

Building Collabora Online Ul

based on the LibreOffice components

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Agenda

What is JSDialogs?

• Initial usage in "mobile wizard"

Dialogs and sidebar

- Optimization: 3 different types of messages
- New widgets
- Sidebar introduced in Collabora Online



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What is JSDialogs?

"framework" to share UI components between LibreOffice and Collabora Online

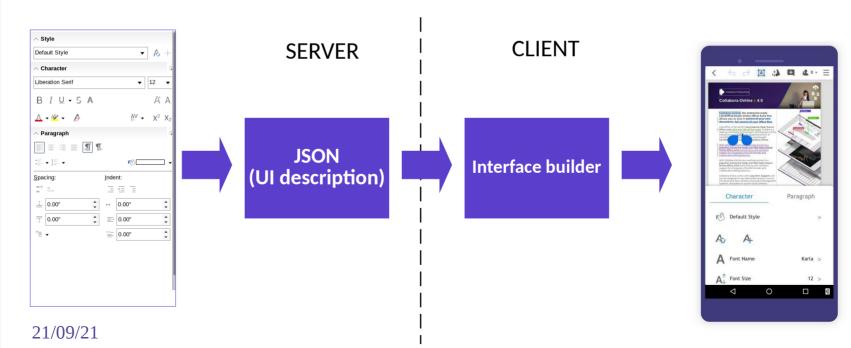


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What is JSDialogs?

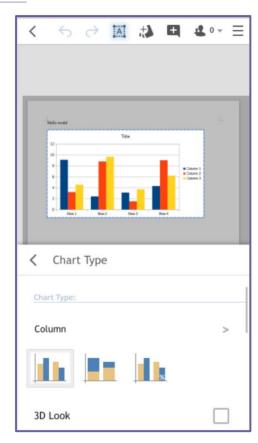
It describes UI using JSON notation which is transferred to Online where native HTML widgets are created. It offers communication in both direction so dialogs are interactive.







Initial usage in "mobile wizard"



Mobile wizard

- It's sidebar from LibreOffice transformed to mobile-friendly wizard
- Provides advanced editing options
- Is context dependant

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Dialogs and sidebar





Optimization: 3 types of messages



Types of messages:

- Full window update (initial message)
- Single widget update (content change)
- Action in the widget (selection)

Impact:

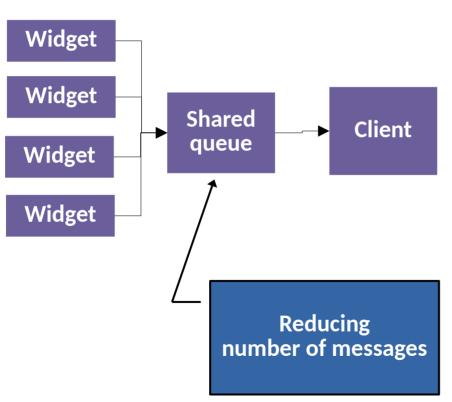
- Reduced transfer size
- Faster updates
- Dialog updates when typing in field



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Optimization: queue for messages



Now widgets are using queue shared for every widget in one dialog

- We reduce number of messages to send
- Example: if full update appears in the queue, other messages can be removed
- Lazy message generation: we generate
 JSON just before sending to be sure it is always up to date

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Icon View

Pomoc

Styl domyślny

Styl domyślny

Format



Treść tekstu



Podtytuł

Tytuł

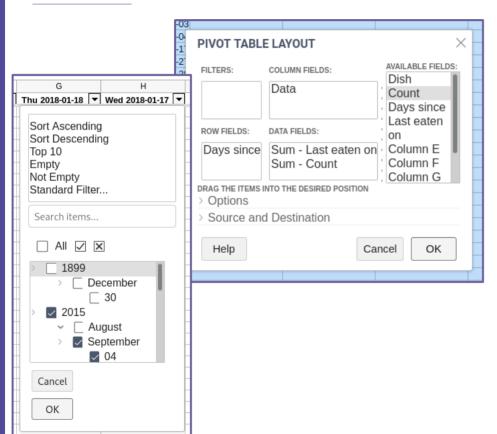
- New fontwork dialog
- It uses native icon view best choice for set of custom rendered entries
- Icon view was also introduced to notebookbar as a replacement for 4 previews with buttons
 - It makes easier to find styles in a long list



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Tree view widgets, Drag and Drop



- Tree view widget was implemented what allowed us to provide new features:
 - Pivot table creator
 - Improved autofilter dropdown
 - Define / Manage named ranges
- Pivot table dialog supports drag and drop – user can move elements between lists

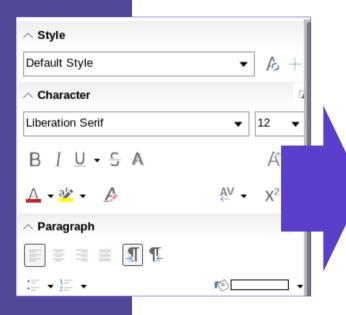


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Sidebar

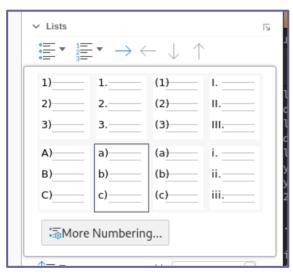


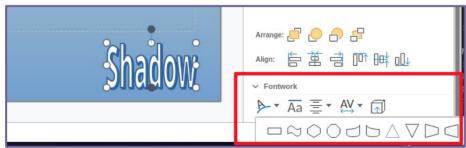


- Native HTML controls instead of canvas
- Possible to style using CSS, more consistent look of the application
- Better user experience with scrolling and selecting from the listboxes (especially for touch screen devices)



Sidebar





Dropdowns

 Toolboxes and menubuttons now support dropdowns with custom windows

New Fontwork panel

- User can edit fontwork directly from the sidebar or mobile wizard
- Shape, character spacing etc.



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