

2021 - All about



# New sidebar & dialog backend

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# Agenda

## What is JSDialogs?

- Initial usage in “mobile wizard”

## Dialogs and sidebar

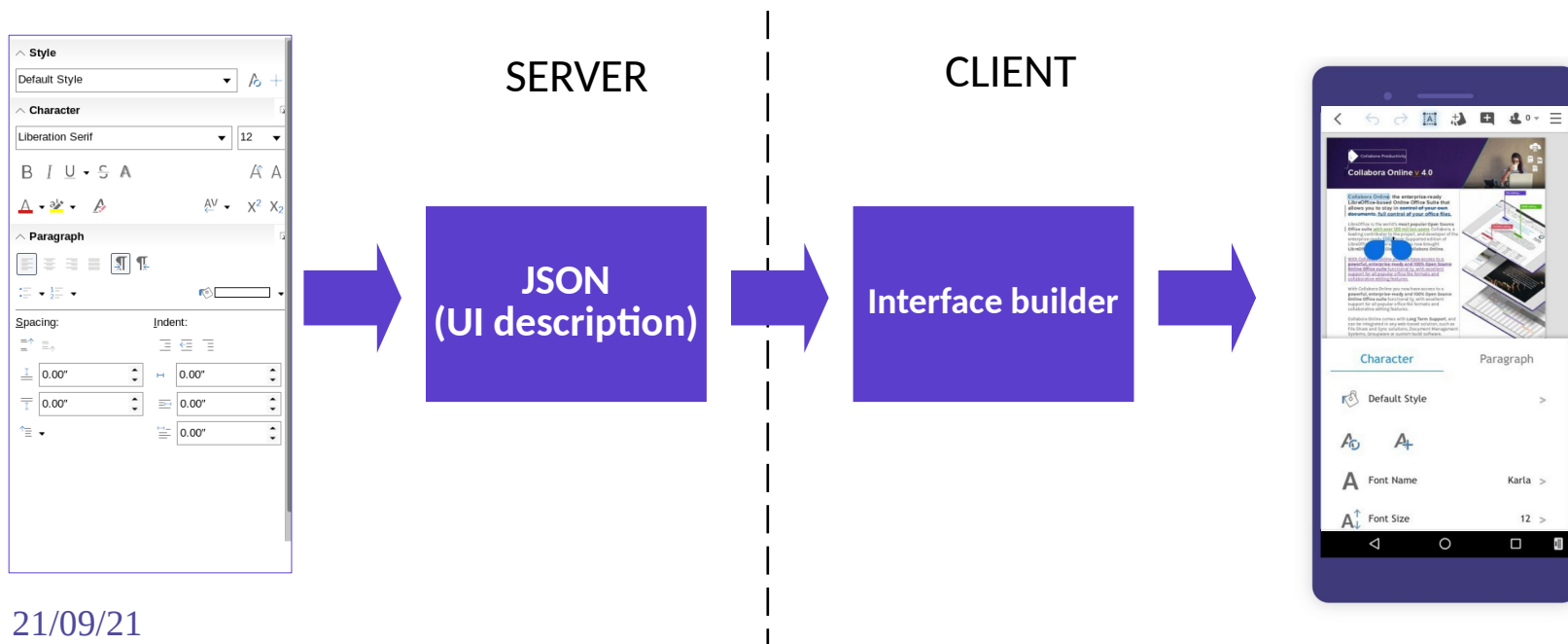
- Optimization: 3 different types of messages
- New widgets
- Sidebar introduced in Collabora Online

# What is JSDialogs?

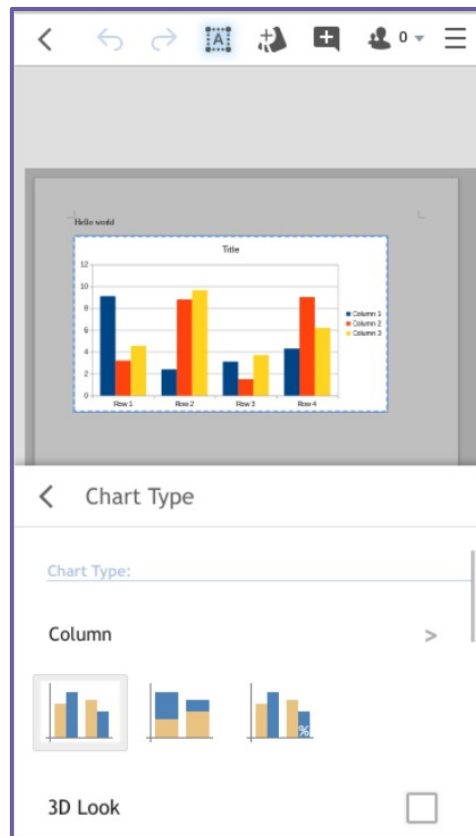
“framework” to share UI components between  
LibreOffice and Collabora Online

# 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



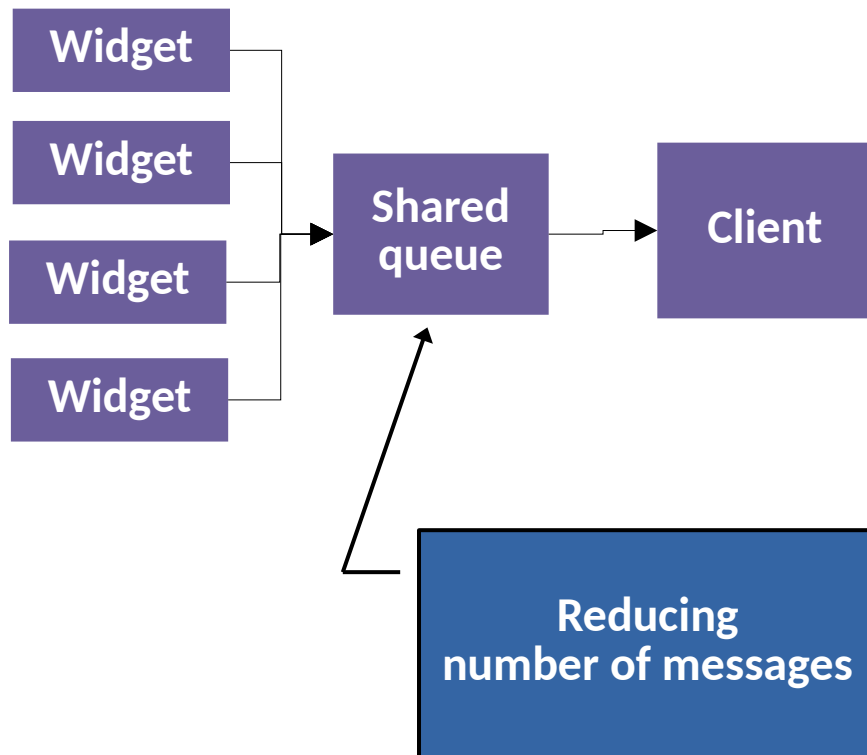
## Types of messages:

- 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

# 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



# Icon View

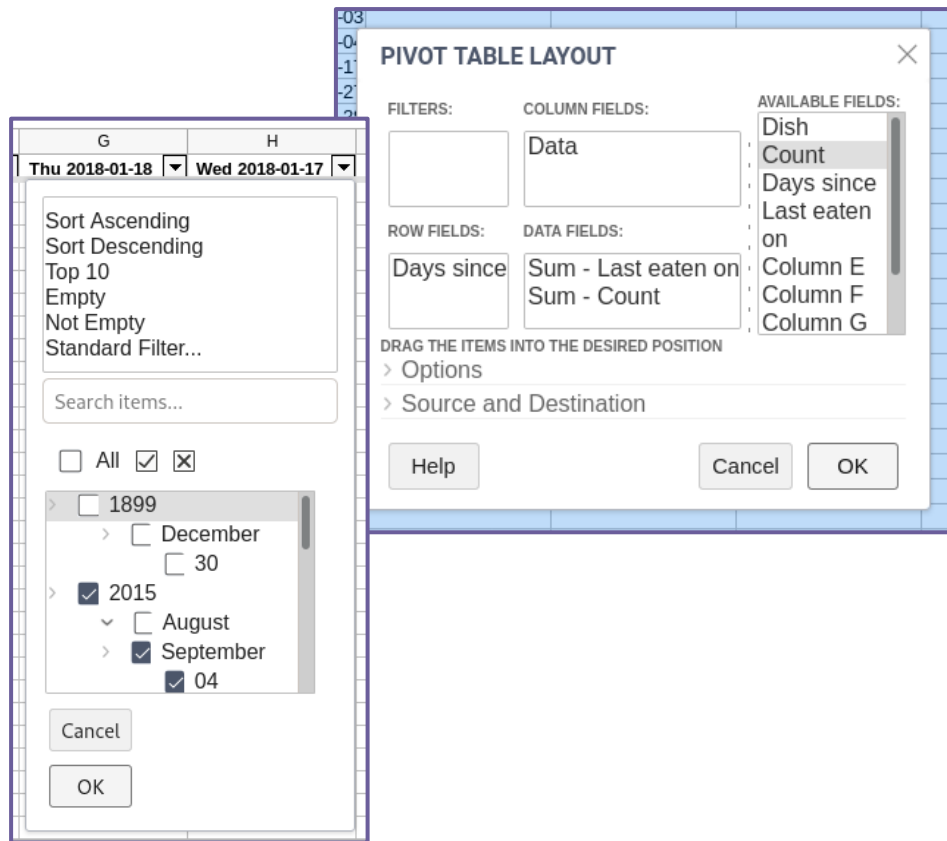


- New fontwork dialog
- It uses native icon view – best choice for set of custom rendered entries
- Icon view was also introduced to notebookbar as a replacement for 4 previews with buttons

It makes easier to find styles in a long list

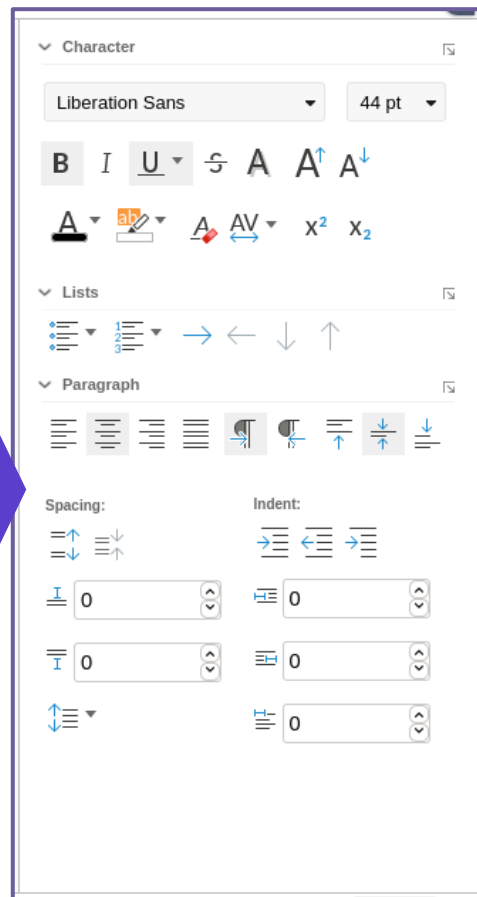
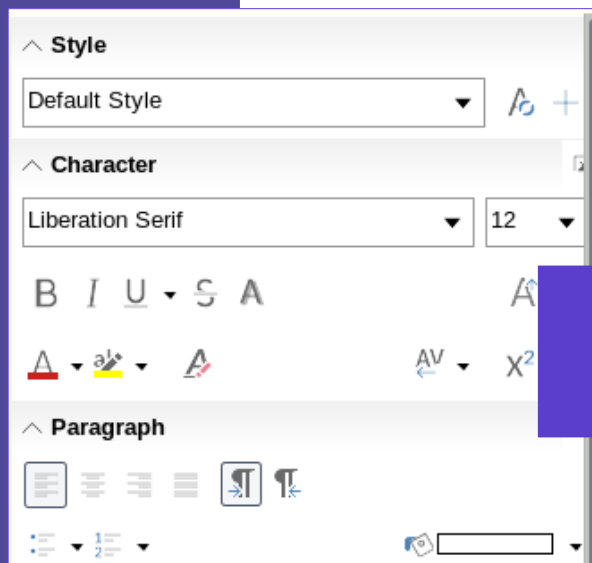


# Tree view widgets, Drag and Drop



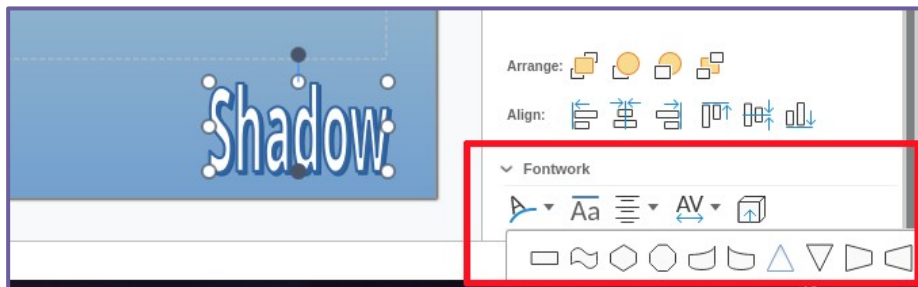
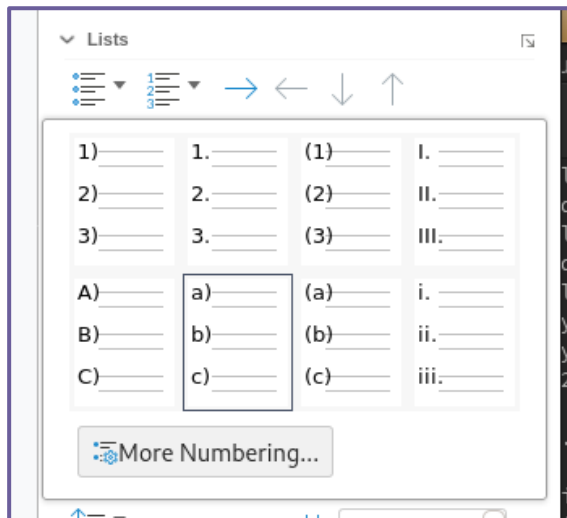
- Tree view widget was implemented what allowed us to provide new features:
  - Pivot table creator
  - Improved autofilter dropdown
  - Define / Manage named ranges
- Pivot table dialog supports drag and drop – user can move elements between lists

# 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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# Thanks !



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