What’s new in Collabora Online?

Michael Meeks - CEO Collabora Productivity

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Lots of work over the past year:

1. Usability
2. New features
3. Interoperability
4. Performance

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1. Usability

1. Usability

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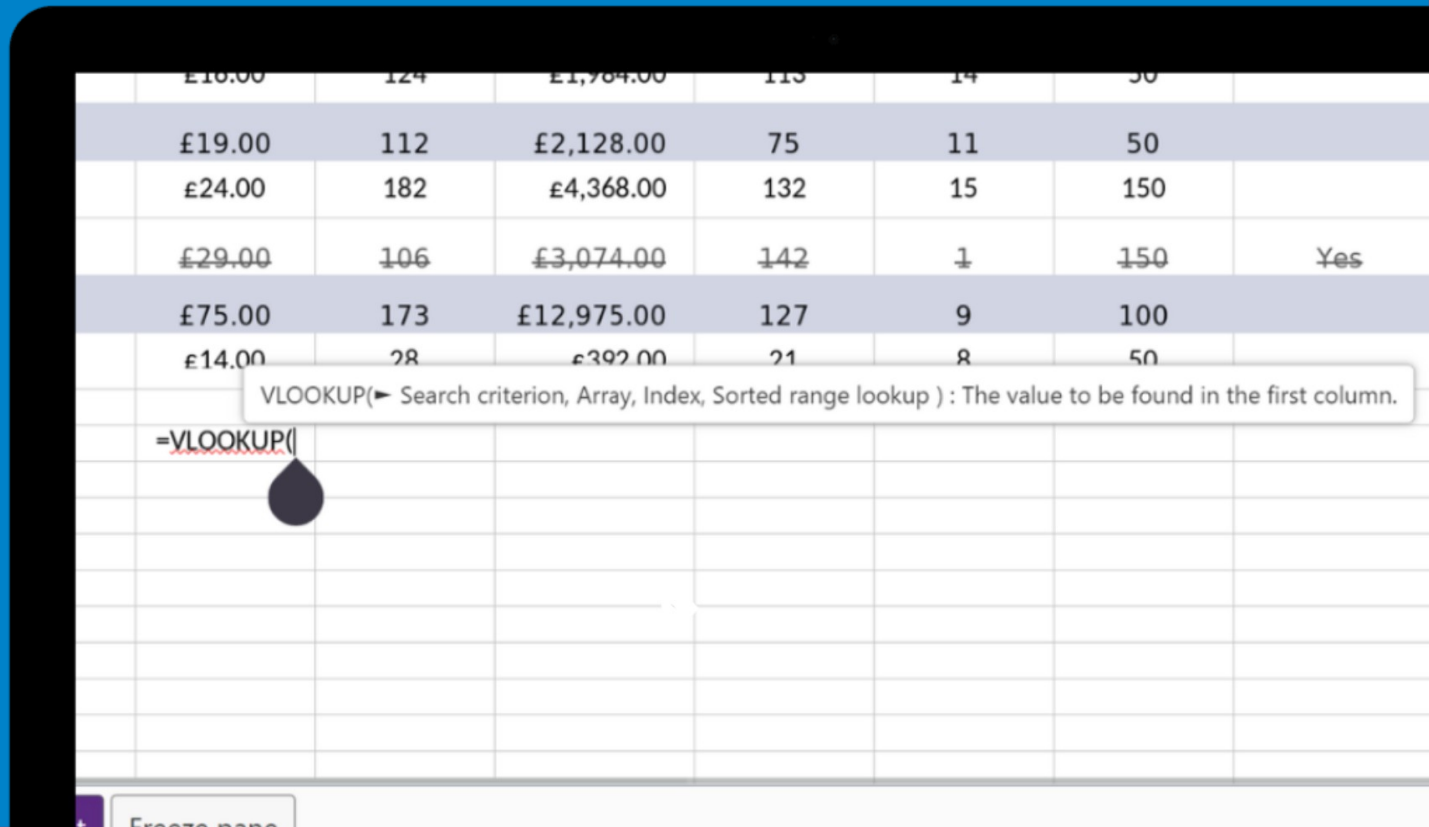
Contextual tooltips

- Start to type a formula and a list of available formulas appear



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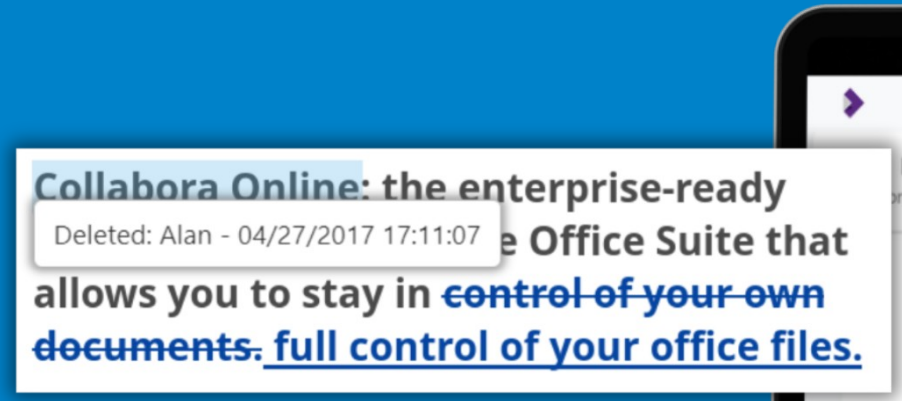
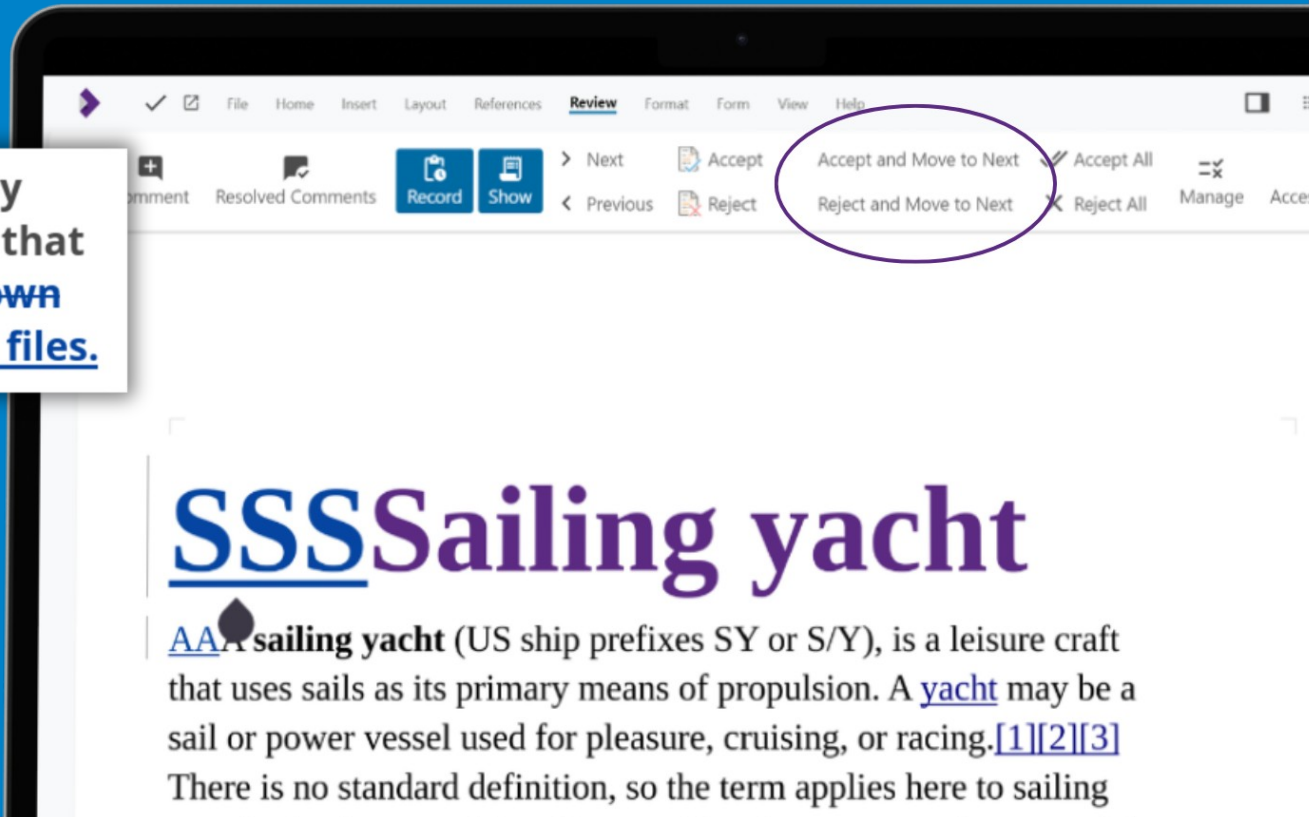
Better Tracked Change Processing





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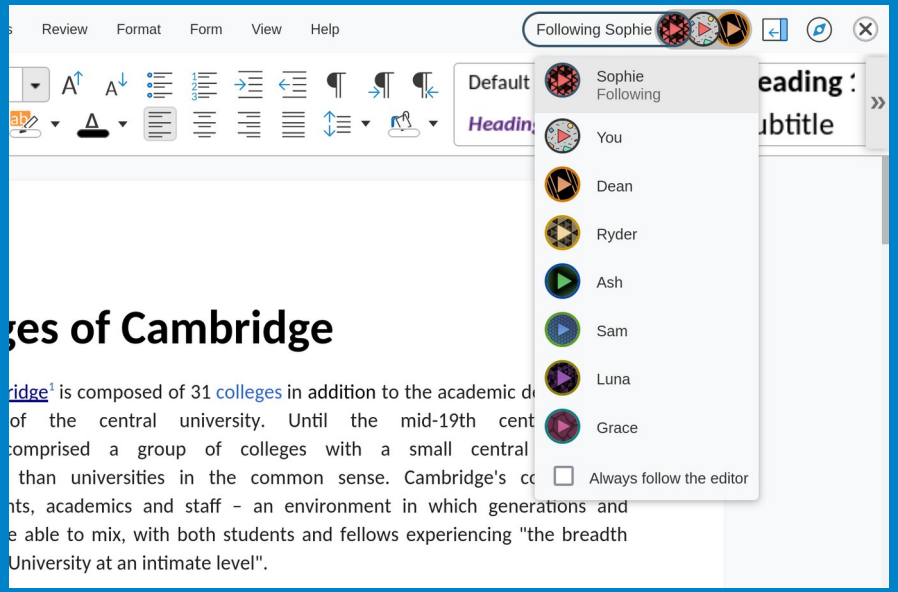
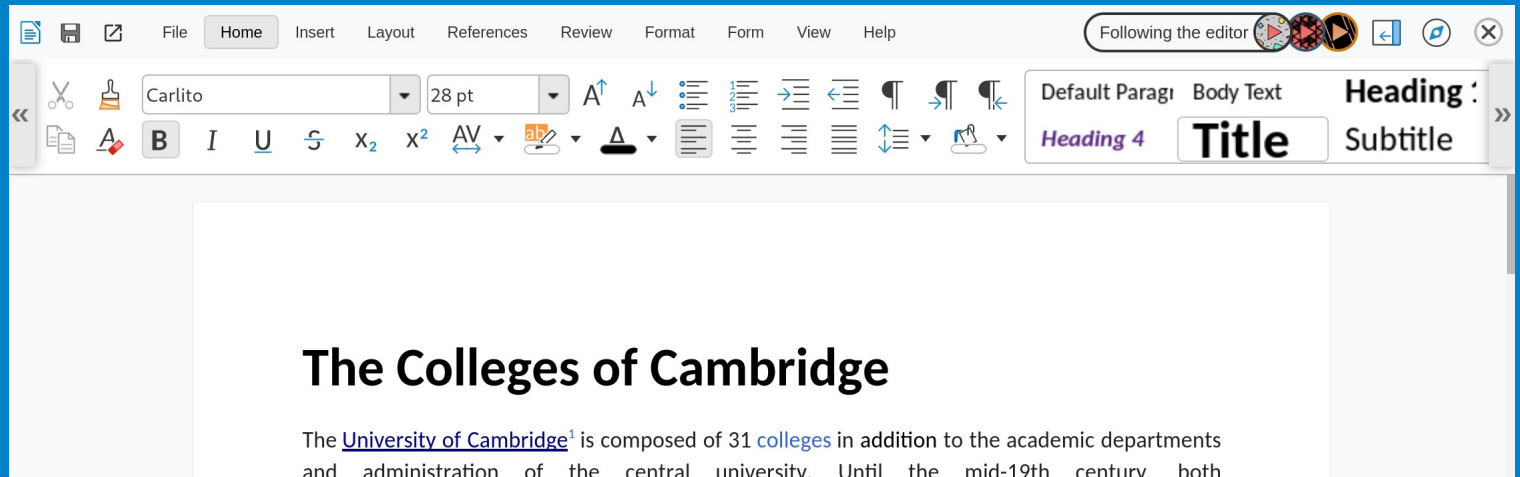
Follow users

- New interface for clarity
- Unfollow with just a click





1. Usability

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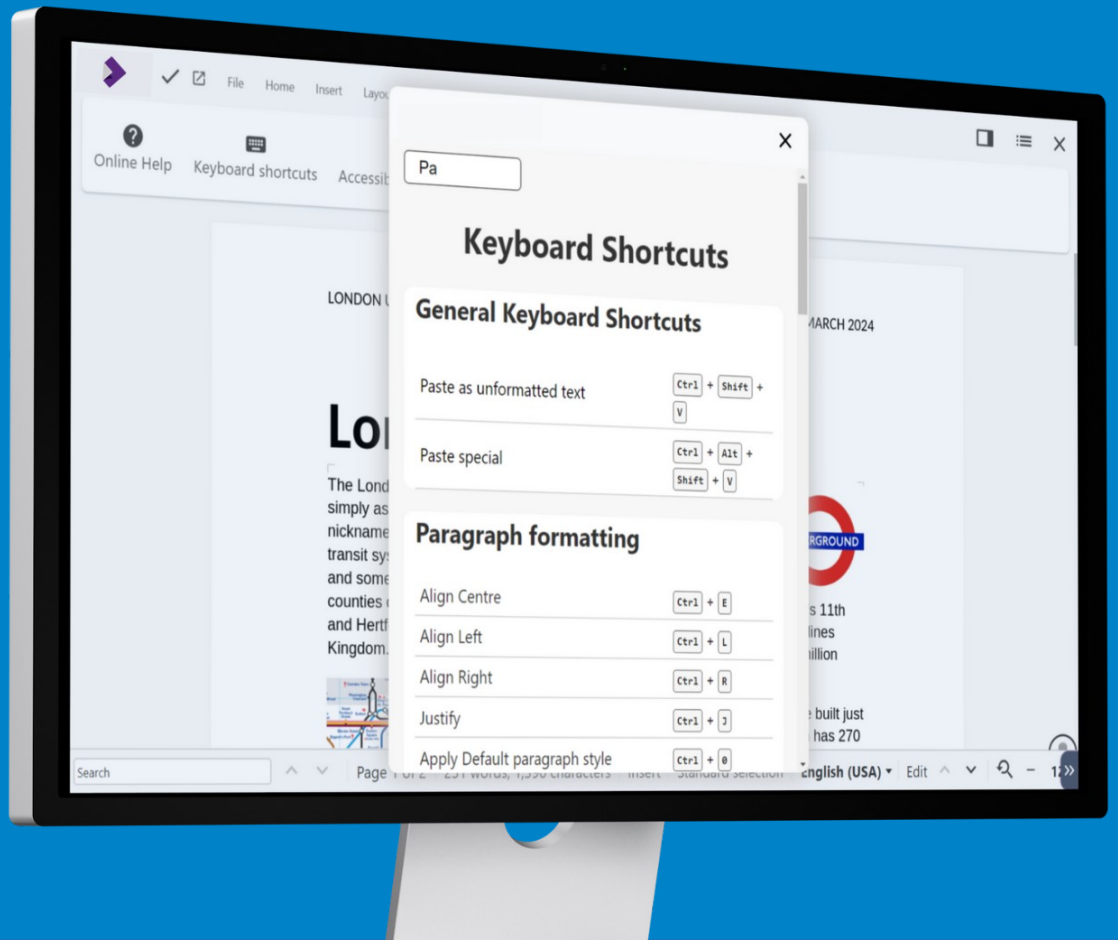
Search for help

- Find what you need straight away



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PDF Improvements

- Exporting to PDF v.1.7 by default
- Tagged PDFs produced by default
  - Include hidden accessibility markups to improve the reading experience with screen readers and other assistive technologies
- Hybrid PDFs now storing original ODF documents
  - For sharing documents with others as a pdf, while retaining the functionality of being able to modify the original file

1. Usability

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Continued Accessibility wins

- Screen reading & keyboard usability wins
- Processing lots of Audit results
  - Actively fixing and polishing large numbers of improvements
- Target full WCAG 2.0 AA conformance

1. Usability

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2. New Features

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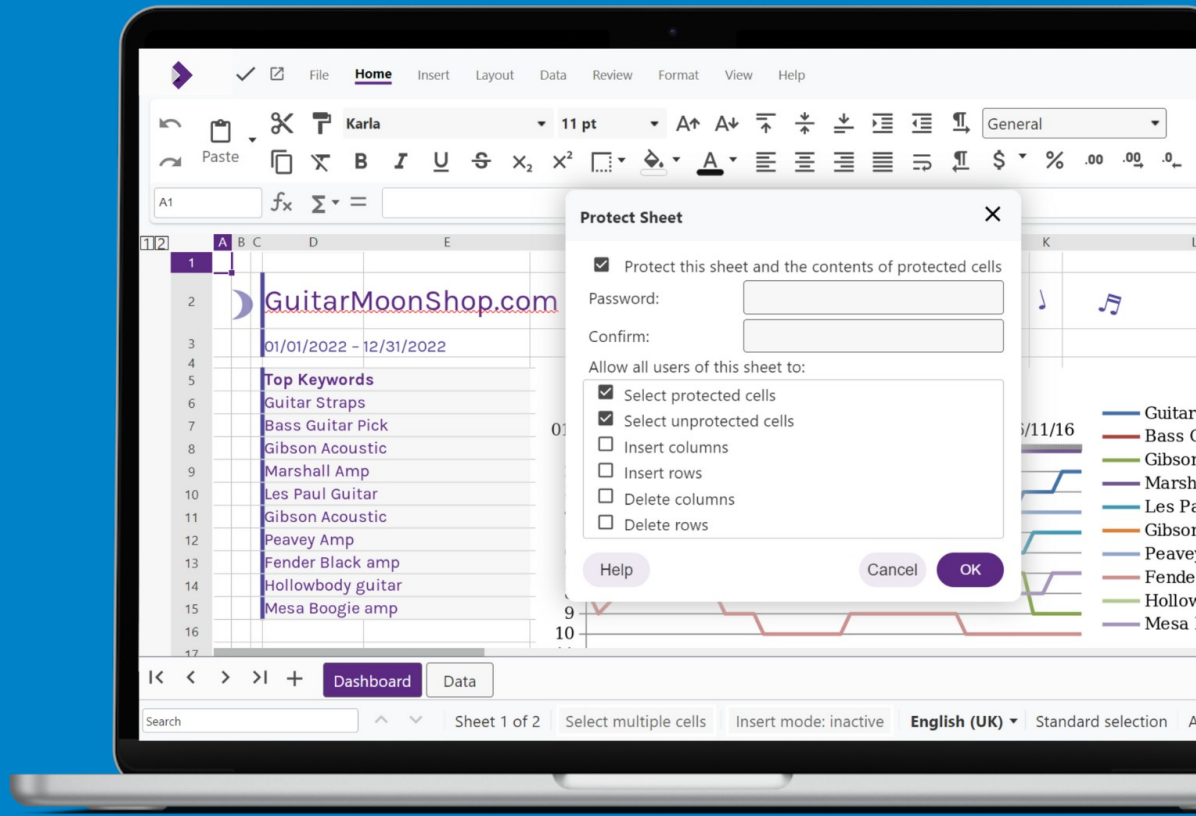
Cell Protection and Section Editing

- Greater control of data in Calc and Writer



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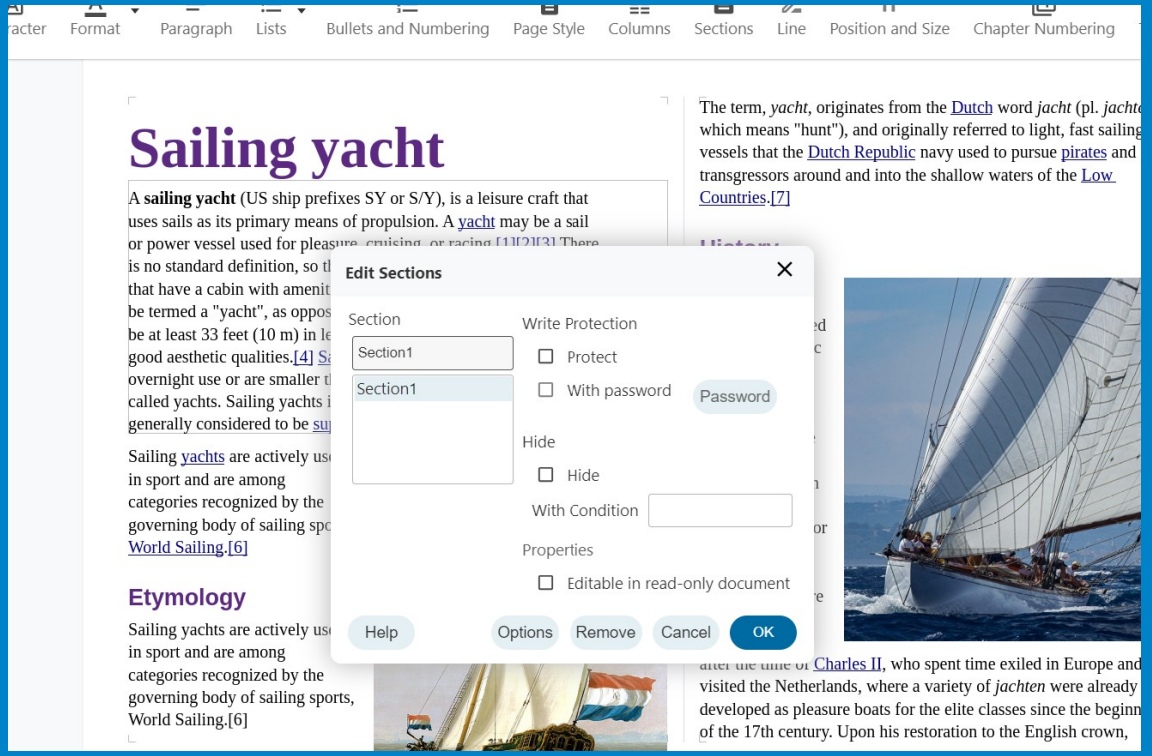

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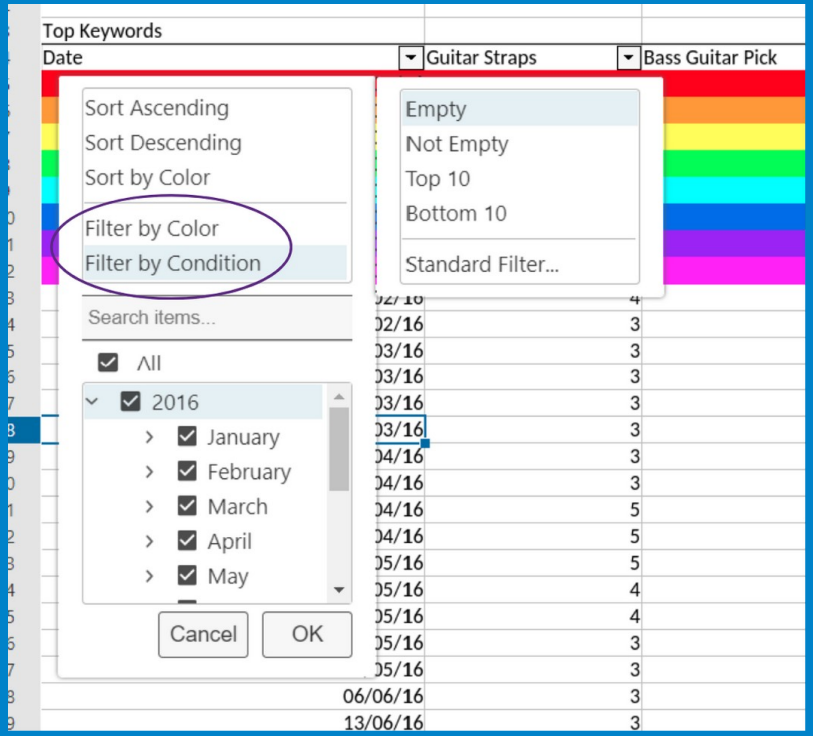
New Filter Options

- Filter by colour or condition
  - Empty/not empty cells
  - Top/bottom 10



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Improved read-only mode

- Previously, read-only access was not interactive
- Now we offer more granular control for documents and spreadsheets
  - Allow users to select document text
  - Improved Accessibility
- Plus you can also now follow hyperlinks in read-only documents

1. Usability
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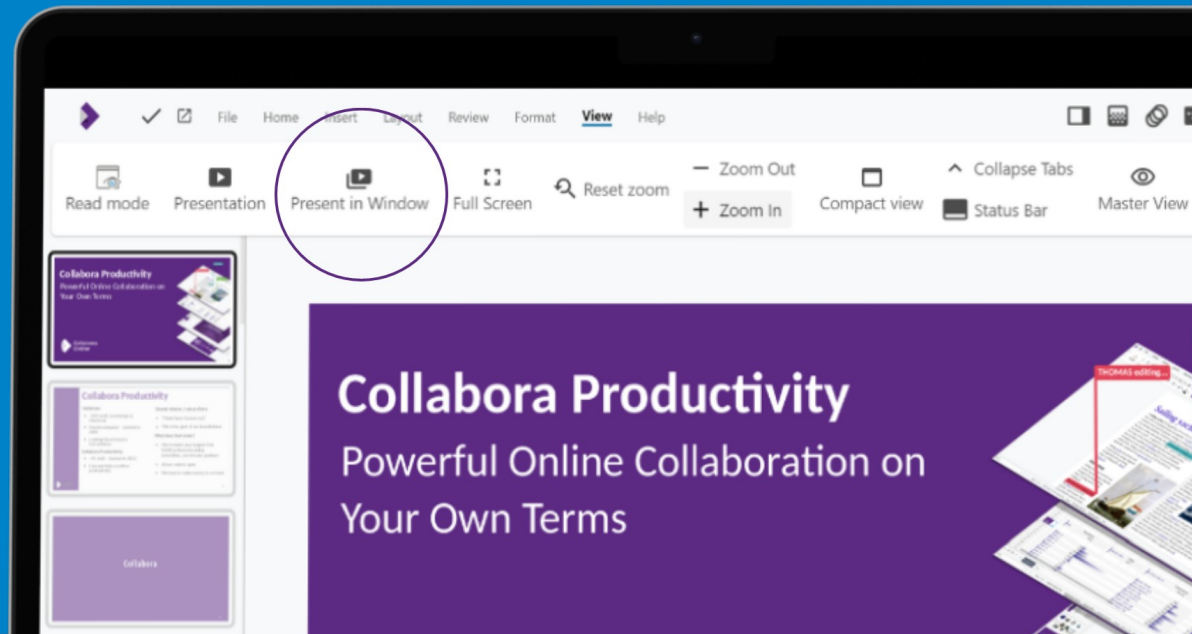
Present in Window

- New option to present slides in a new window (as opposed to a full-screen presentation)
- Useful for video conferencing and large screens



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Quarantine

- Rescue documents from corner-cases
- Imagine someone changing permissions on the document you are editing …
- Suspends the state-less-ness we know & love somewhat
  - Off by default

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Collabora Online Controller

- Improved scaling and load distribution
- Cost efficient server usage
- Perfect for large deployments

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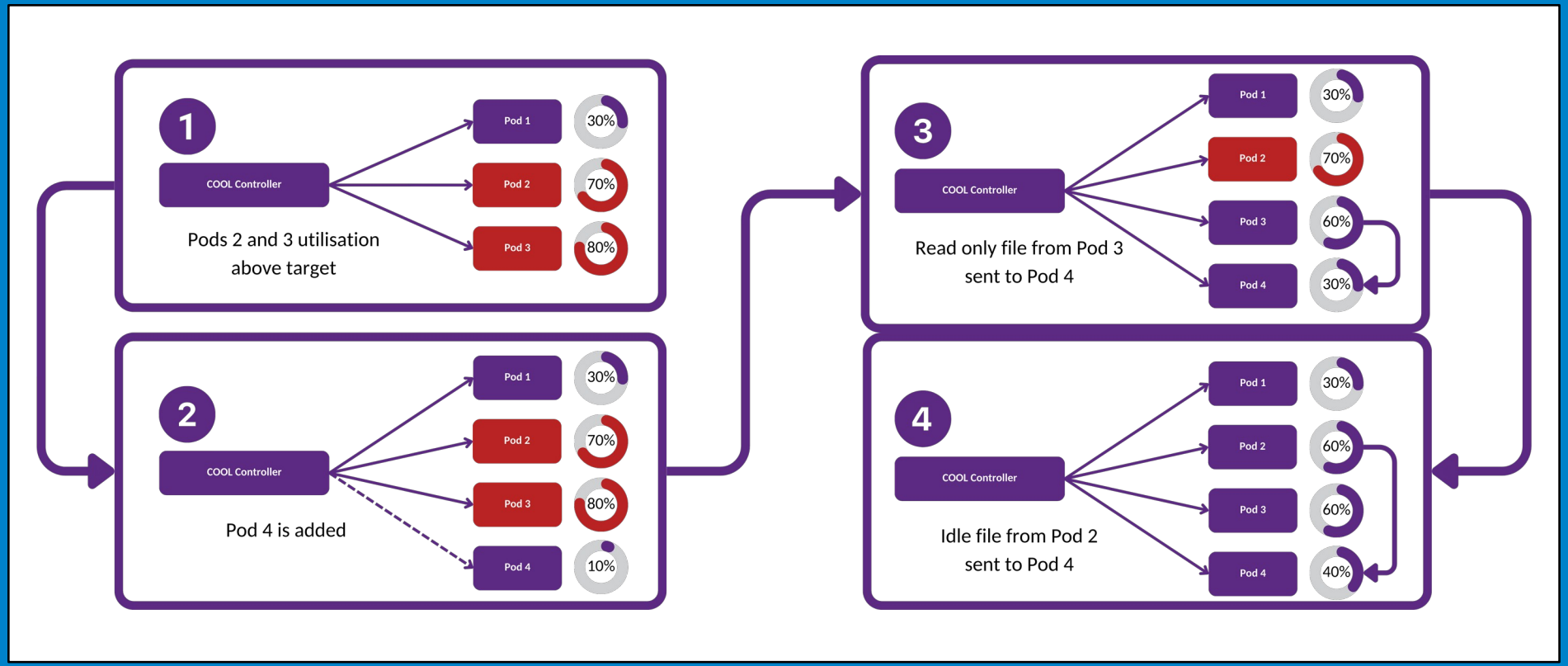
Collabora Online Controller



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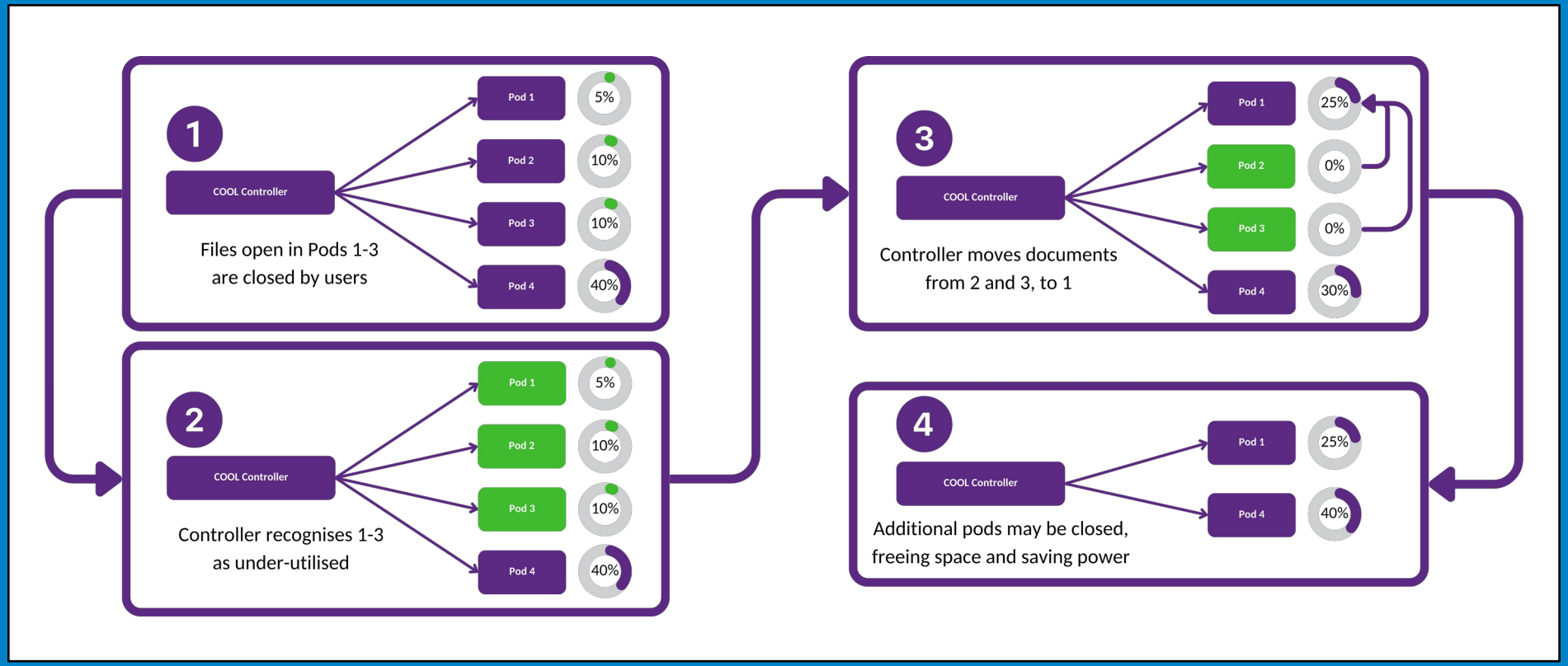
Collabora Online Controller



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Auto-save

- Auto-saving can now be carried out in the background
- Fewer interruptions to editing
- 700ms before the animation, 7ms to fork …

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3. Interoperability

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Smart Justify

- Maximised interoperability with Microsoft Word
- Good comparisons:

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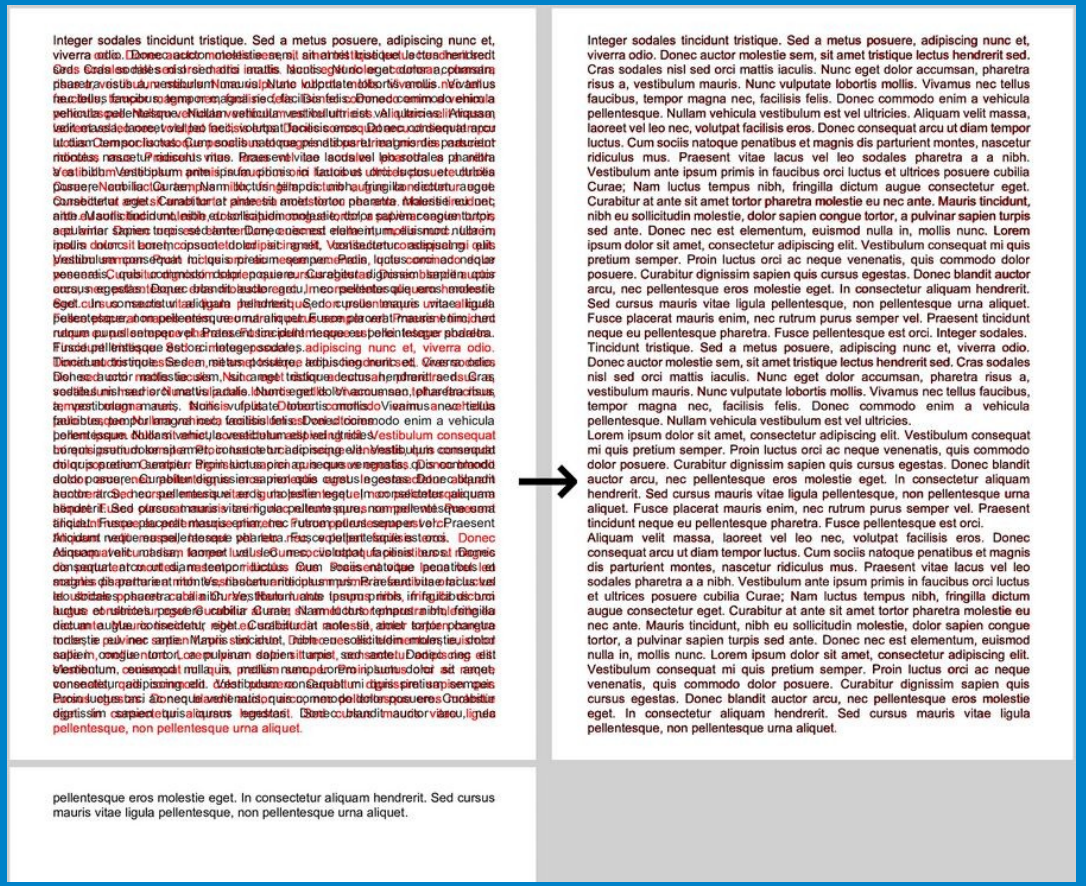

*Many thanks to László Németh, the European Commission's Next Generation Internet programme and NLnet

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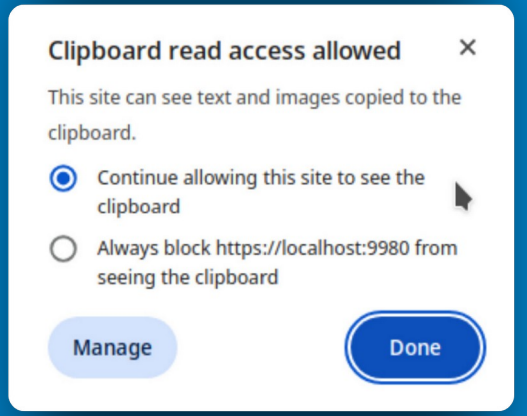
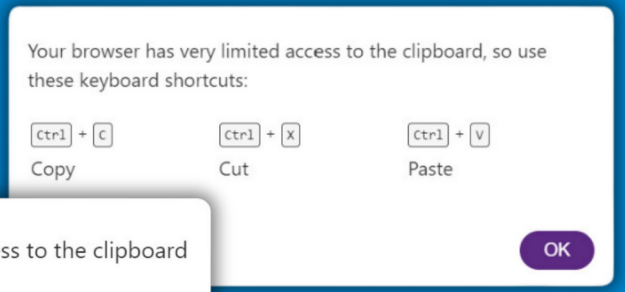
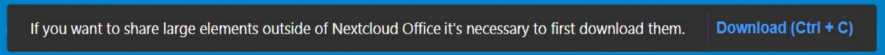
Simplifying copy and paste

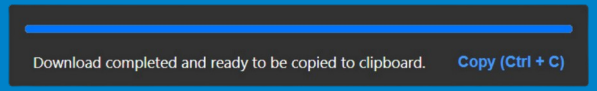
- Toolbar buttons work as expected
- Easier for the end user
- No download required

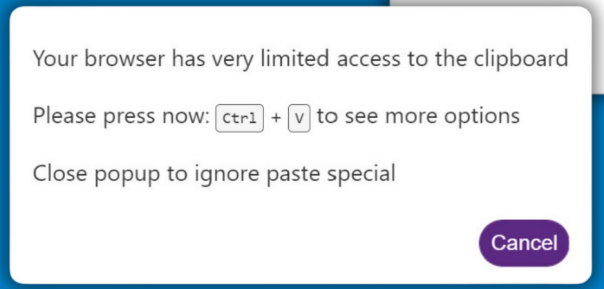


New clipboard API pop-up









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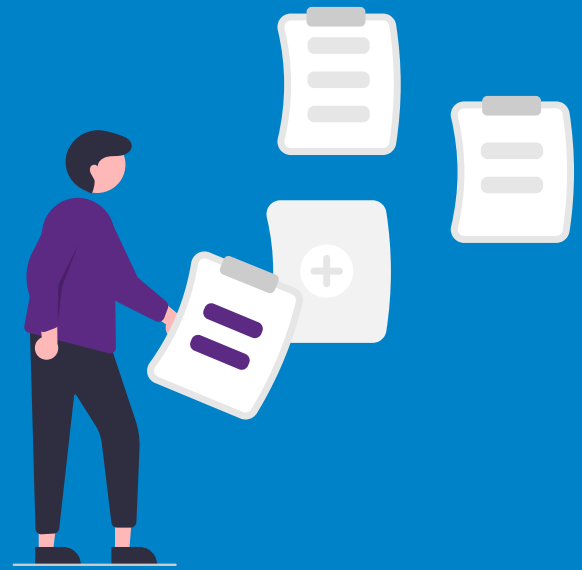
HTML Copy/paste with Google Sheets

- Reverse-engineered and documented Google Sheets extensions
  - Preserves formulae vs. values and styling
  - Ensuring that data copied from Calc includes markers such as <google-sheets-html-origin/> to fully work with Google Sheets
- Help Collabora Office Desktop ↔️ Collabora Online copy/paste, as well as from Google Sheets



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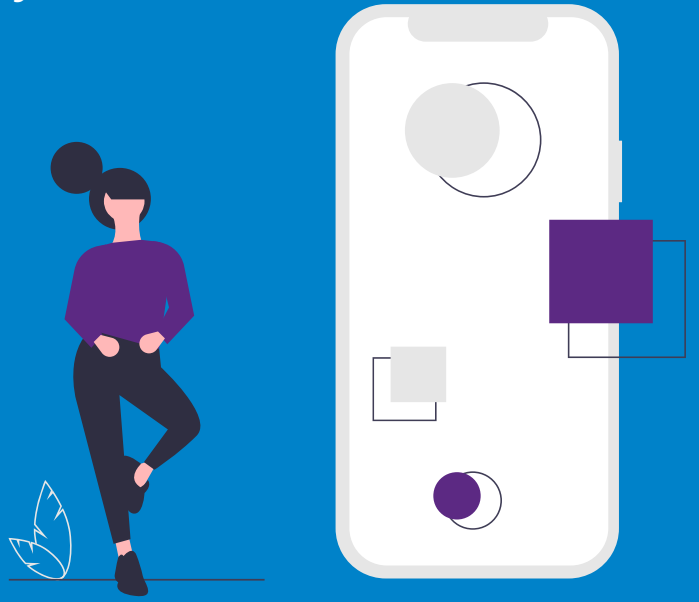
Improved Graphics Support

- Previously SVGs would default to the fallback PNG
  - OOXML should now render the SVG image correctly
- Three interoperability issues related to Windows EMF and EMF+ files have also been resolved
- Smoother experience when working with SVGs, EMF and EMF+ files



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Floating tables

- Allows your tables to span content over multiple pages inside floating frames
- Preserving layouts across platforms

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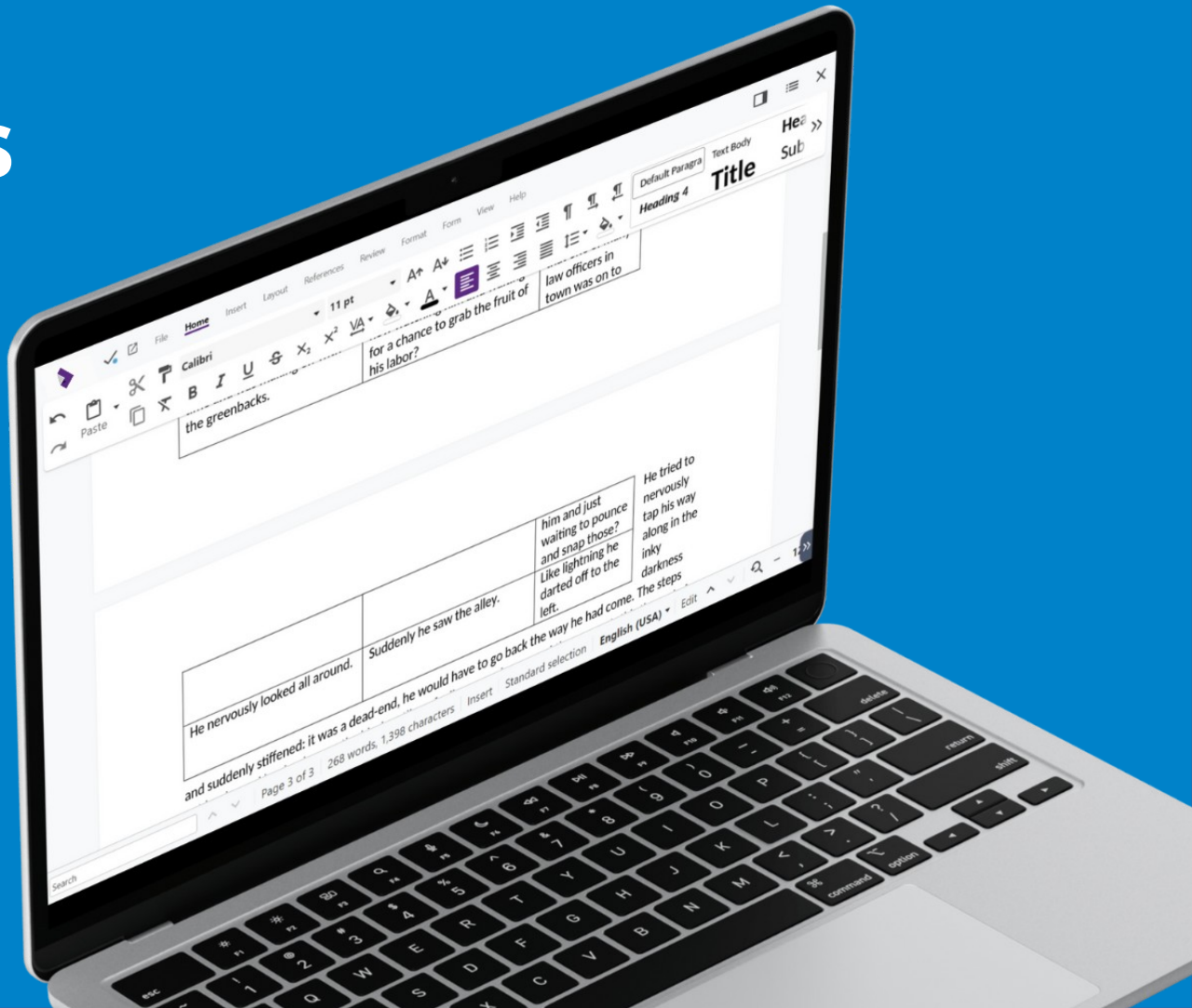

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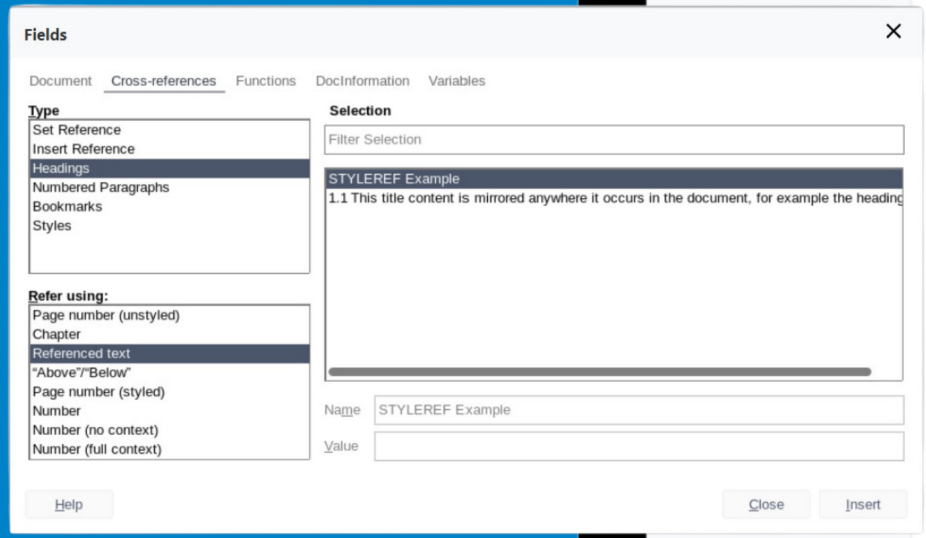
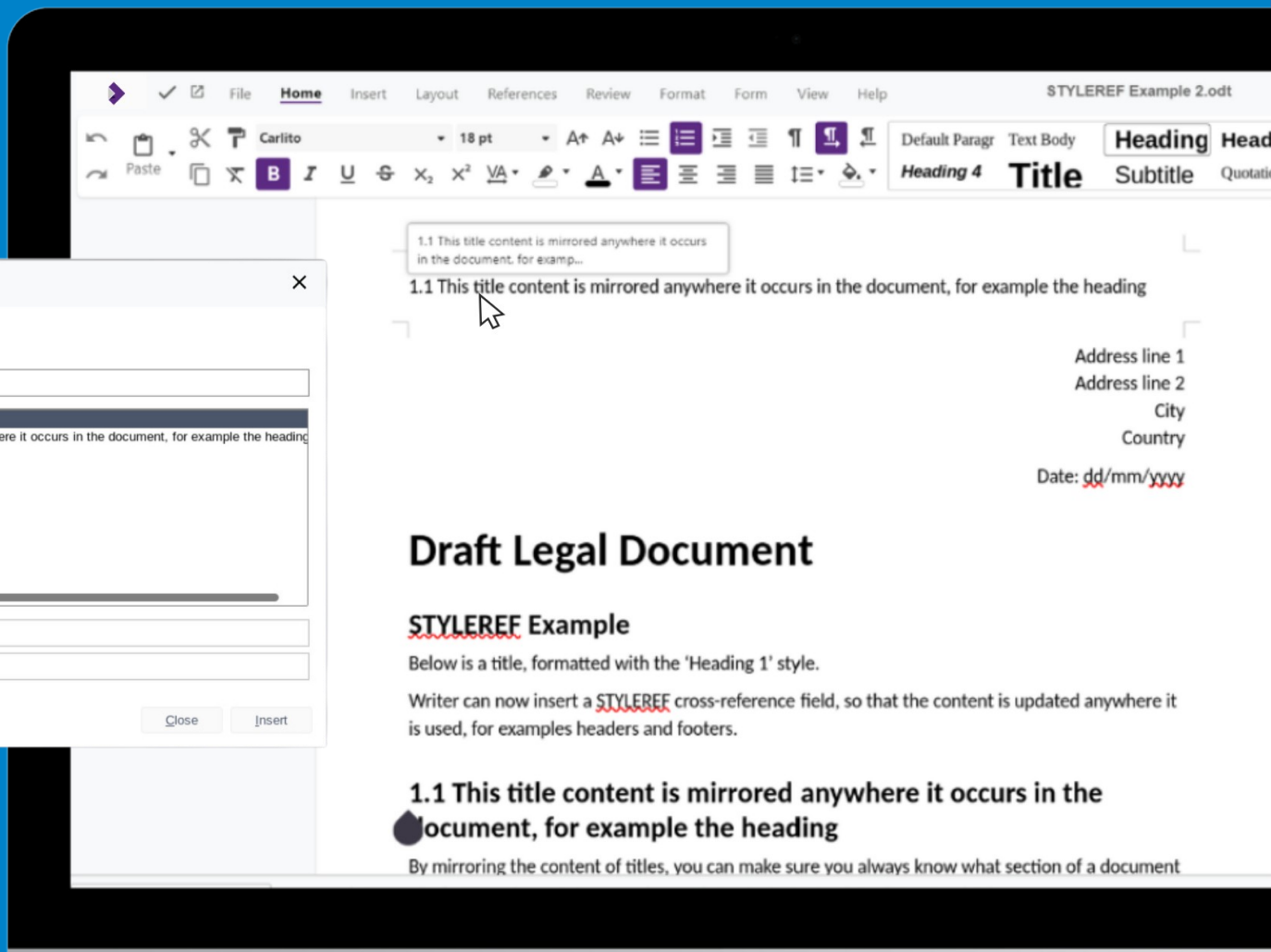
StyleRef





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Lots more hard work!

- Compact View of Pivot Tables
  - Calc can now preserve more recent Excel default of compact Pivot Tables
- Colour theming
- And much more ...

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4. Performance

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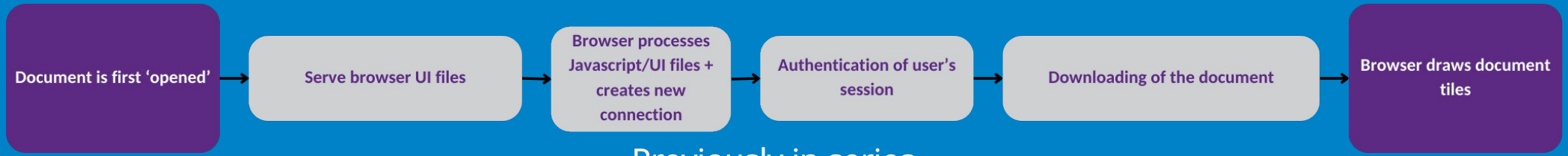
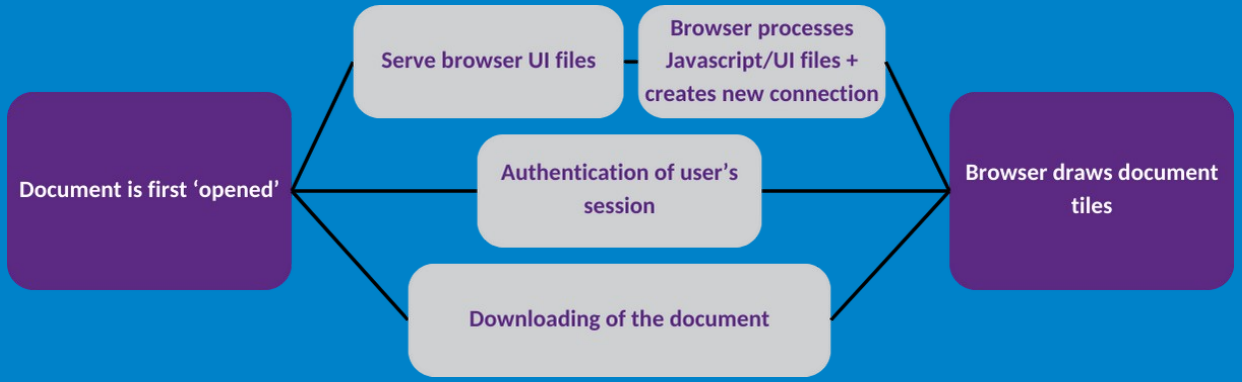
2x Faster Document Loading



Previously in series

Carrying out processes in parallel to halve load times



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Up to 2x faster in parallel

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Up to ~18x Faster Tile Compression

- This speed-boost stacks two improvements
  - **4.5x** performance from run length encoding
  - **4x** performance improvement from improved threading
- Combined for ~**18x speed boost** for tiles

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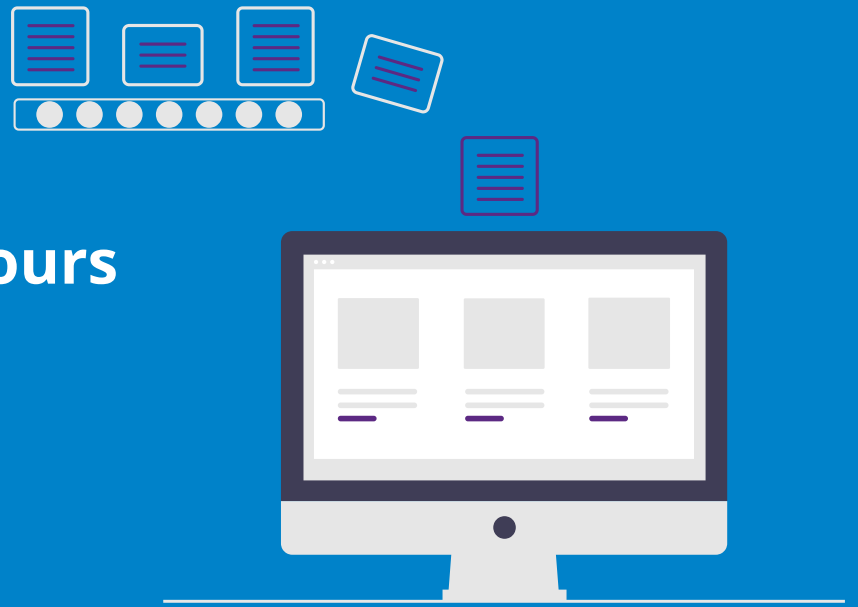
Improved threading in Calc

- We tested time for **loading**, **recalculation**, and **saving**
- **650,000** test spreadsheets
- Time reduced from **3 days**, to **36 hours**
  - **~2x speedup**



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Let us free your documents

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Thank you for listening

Any questions?

Michael Meeks - CEO Collabora Productivity