

# What's new in Collabora Online?

Michael Meeks - CEO Collabora Productivity



#### Lots of work over the past year:

Usability
 New features
 Interoperability
 Performance



# 1. Usability



2. New features 3. Interoperability 4. Performance



# **Contextual tooltips**

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

1. Usability

2. New features
 3. Interoperability
 4. Performance

£10.00	124	£1,704.00	115	14	50									
£19.00	112	£2,128.00	75	11	50									
£24.00	182	£4,368.00	132	15	150									
£29.00	106	£3,074.00	142	1	150	Yes								
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£14.00	28	£392.00	21	8	50									
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Erecto papa



## **Better Tracked Change Processing**

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Collabora Online: the enterprise-ready Deleted: Alan - 04/27/2017 17:11:07 e Office Suite that allows you to stay in control of your own documents. full control of your office files.

#### 1. Usability

New features
 Interoperability
 Performance

# **<u>SSS</u>Sailing yacht**

Next

Previous

E

Show

6

Record

**Resolved Comments** 

AA sailing yacht (US ship prefixes SY or S/Y), is a leisure craft that uses sails as its primary means of propulsion. A yacht may be a sail or power vessel used for pleasure, cruising, or racing.[1][2][3] There is no standard definition, so the term applies here to sailing

Accept

Reject

Acce

=¥

Manage

Accept and Move to Next

Reject and Move to Next

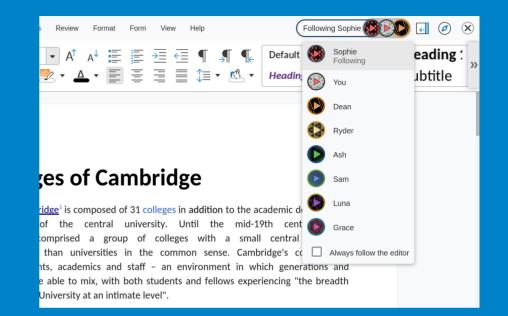
🖉 Accept All

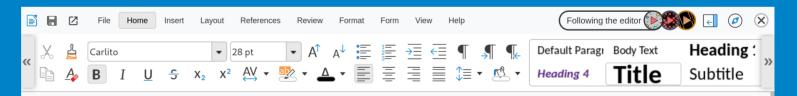
Reject All



# **Follow users**

- New interface for clarity
- Unfollow with just a click





#### The Colleges of Cambridge

The <u>University of Cambridge<sup>1</sup></u> is composed of 31 colleges in addition to the academic departments and administration of the central university. Until the mid-19th century both

#### 1. Usability

New features
 Interoperability
 Performance

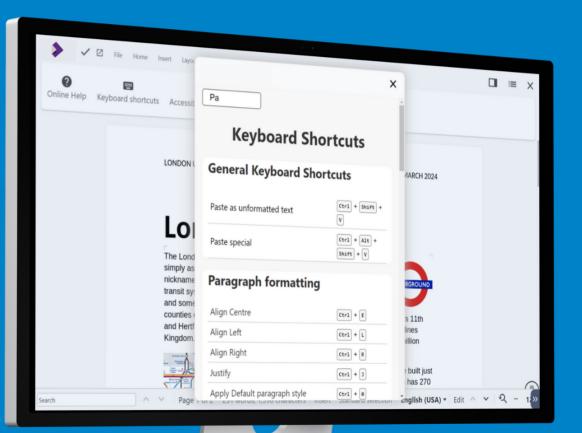


# Search for help

• Find what you need straight away



2. New features
 3. Interoperability
 4. Performance





### **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

- 2. New features
- 3. Interoperability
- 4. Performance





# **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

- 2. New features
- 3. Interoperability
- 4. Performance



#### **2. New Features**

1. Usability





# **Cell Protection and Section Editing**

 Greater control of data in Calc and Writer

1. Usability

#### 2. New features

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14	Hollowbody guitar		
15	Mesa Boogie amp	9-	И — Н
16		10 -	
17			



# **Cell Protection and Section Editing**

racter Format

 Greater control of data in Calc and Writer

1. Usability

#### 2. New features

3. Interoperability 4. Performance

#### Sailing yacht

Paragraph Lists

A sailing yacht (US ship prefixes SY or S/Y), is a leisure craft that uses sails as its primary means of propulsion. A yacht may be a sail or power vessel used for pleasure cruising or racing [1][2][3] There is no standard definition, so th Edit Sections that have a cabin with ameni be termed a "yacht", as oppos Section Write Protection be at least 33 feet (10 m) in le Section1 good aesthetic qualities.[4] S Protect overnight use or are smaller t Section1 With password called vachts. Sailing vachts generally considered to be su Hide Sailing yachts are actively use □ Hide in sport and are among categories recognized by the With Condition governing body of sailing spo World Sailing.[6] Properties Editable in read-only document

Bullets and Numbering Page Style

#### Etymology

Sailing yachts are actively us in sport and are among categories recognized by the governing body of sailing sports, World Sailing.[6]

vessels that the Dutch Republic navy used to pursue pirates and transgressors around and into the shallow waters of the Low Countries.[7] 1.12 - A - mark ×

Password

Cancel

Remove

Columns Sections Line Position and Size Chapter Numbering

The term, yacht, originates from the Dutch word jacht (pl. jachte

which means "hunt"), and originally referred to light, fast sailing



and the une of Charles II, who spent time exiled in Europe and visited the Netherlands, where a variety of *jachten* were already developed as pleasure boats for the elite classes since the beginn of the 17th century. Upon his restoration to the English crown,

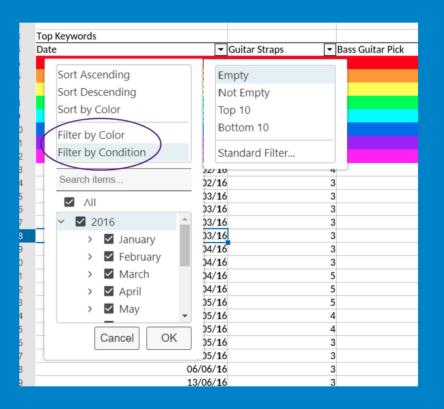


# **New Filter Options**

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

1. Usability

#### 2. New features





# 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

#### 2. New features





#### **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

1. Usability

#### 2. New features





# 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

1. Usability

#### 2. New features





# **Collabora Online Controller**

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

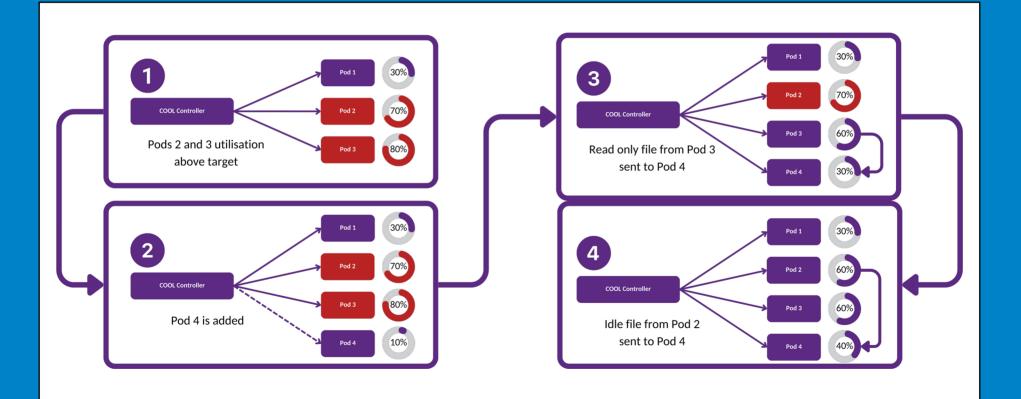
1. Usability

#### 2. New features



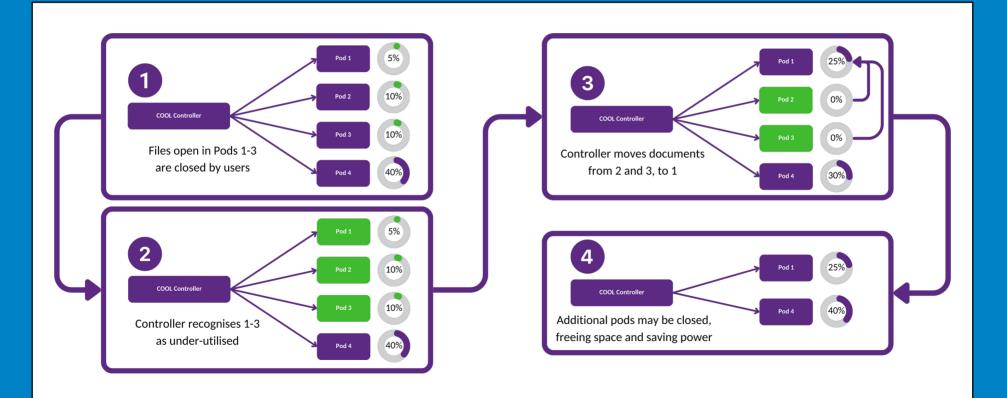


### **Collabora Online Controller**





### **Collabora Online Controller**





#### **Auto-save**

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

1. Usability

#### 2. New features





# 3. Interoperability

Usability
 New features





# Smart Justify

- Maximised interoperability with Microsoft Word
- Good comparisons:

Usability
 New features

#### 3. Interoperability

4. Performance

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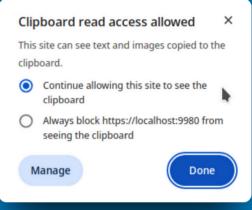
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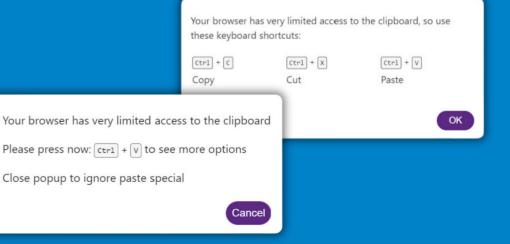


# Simplifying copy and paste

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



#### New clipboard API pop-up



If you want to share large elements outside of Nextcloud Office it's necessary to first download them. Download (Ctrl + C)

Download completed and ready to be copied to clipboard. Copy (Ctrl + C)



# 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

Usability
 New features

#### 3. Interoperability





# **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

Usability
 New features

#### 3. Interoperability

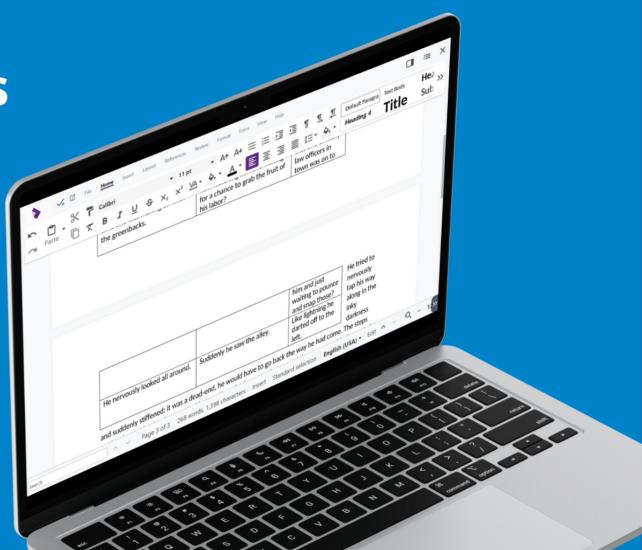




# **Floating tables**

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

#### 3. Interoperability





Fields

Туре Set Reference

Insert Reference Headings

Bookmarks Styles

Refer using:

Number

Help

Numbered Paragraphs

Page number (unstyled) Chapter Referenced text "Above"/"Below Page number (styled)

Number (no context)

Number (full context)

# **StyleRef**

Document Cross-references Functions DocInformation Variables

Selection

Name

Value

Filter Selection

STYLEREF Example

STYLEREF Example

1.1 This title content is mirrored anywhere it occurs in the document.

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#### **Draft Legal Document**

#### STYLEREF Example

Paste

Close

Insert

Below is a title, formatted with the 'Heading 1' style.

Writer can now insert a STYLEREE cross-reference field, so that the content is updated anywhere it is used, for examples headers and footers.

#### 1.1 This title content is mirrored anywhere it occurs in the ocument, for example the heading

By mirroring the content of titles, you can make sure you always know what section of a document

1. Usability 2. New features

#### 3. Interoperability



### 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 ...
- Usability
  New features

#### 3. Interoperability

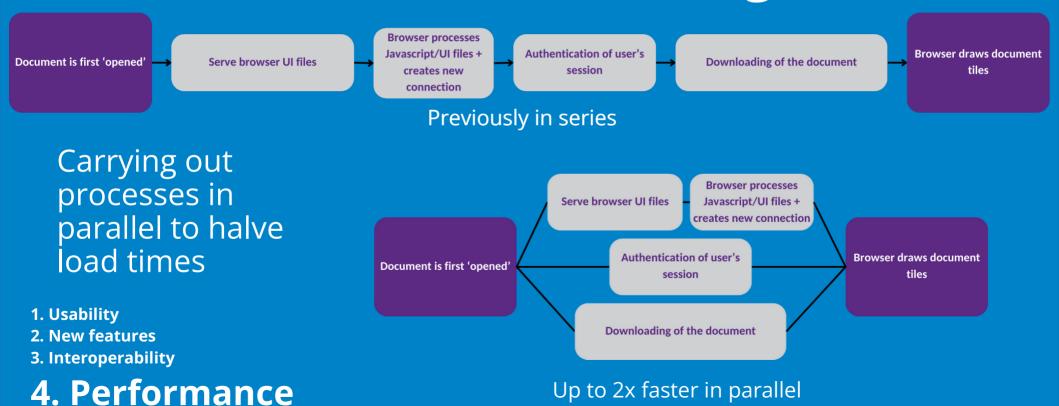


- 1. Usability 2. New features
- 3. Interoperability





#### **2x Faster Document Loading**





# **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

- 1. Usability
- 2. New features
- 3. Interoperability





# 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
- 1. Usability
- 2. New features
- 3. Interoperability





#### Lots of work over the past year! Let us free your documents



#### Thank you for listening Any questions?

Michael Meeks - CEO Collabora Productivity