Collabora Productivity

# New features in the Online since the last conference

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**Collabora Productivity**

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# LibreOffice Online

**High fidelity, WYSIWYG rendering**

- A tough problem; 20+ years of code.

**Great Interoperability Support:**

- DOC, DOCX, PPT, PPTX, XLS, XLSX + ODF.

- Import/View Visio, Publisher + 100 more

**Easy to deploy**

- No database, plain C++ binaries, no expensive dependencies, just eg. use the CODE docker

**Rich Document Collaboration**

- More and more features known from the desktop LibreOffice exposed with every version

# What does it look like

# What does it look like #2



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# The New Features

# Avatar support in Nextcloud

**September 2017**

- Implemented in richdocuments by Lukas Reschke (Nextcloud) during the conference :-)

- The support in the Online was pre-existing though
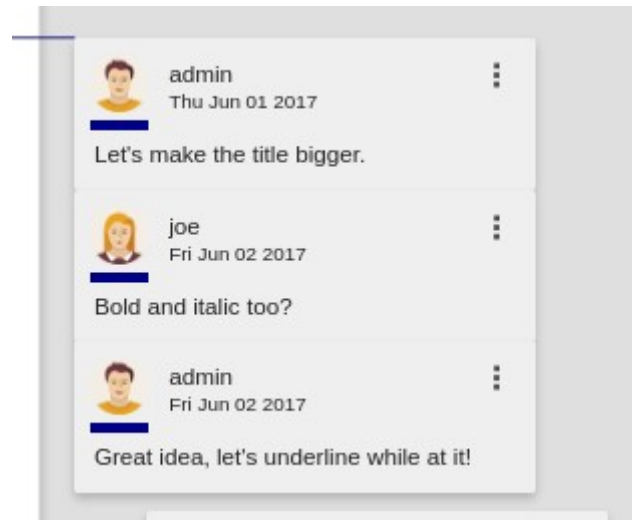
# Spell checking support

**In Writer, Calc and Impress**

- Including new menu item to turn on/off the automatic spell checking – needed some LibreOffice fixes too

- Submenus to switch the languages and statusbar to indicate the current language added too

- Henry Castro, Andras Timar (Collabora)
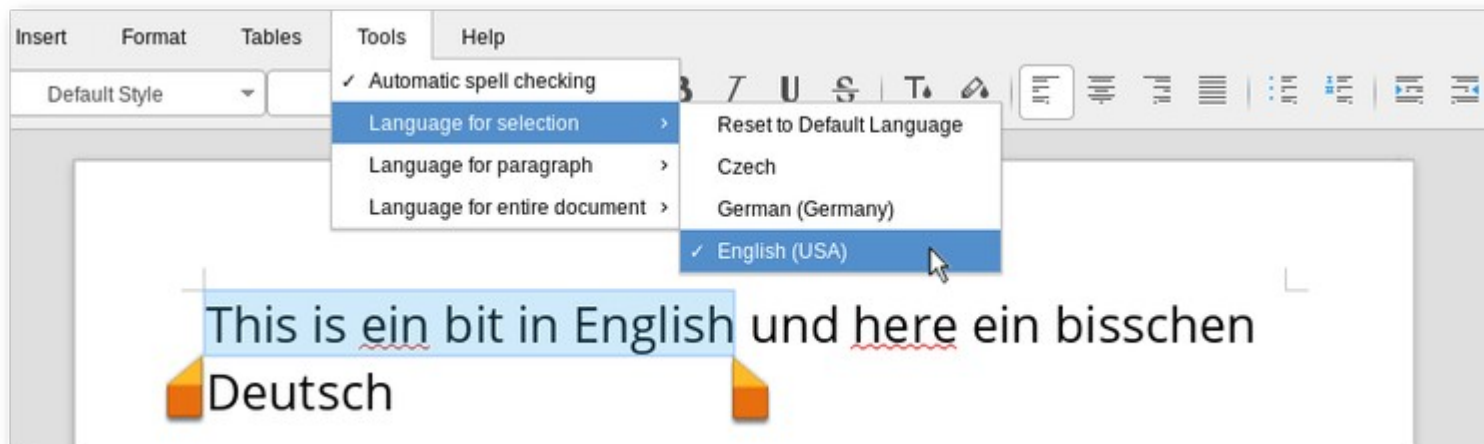
# Save As support

**Implemented using the WOPI's PutFileRelative entry point**

- Needed to be implemented on several levels

  - Infrastructure work in loolwsd

  - User interface – Save As… menu and input field

  - Support in the integrations (richdocuments)

- Done by Aditya Dewan (GSoC), Pranav Kant (Collabora) and Jan Holesovsky (Collabora)
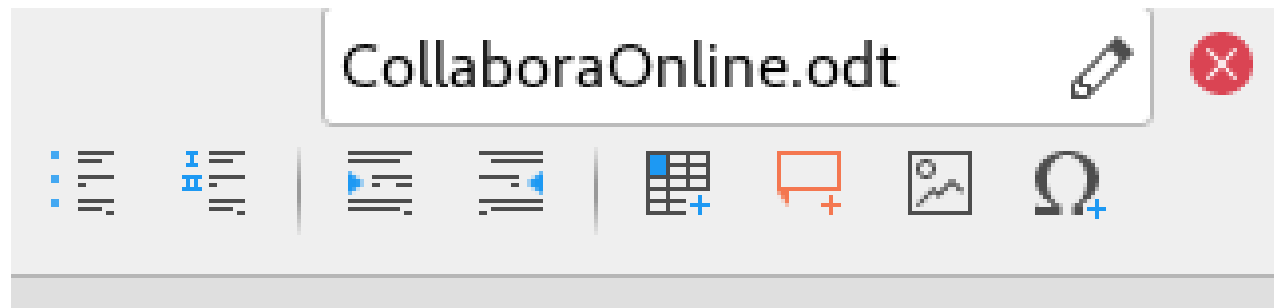
# Dialogs from LibreOffice

**Exposing advanced features via dialog tunneling**

- Advanced character, paragraph and page properties

- Line, fill, cell properties, etc.

- All that collaboratively!

- Dialogs exposed online have to be async

  - See a separate presentation about that

- Done by Pranav Kant (Collabora)
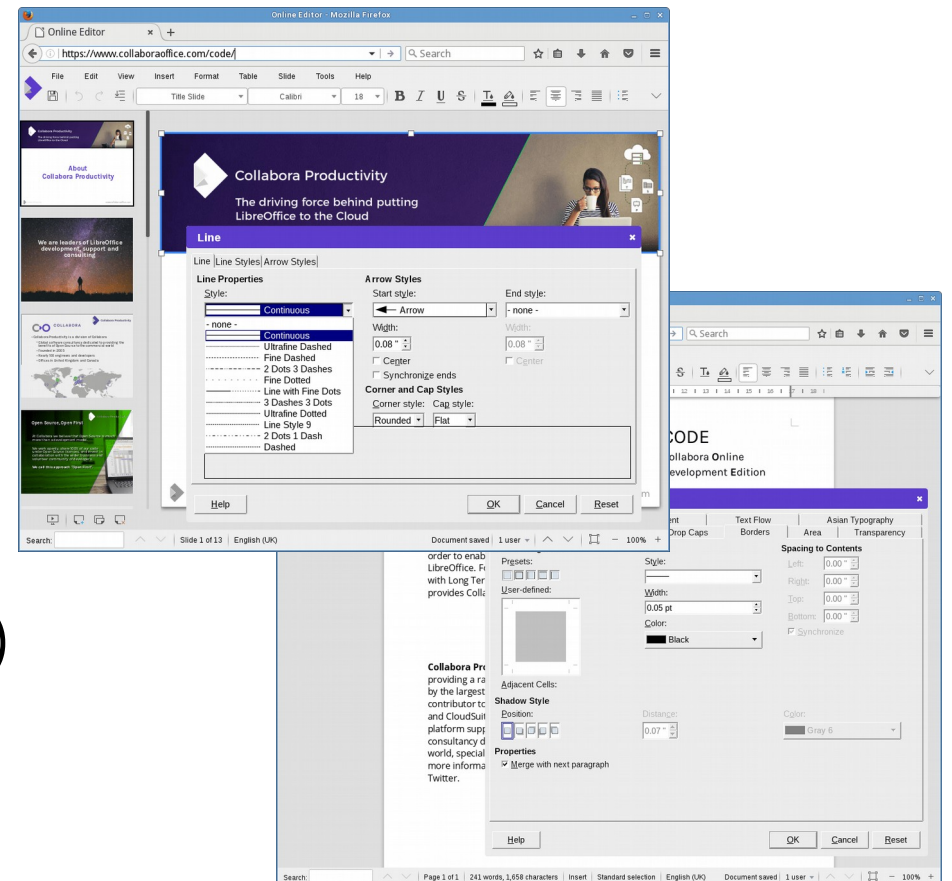
# Various Calc improvements

**Tunnelling the AutoFilter popup**

- Using the same infrastructure as the dialog tunnelling itself

- Jan Holesovsky (Collabora)
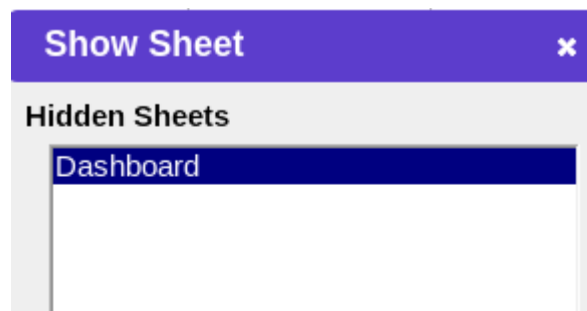
**Improved headers and tabs in Calc**

- Outline and groups handling

- Hidden tabs

- Marco Cecchetti (Collabora)

# Improved language support

**Implemented IME support for Asian languages**

- Very hard behind the scenes – the web browsers make the life hard

- Pranav Kant (Collabora)

你好

ni hao |

1 你好  2 你号  3 你  4 尼  5 呢  < >

This d... needs to behave correctly, selections have to wor... der document.

# Many improvements around charts

## Data series editing

- Marco Cechetti, Pranav Kant (Collabora)
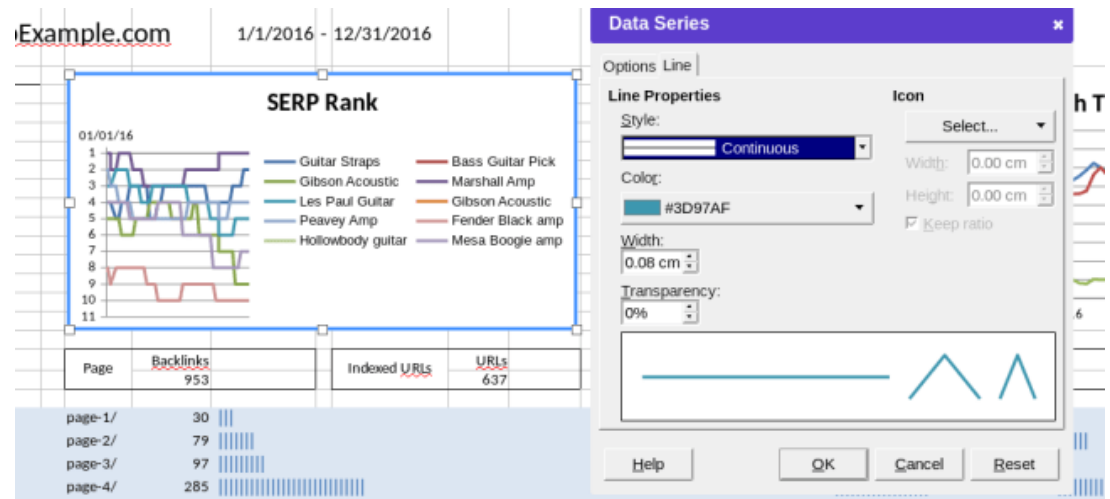
## Creation of new charts

- Previously it was only possible to see an existing chart

- Now the creation is possible not only in Calc, but also in Writer and Impress
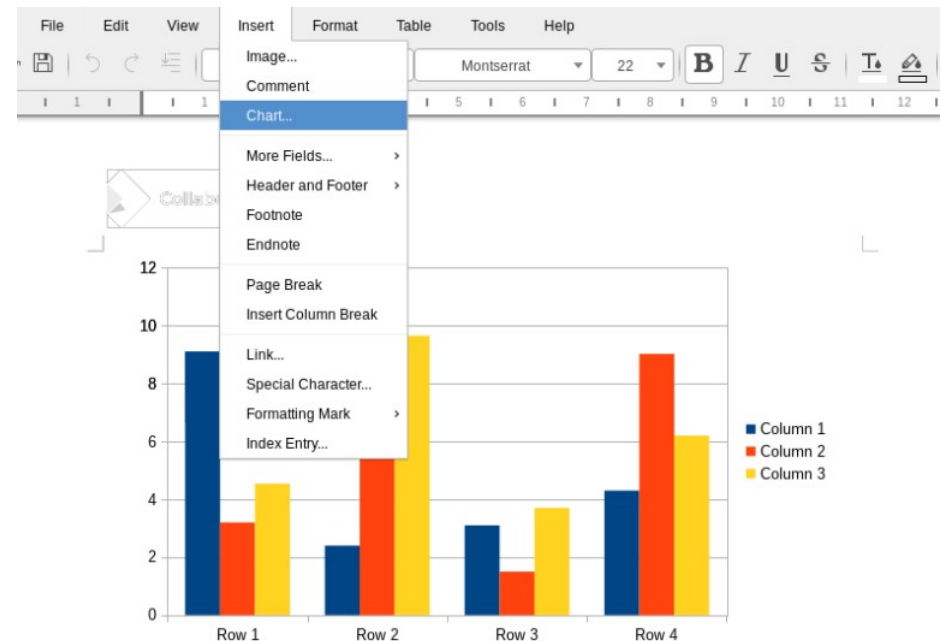
# Data validation in Calc

**Particularly the support for the dropdowns in the cells**

- When the user may choose from several choices

- The rendering cannot be in the tiles, but we had to create a separate layer for that in JS, so that validation popup from one view does not appear in the other

- Marco Cecchetti (Collabora)

# More spell checking improvements

**Later in the year**

- The spell checking dialog

- Right-click context menu for rapid choosing an alternative

- Previously this functionality was just disabled, otherwise it would crash
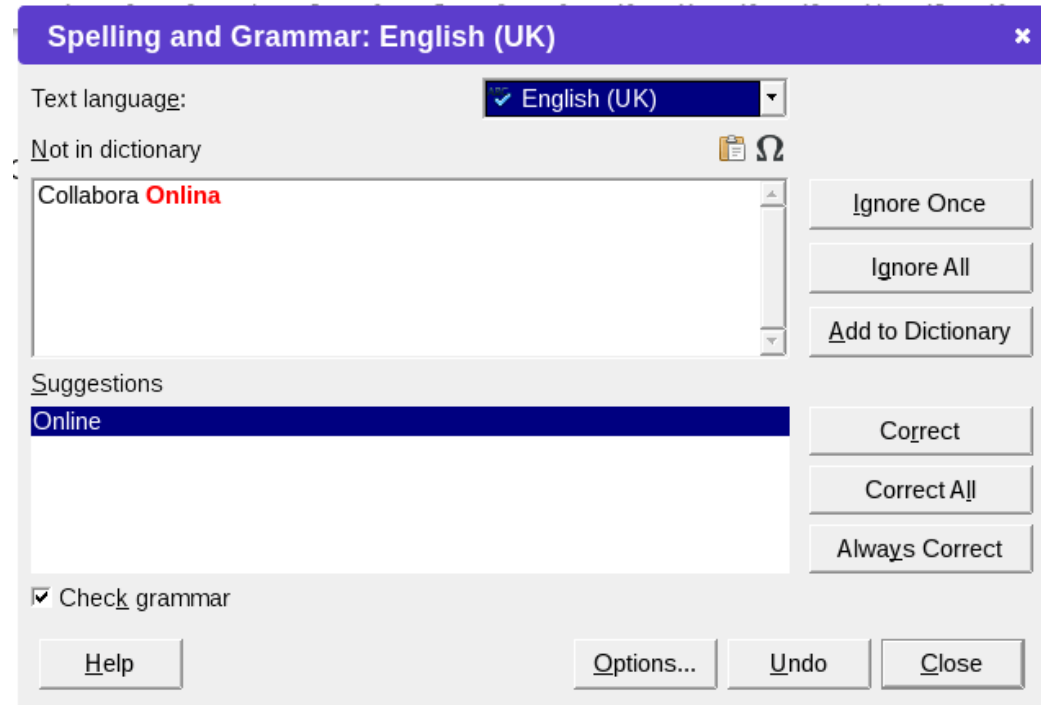
- Support for built-in LibreOffice dictionaries

- Henry Castro, Marco Cecchetti, Jan Holesovsky, Tamas Zolnai (all Collabora)

**Spelling and Grammar: English (UK)** ✖

Text language: ☑ English (UK) ▾

Not in dictionary 📋 Ω

Collabora **Onlina**

[Ignore Once]
[Ignore All]
[Add to Dictionary]

Suggestions

Online

[Correct]
[Correct All]
[Always Correct]

☑ Check grammar

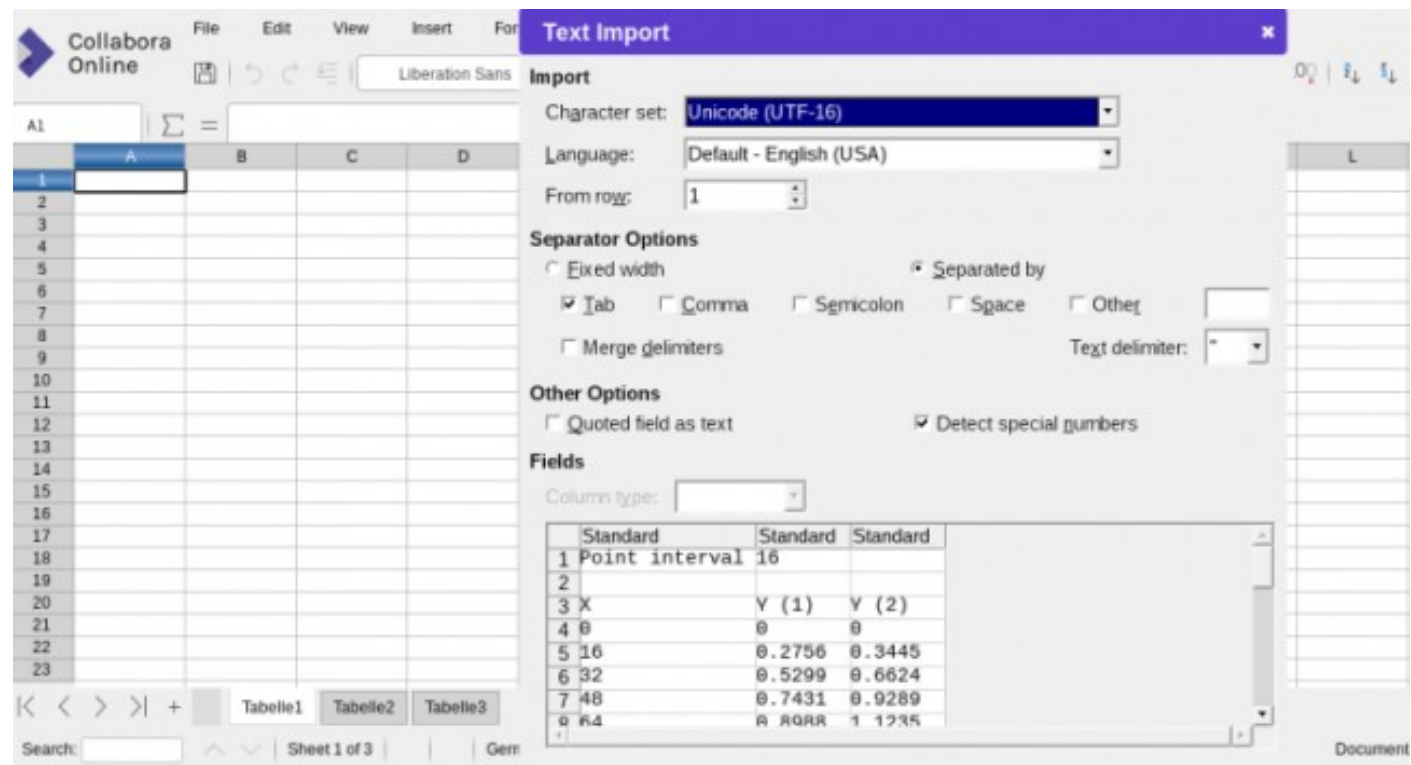[Help] [Options...] [Undo] [Close]

# Improved the Paste operation

**Significantly improved clipboard paste**

- Now it preserves formatting, tables, images and more – you can copy from the desktop LibreOffice and paste to the Online

**CSV paste in Calc**

# Conditional formatting support

**Conditional formatting was displayed properly**

- But it was impossible to create new conditional formatting

- Exposing just the dialog was not convenient – very complex UI

  - Instead, people expect an easy to use dropdown
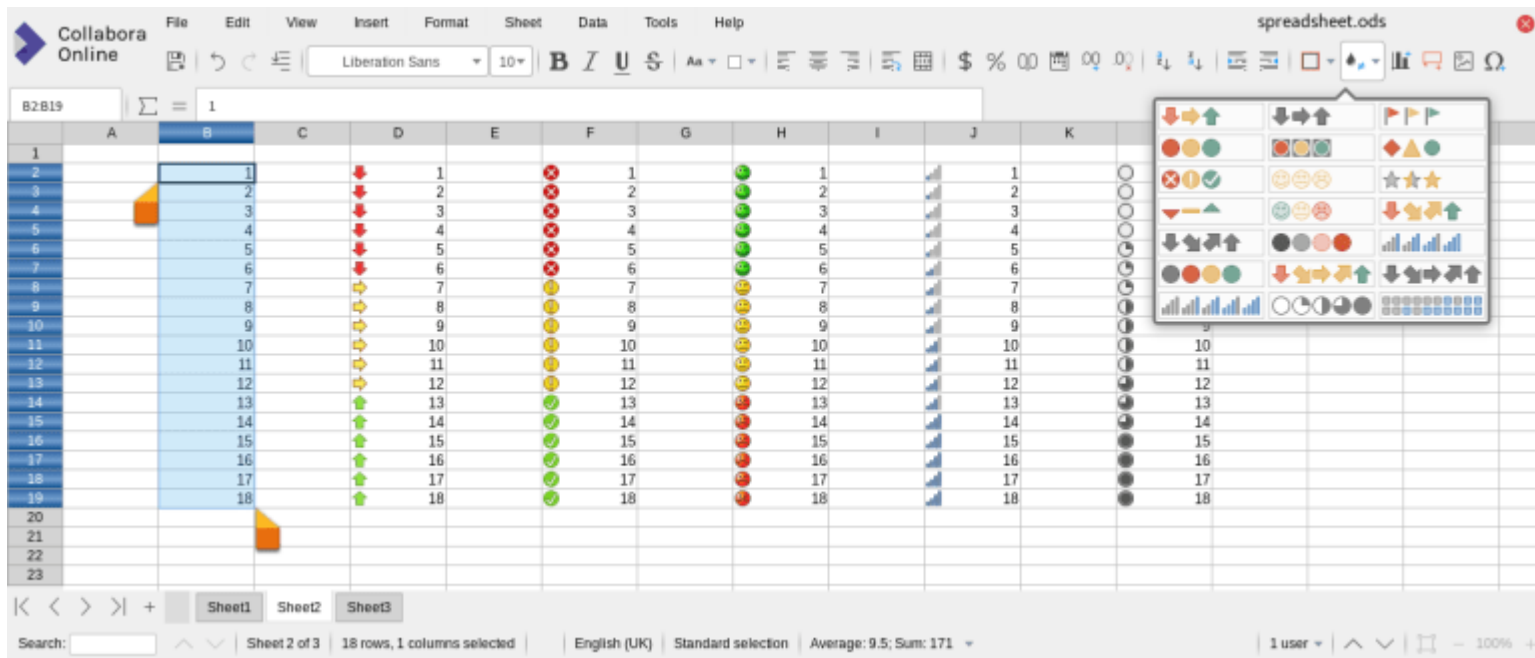
# Easy to use Borders toolbar button

**In addition to the advanced Borders dialog**

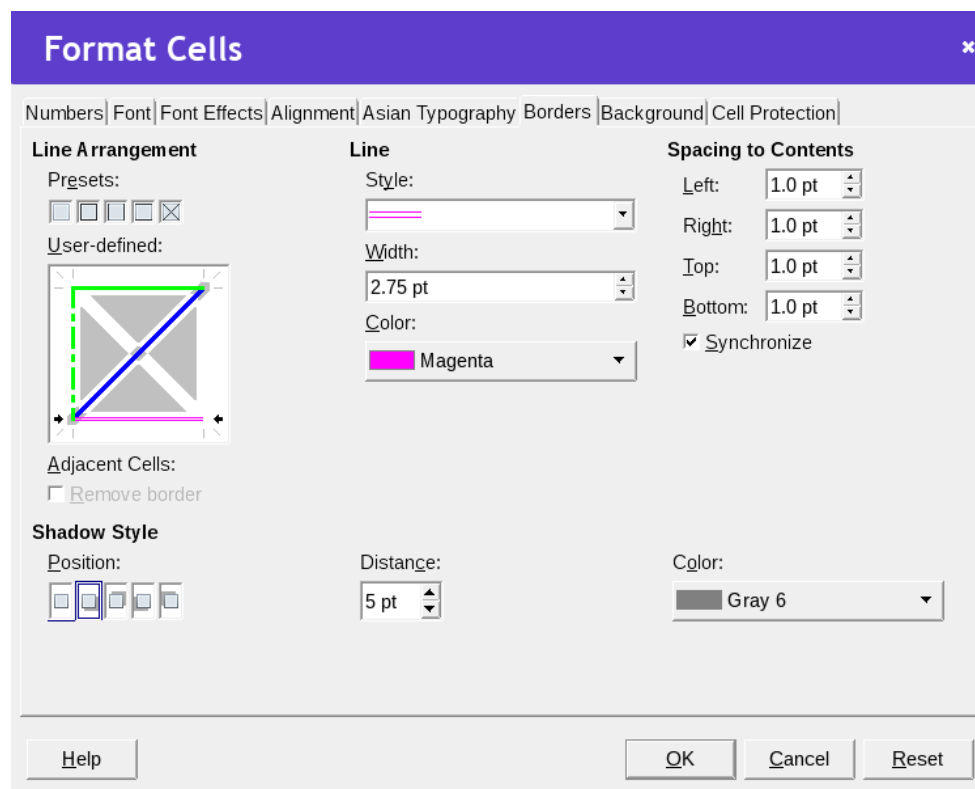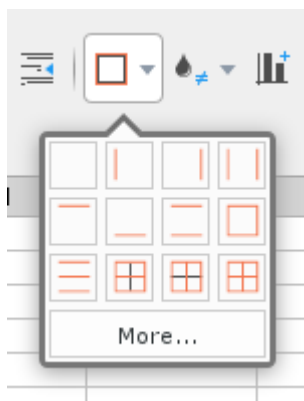- People used to have difficulties finding the dialog, necessary to have the the toolbar button too

# Smaller bits

- Interactive horizontal ruler – Aditya Dewan (GSoC)

- Insert header / footer menu – Henry Castro (Collabora)

- Fixes of various unexpected jumps of the caret, reduction of dialogs flickering, etc.

- Improved the UI of the Print… functionality in Firefox

- Many improvements in the admin console

  - Thanks to Aditya Dewan (GSoC)

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# Summary

- This is just a featured selection, much more has happened!

- Join the fun – clone the online.git, and implement your favourite missing feature :-)

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