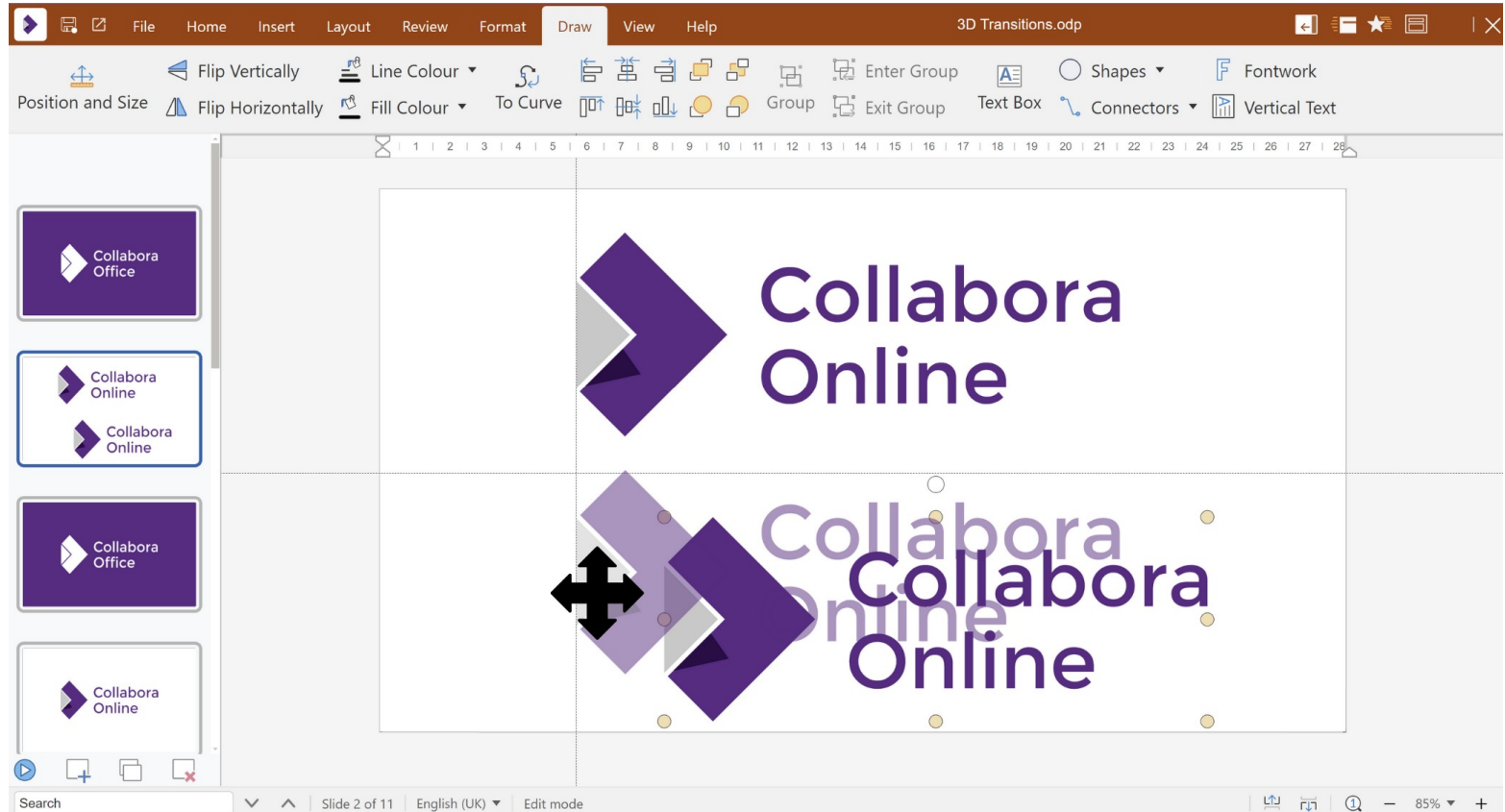
Disabled

After: 0 sec



Collabora
Online

Snap to Align

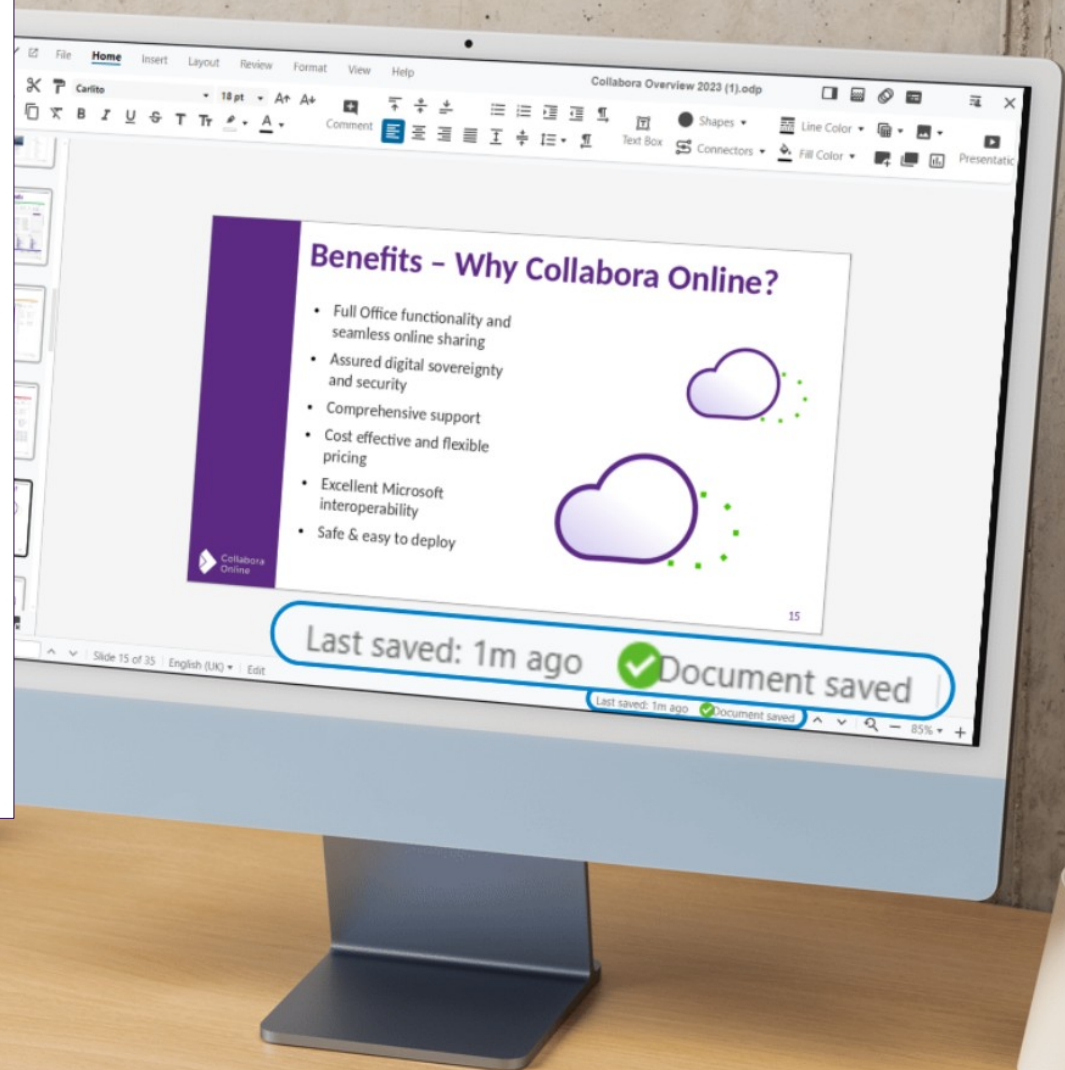


Custom Object Interactions

The screenshot shows the 'Collabora Online' presentation software interface. The top menu bar includes 'Format', 'Draw', 'View', and 'Help'. The 'Draw' menu is open, showing options like 'To Curve', 'Group', 'Exit Group', 'Text Box', 'Connectors', and 'Vertical Text'. The main slide content features the text 'Collabora Online' and two large purple arrows pointing right. A context menu is open over the text, listing standard editing actions like 'Cut', 'Copy', 'Paste', 'Delete', 'Compress...', 'Position and Size...', 'Line...', 'Arrange', 'Convert', and 'Interaction...'. The 'Interaction...' option is selected, opening an 'INTERACTION' dialog box. This dialog box has a 'Help' button and a list of actions under 'Action at mouse click:'. The 'Go to page or object' option is highlighted in blue. A larger, detailed view of this list is shown in a separate box on the right, listing the following actions: 'No action', 'Go to previous slide', 'Go to next slide', 'Go to first slide', 'Go to last slide', 'Go to page or object', 'Go to document', 'Play audio', 'Start object action', 'Run program', 'Run macro', and 'Exit presentation'.

Optimisations

- **Faster** loading presentations
 - Up to 16x for 100 slides
- **4K UHD** support
- Present from current slide
- Last saved notification



Security and Administration

Deployment Help for admins

The screenshot shows a Microsoft Word document titled "Inward-Ship-Report (with form controls).doc". The document content includes the New Zealand coat of arms and the title "INWARD REPORT (SHIPS AND BOATS OTHER THAN SMALL CRAFT)". A "Server audit" dialog box is open, displaying the following information:

Server audit

Status	Help
No problems with SSL verification detected	
Your server is configured with insufficient hardware resources, which may lead to poor performance.	SDK: hardware-requirements
The IsAdminUser user property is set by integration	
PostMessage API is initialized	

The dialog box also features an "OK" button at the bottom right.

Rootless containers

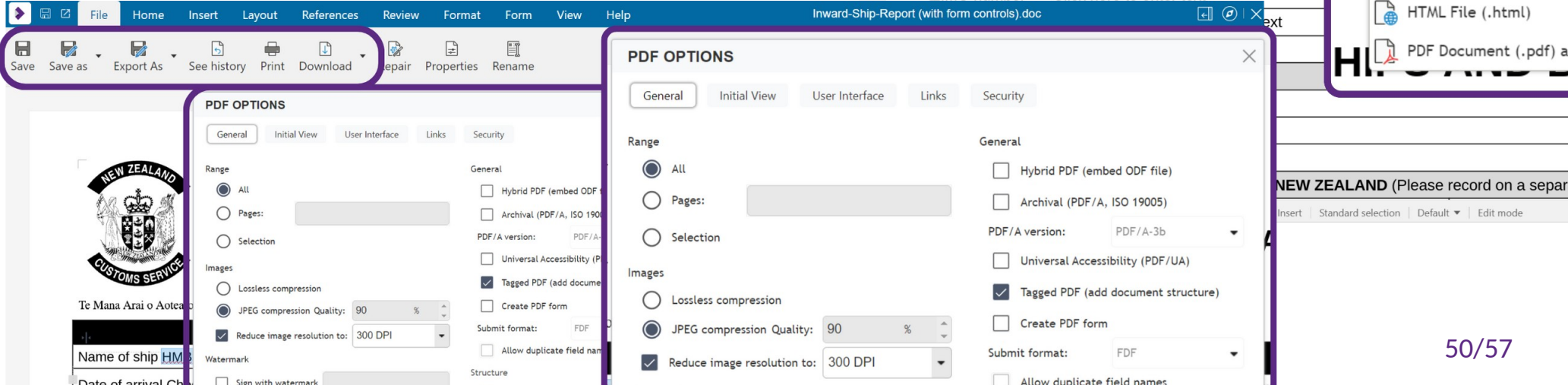
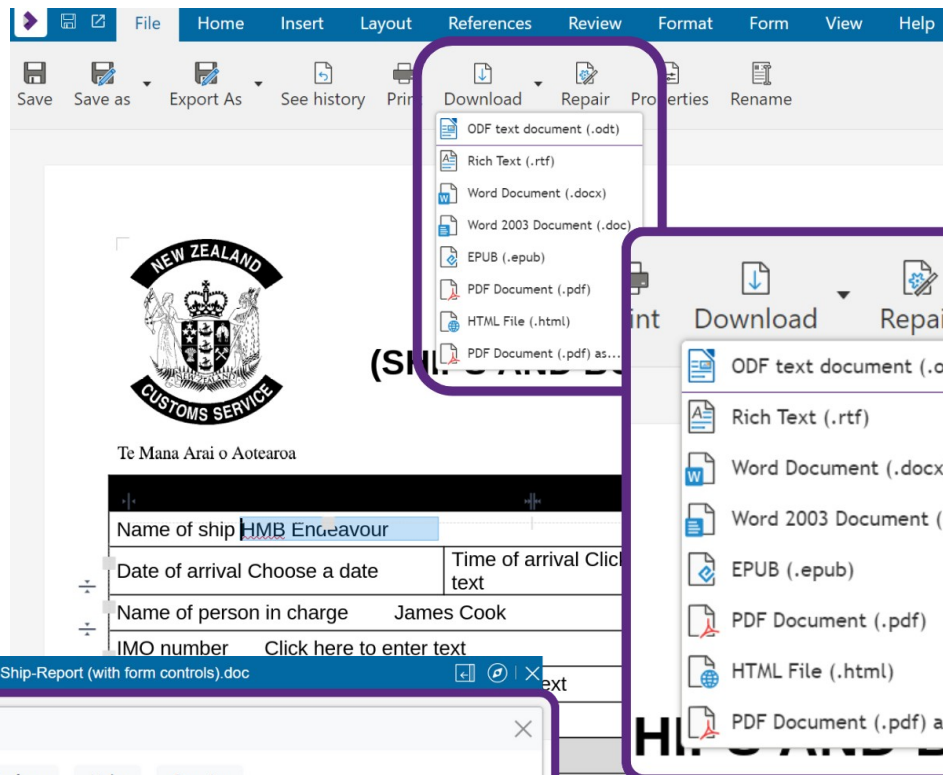
- User running the container has **no special privileges**
- Now achieved with *Linux Namespaces*
- Still often disabled by apparmor / selinux profiles: so we add those too.



Interoperability and Standards

Industry leading export

- Choose your preferred format
- Powerful PDF options
 - Hybrid PDF
 - Tagged PDF
 - PDF 2.0 → hot off the press ...



Interoperability improvements

- New metric compatible fonts
 - Thanks to Google

Proportional

Monospace

foX → fox

Caprasimo 1 style | The DocRepair Project, Phaedra Charles, Flavia Zimbardi

Everyone has the right to freedom of thought, conscience and religion;

Belanosima 3 styles | The DocRepair Project, Santiago Orozco

Everyone has the right to freedom of thought, conscience and religion;

Lugrasimo 1 style | The DocRepair Project, Astigmatic

Everyone has the right to freedom of thought, conscience and religion;

Agdasima 2 styles | The DocRepair Project, Patric King

Everyone has the right to freedom of thought, conscience and religion; this right includes

Lumanosimo 1 style | The DocRepair Project, Eduardo Tunni

Everyone has the right to freedom of thought, conscience and religion;

Lunasima 2 styles | The DocRepair Project, Google

Everyone has the right to freedom of thought, conscience and religion;

Interoperability improvements

- Further compliance with OpenXML - ISO/IEC 29500
- New Excel functions
 - eg. XLOOKUP, XMATCH, RANDARRAY, SEQUENCE...

The screenshot shows an Excel spreadsheet with the following data:

Backlinks	Indexed URLs
30	637
79	
97	
285	
18	
32	
9	
11	
40	
20	

The XLOOKUP function is being used in the 'Indexed URLs' column. The tooltip for the function is displayed, showing the syntax: `XLOOKUP(Search criterion, Search Array, Result Array, Result if not found, Match Mode, Search Mode)`. The value to be found in the first column is highlighted.

**With thanks to our Partners
Customers & Community !**

**Without whom we could do
nothing [!] - TINMF**

***Pay for what you use to
keep it free.***

A final bullet point:



Thank you for supporting Ukraine ...



Russian
machine-gun
bullet removed
from a Ukrainian
Civilian

by & in the hand
of Taras Zhyhulin
shown at CS3 /
CERN.



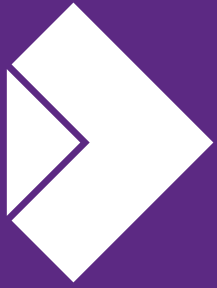
Conclusions: join in !

Try out the latest Collabora Online 24.04.11.x

- Automatic documents – for reports / templating / analysis
- Better interoperability, integrations: WordPress, Drupal, XWIKI
- Slicker UX, easier to deploy right

Still lots of fun to be had: do get involved !

- Lots of easy UX wins and polish to work on: JS, CSS, C++ to taste ...
- Follow our [calc](#) & [writer](#) tracker performance bugs: a profile a week ...
- [Get involved in COOL](#) and [LibreOffice Technology](#)



Collabora Online



Oh, that my words were recorded, that they were written on a scroll, that they were inscribed with an iron tool on lead, or engraved in rock for ever! I know that my Redeemer lives, and that in the end he will stand upon the earth. And though this body has been destroyed yet in my flesh I will see God, I myself will see him, with my own eyes - I and not another. How my heart yearns within me. - Job 19: 23-27

Thank you!



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