

Refining COOL with QA

Timur Gadžo

Consultant Quality Assurance
Engineer

timur.gadzo@collabora.com



Collabora
Online

Technical Day
COOL
—days—

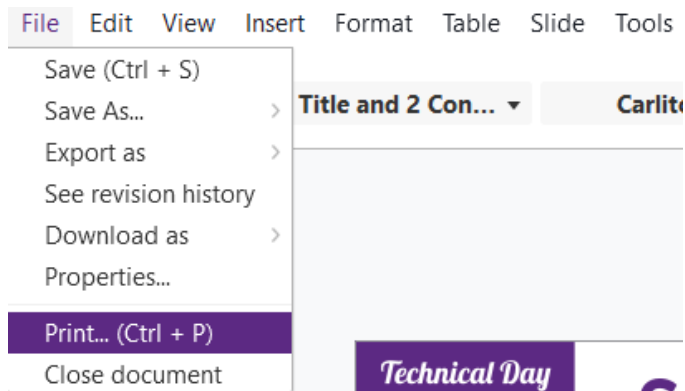
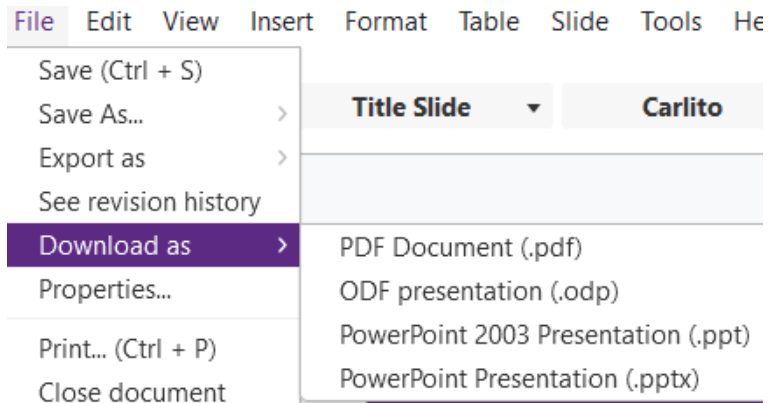
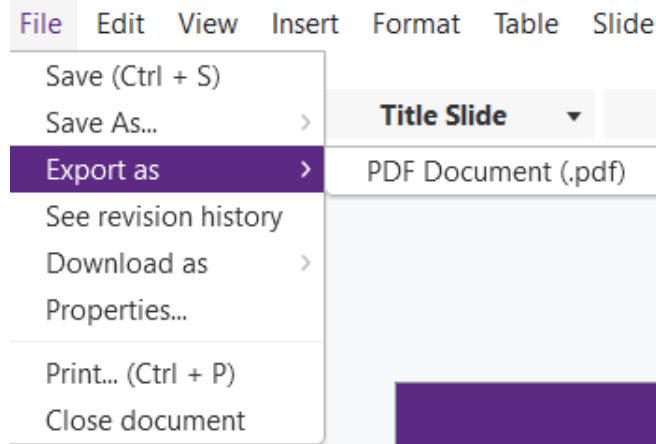
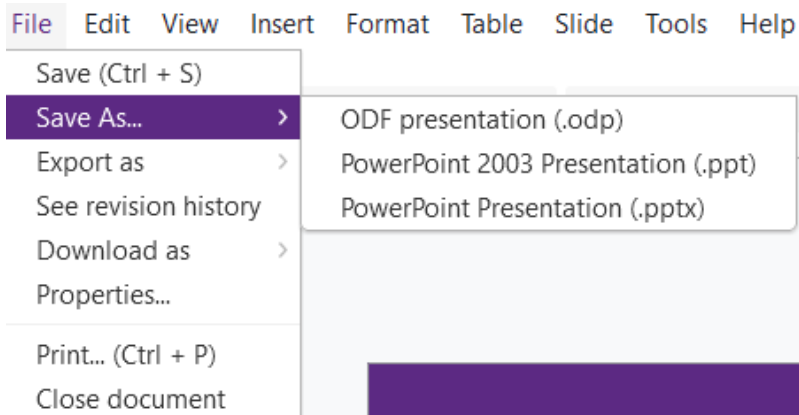


LibreOffice Technology





Various options to get content out





Export as PDF

- Previously, ODF export and EPUB export in "Download As" menu
 - saves a file to the user's file system
- In 2023-01 a Customer asked for a new feature of export
 - Same month, export to storage (Nextcloud for example) – by Szymon
 - <https://github.com/CollaboraOnline/online/pull/5738>
 - saves a file next to the edited file
 - copy of the save as functionality flow (reuses interaction with integrator)
 - In COOL 22.05



QA - Export

- Cannot “Export as PDF” document with spaces or dots in the filename
 - *“The workaround of changing the document names before opening and when saving is very inconvenient and annoying.”*
 - *May I ask you to look into this and find a quick solution to fix this newly appeared problem.*
 - *A quick reply would be greatly appreciated.”*
- In a fortnight, the fix landed in Online 22.05 – by Szymon
 - <https://github.com/CollaboraOnline/online/pull/6036>
 - decode file name similar to convert-to case
 - Release COOL 22.05.12.3



QA - Save

- “Document cannot be saved. Check your permissions or contact the storage server administrator.”
 - *Open a document, Download as -> PDF, Save.*
- In a fortnight, the fix landed in Online – by Jaume
 - <https://github.com/CollaboraOnline/online/pull/6006>
 - do not erase parent object after a download
 - Backported to COOL 22.05.11

There's more



QA - misc.

- **Still one customer has a problem with download PDF/EPUB**
 - Can be problem with integration or with docker, investigating
 - We have not reproduced it yet, still trying.
- **Print doesn't work from rootless container**
 - PDF export needs md5sum functions for creating hashes, provided by NSS.
 - The error occurs when NSS cannot be initialized.
 - Usually when /dev/random or /dev/urandom not accessible.
- **Convert or print large documents to PDF?**
 - if COOL problem, timeout kills the Kit process, a file will not be produced
 - if there is a crippled result, an increase of Nextcloud timeout may help



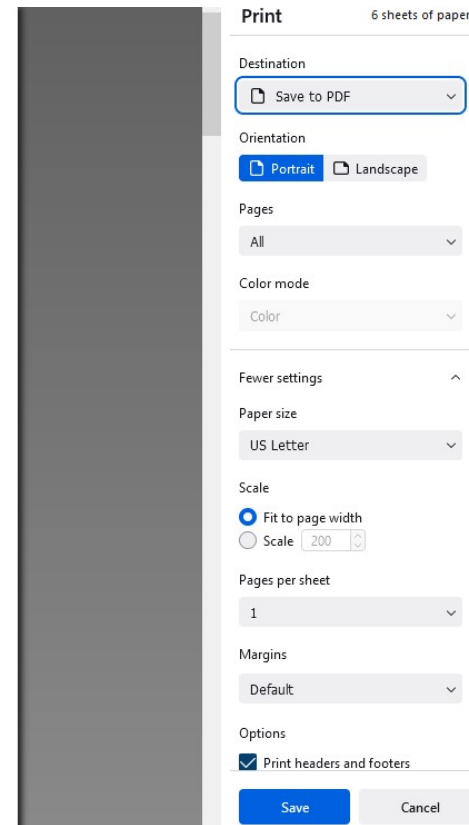
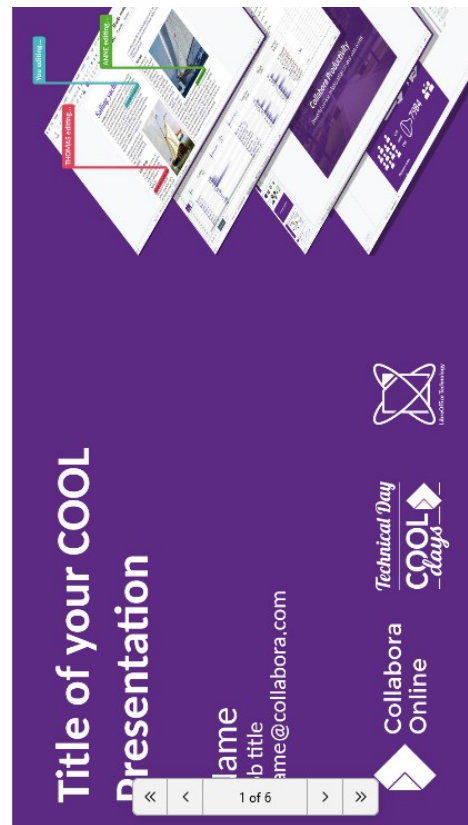
QA – misc. (cont.)

- **Cannot “Export as PDF” document**
 - May be Apache reverse proxy configuration
 - Seen with trace in httpd
 - AllowEncodeSlashes On or NoDecode
 - Setting in vhost section of Apache config
- **mount_jail_tree setting in coolwsd.xml**
 - Controls whether the systemtemplate and lotemplate contents are mounted or not, which is much faster than the default of linking/copying each file.
 - If Export to PDF doesn’t work with default “true”, try with “false”.
- **Cannot print from Chrome, Firefox OK**
 - May be integration or Content-Security-Policy (frame-src, frame-ancestors)
 - Issue was coming from the iframe sandbox attribute (we are not inserting).



QA – misc. (cont'd)

- Cannot print landscape
 - turns out it's Firefox
 - minor issue of preview orientation detection
 - still will print fine
 - ..well, there are some issues with overscaling..



**We at QA/CP are working
to make the software
of higher quality
and to resolve faster**

Thank you!

By Timur

@CollaboraOffice
hello@collaboraoffice.com
www.collaboraoffice.com

