What’s new in Collabora Online?

Michael Meeks - CEO Collabora Productivity
Lots of work over the past year:

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

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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
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
2. New Features
Cell Protection and Section Editing

- Greater control of data in Calc and Writer

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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
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
Collabora Online Controller

1. Files open in Pods 1-3 are closed by users
   - Pod 1: 5%
   - Pod 2: 10%
   - Pod 3: 10%
   - Pod 4: 40%

2. Controller recognises 1-3 as under-utilised
   - Pod 1: 5%
   - Pod 2: 10%
   - Pod 3: 10%
   - Pod 4: 40%

3. Controller moves documents from 2 and 3, to 1
   - Pod 1: 25%
   - Pod 2: 0%
   - Pod 3: 0%
   - Pod 4: 30%

4. Additional pods may be closed, freeing space and saving power
   - Pod 1: 25%
   - Pod 4: 40%
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
Maximised interoperability with Microsoft Word

Good comparisons:

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Simplifying copy and paste

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

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

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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
2x Faster Document Loading

Carrying out processes in parallel to halve load times

Previously in series

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Up to 2x faster in parallel
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
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
Thank you for listening
Any questions?

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