

Writer 3.0 - What's new - What's going on

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The next 40 to 45 Minutes

- Who is od@openoffice.org?
- What's new in/for Writer in OOo 3.0?
- What's going on in Sun's OpenOffice.org Writer team?
- How does the OpenDocument file format (ODF) influence the feature work in OpenOffice.org?



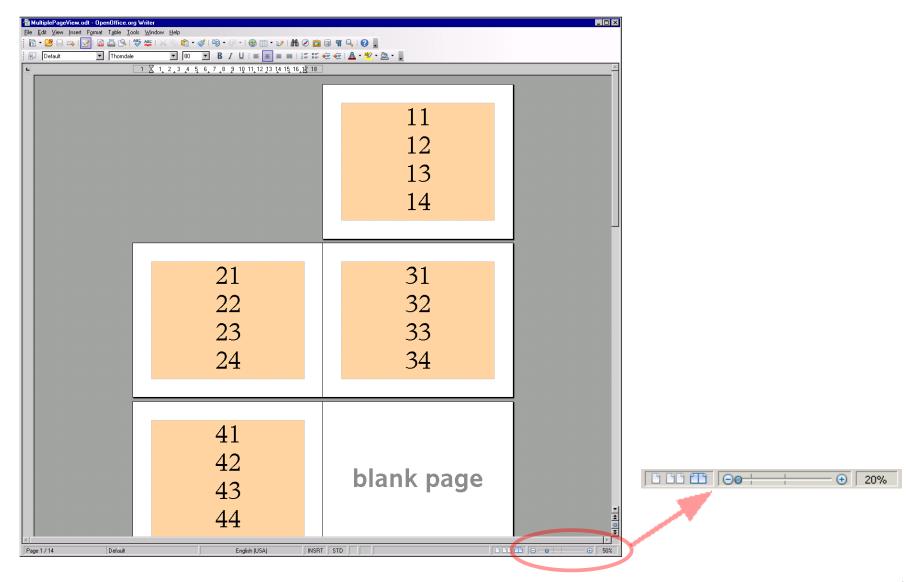
Who is od@openoffice.org?

- Born in Hamburg, 37 years old, married, two daughters.
- Study of computer science at university of Hamburg, diploma in 1999.
- Since 1993 working as a software engineer.
- Since June 2002 working for Sun Microsystems Inc. at OpenOffice.org Writer.
- Since December 2006 active member of the OASIS OpenDocument TC.





OOo 3.0 – Multiple Page View



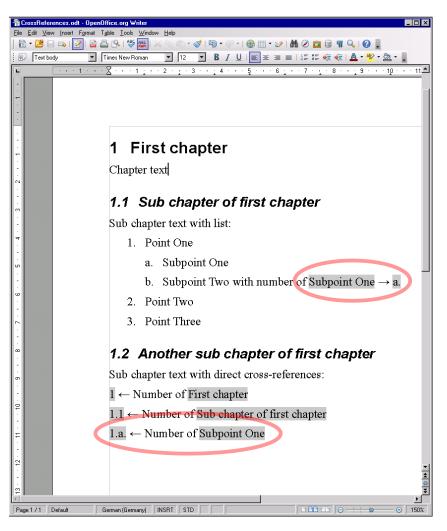


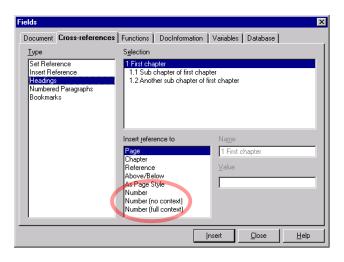
OOo 3.0 – Multiple Page View

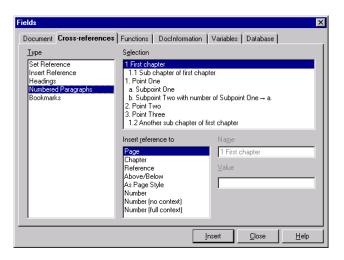
- Joined project with community.
 - > Leonard Mada (discoleo@openoffice.org)
 - specification owner evaluating the user requirements and doing a competitive analysis of other word processors
 - > Andreas Schuderer (arger-schnitter@gmx.de)
 - JavaScript prototypes showing some possible approaches to this feature.
 - > Further community members giving feedback and ideas on the user experience mailing list (discuss@ux.openoffice.org).
- Specification is found under OOo's specification project
 - http://specs.openoffice.org/writer/statusbar/Multiple_Pages_View_and_Zoom_Control.odt
- Further details are found at http://blogs.sun.com/GullFOSS.



OOo 3.0 – Direct Cross-references to Headings and Numbered Paragraphs







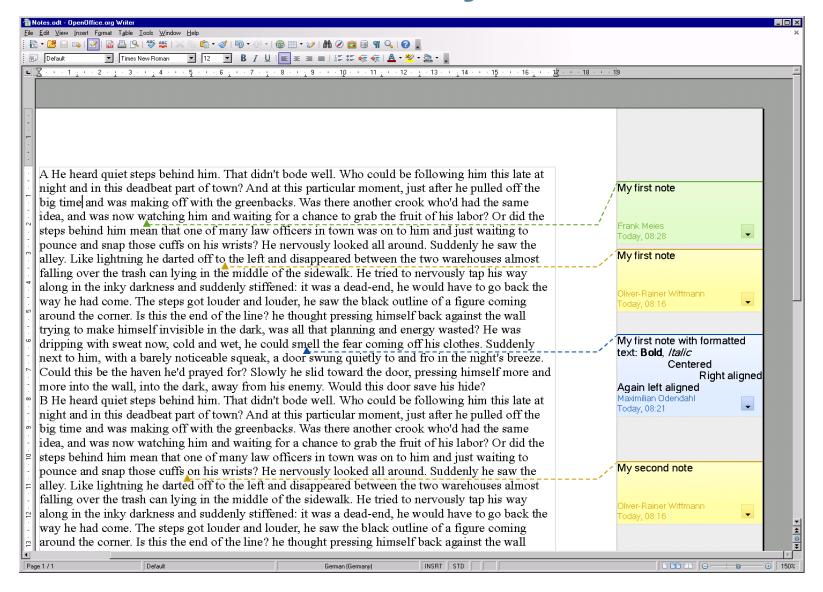


OOo 3.0 – Direct Cross-references to Headings and Numbered Paragraphs

- Community contribution via feedback to specification by Jacqueline Rahemipour (jr@natural-computing.de)
- Specification found at http://specs.openoffice.org/writer/numbering/Direct_Cross_References_to_Headings_and_Numberings.odt.
- The new reference formats had to be also introduced in ODF see approved ODF 1.2 proposal found at http://lists.oasis-open.org/archives/office/200701/msg00061.html.



OOo 3.0 – New Notes by M. Odendahl





OOo 3.0 - New Notes by M. Odendahl

- Project by developer Maximilian Odendahl (info@sept-solutions.de) supported by
 - > Community member Christoph Noack user experience.
 - > Sun's OpenOffice.org Writer team implementation support.
 - > Sun's OpenOffice.org quality assurance team QA of CWS.
- See following OOoCon 2008 presentation:
 - > Making the New Notes Community, Cooperation, Concepts
- Enhancement for notes to annotate an arbitrary selection has been already proposed for ODF 1.2, but is not yet implemented - approved ODF 1.2 proposal found at http://lists.oasis-open.org/archives/office/200708/msg00007.html.

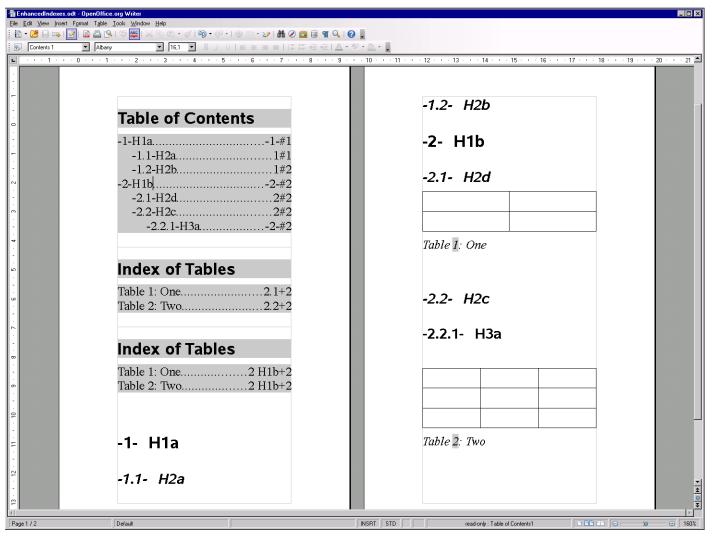


OOo 3.0 – Dictionary Extensions

- Dictionaries for spell checking, hyphenation and the thesaurus can now be provided as extensions as well.
- This also solved the issue 72559 which was a major trouble when upgrading OOo.
- An additional advantage for dictionaries extensions is that it is already part of the extension mechanism to check for updates and to install those.
- See http://wiki.services.openoffice.org/w/index.php?title=Extension_Dictionaries for a reference about dictionary extensions.
- All dictionaries available in the download repository can be found at http://extensions.services.openoffice.org/dictionary.



OOo 3.0 – Enhancement of Indexes by G. Castagno





OOo 3.0 – Enhancement of Indexes by G. Castagno

- Project by developer Giuseppe Castagno (beppec56@openoffice.org) supported by
 - > Sun's OpenOffice.org Writer team implementation review
 - > Sun OpenOffice.org quality assurance team QA of the CWS.
- OOo specification found at http://specs.openoffice.org/writer/index/index_and_tables_dialog_enhancement.odt.
- Approved ODF 1.2 proposal found at http://lists.oasis-open.org/archives/office/200702/msg00173.html.



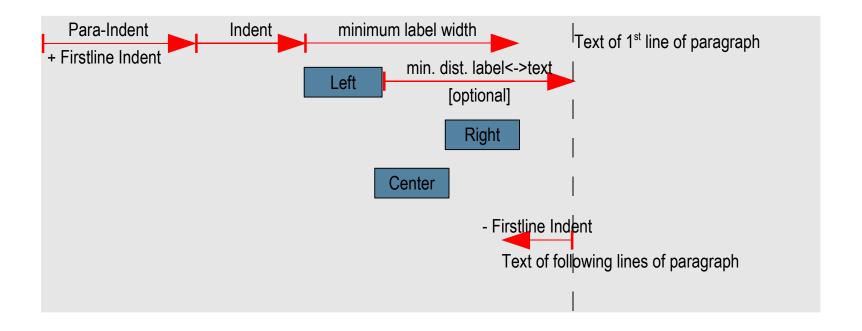
OOo 3.0 – Text Grid Enhancement for CJK by Novell

- Extension of the text grid feature in order to meet the CJK user's expectations and to improve interoperability with Microsoft Word.
 - Former text grid mode → "squared page mode".
 - > new text grid mode → "standard page mode".
- Project by Novell supported by
 - > Sun's OpenOffice.org Writer team implementation review.
 - > Sun's OpenOffice.org quality assurance team QA of the CWS.
- OOo specification found in issue 76247.
- Approved ODF 1.2 proposal found at http://lists.oasis-open.org/archives/office/200702/msg00149.html.



OOo 3.0 – New List Level Attributes

Former attributes





OOo 3.0 – New List Level Attributes

New Attributes

Aligned at

Right

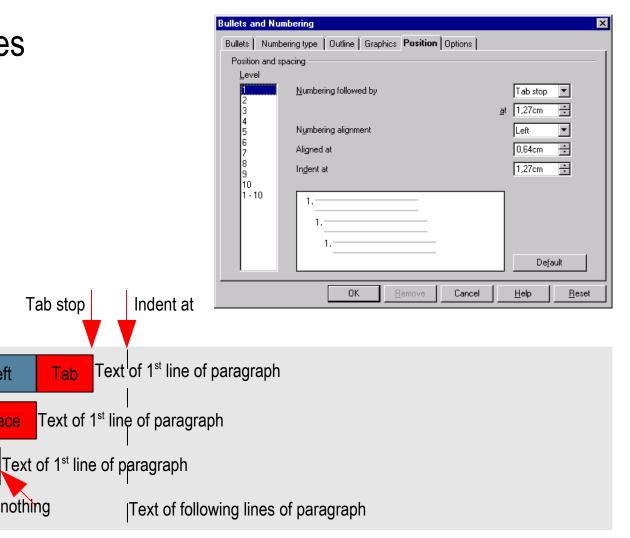
Tab stop

Left

Space

nothing

Center





OOo 3.0 – New List Level Attributes

- OOo specification found at http://specs.openoffice.org/writer/numbering/NewListLevelAttrs.odt.
- Approved proposal for ODF 1.2 found at http://lists.oasis-open.org/archives/office/200703/msg00031.html.
- Allows better compatibility with the list levels of Microsoft Word list styles.



OOo 3.0 – Internal Changes to Lists for ODF 1.2

- Refactoring of Writer core model of lists due to the made enhancements and clarification to lists in ODF 1.2:
 - Different list items of a list are allowed to have different list styles.
 - > Two Lists with the same list style are still two separate lists.
 - Improved continuation of an arbitrary list by another list.
 - Clarification of and improvement for ODF numbered paragraphs.
- Approved ODF 1.2 proposal found at http://www.oasis-open.org/committees/download.php/23418/07-04-05-proposal-lists.odt.
- Refactoring also considers that support for meta data at lists and list items should be possible in the future.



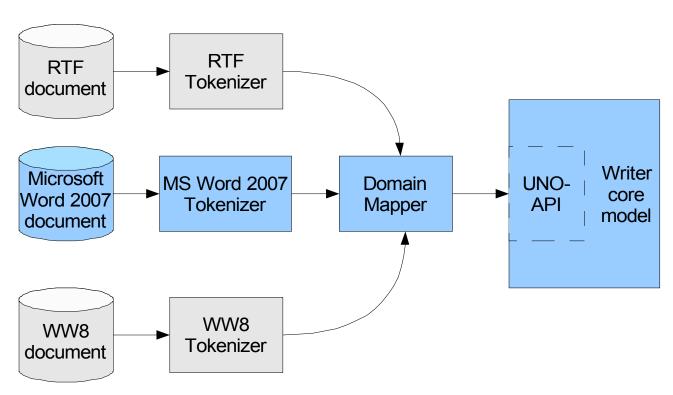
OOo 3.0 – Import for MS Word 2007 file format

- New filter concept with the goal to adapt the existing import filters (RTF and WW8) also on it.
- Reasons:
 - New implementation needed anyway.
 - Existing filters are becoming more and more unmaintainable.



OOo 3.0 – Import for MS Word 2007 file format

Concept:



- Benefit: The domain mapper can be reused for more than one source format file.
- Developer Fridrich Strba from Novell (fstrba@novell.com)
 also contributed in the beginning.



OOo 3.0 – Joining Paragraphs

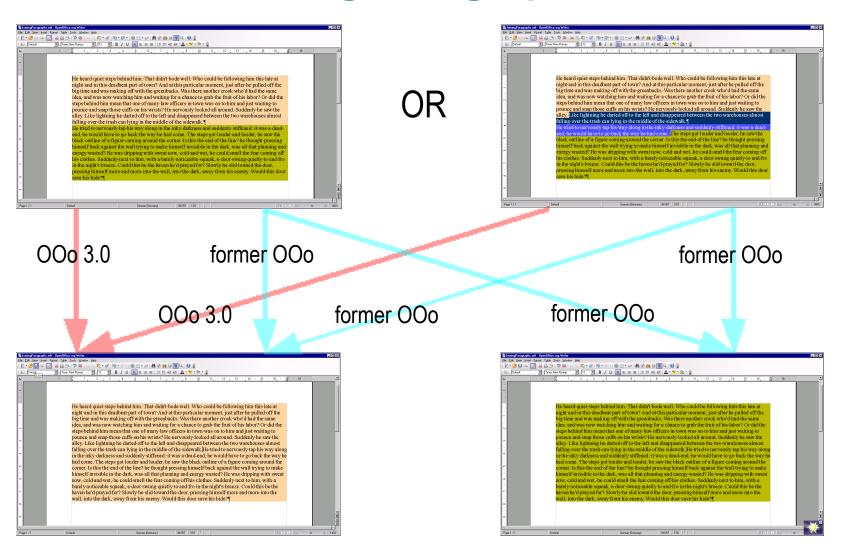
- New rule: If two paragraphs are joined, the attributes and characteristics of the first paragraph will survive.
 - > Exception: The first paragraph is empty respectively its content is deleted by the join action and the second paragraph has content.
- Join actions are:
 - > Hit Delete-Key at end of a paragraph.
 - > Hit Backspace-Key at beginning of a paragraph.
 - > Hit Delete-Key having a selection affecting more than one paragraph.
 - > Cut a selection affecting more than one paragraph.

Reasons:

- > Former rules are not intuitive and are confusing.
- > Former rules depend on change tracking being active or not.



OOo 3.0 – Joining Paragraphs





OOo 3.0 – Changes for Bullet Characters of the Default Bullet List

- Bullet characters in font OpenSymbol are adjusted in order to better fit the ones used by Microsoft Word.
 - Unicode code points of the bullet characters now match the ones which are typically used for bullets in fonts.
 - > Bullets are smaller than before.
- Bullet characters are now growing/shrinking with the paragraph's font size for a default bullet list.



OOo 3.0.1 – Grammar Checking Framework

- Grammar checking will become available for Writer text documents.
- Proof reading of complete sentences will be possible.
 This should finally allow to check and correct Chinese, Korean and Japanese text properly.
- We are excited to see the first extensions providing proof reading functionality for those languages in the near future.
- OOo specification found at http://specs.openoffice.org/appwide/linguistic/Spelling_and_Grammar.odt.



OOo 3.1 – Introduction of outline level

- Improving the handling of headings.
- Better support for corresponding ODF feature.
- Joined project with RedFlag2000 developer Zhao Jianwei (zhaojianwei@openoffice.org).
- Community contributions via feedback to specification by
 - > Jacqueline Rahemipour (jr@natural-computing.de)
 - > Andre Schnabel (andre.schnabel@gmx.net)
 - > Christoph Noack (christophnoack@openoffice.org)
- OOo specification found at http://specs.openoffice.org/writer/numbering/OutlineLevel.odt



OOo 3.1 – ODF Numbered Paragraphs

- ODF numbered paragraphs are an alternative to represent lists and list items in ODF.
- They are declared by <text:numbered-paragraph> XML elements.
- These will be imported and converted into lists and list items in OOo 3.1.
- OOo will not export ODF numbered paragraphs.
 Instead ODF lists and list items will be written into the ODF.



OOo 3.x – Support of ODF 1.2 Meta Data

- Currently working on (CWS odfmetadata2):
 - Implementation of a RDF/RDFa repository for all OpenOffice.org applications.
 - Support for metadata at paragraphs and headings.
 - Support for metadata at bookmarks.
 - > Implementation of metadata text.
 - Implementation of metadata field.
- Future tasks are to complete the support for metadata for the other text document entities.
- All is based on the approved ODF 1.2 metadata proposal found at

http://www.oasis-open.org/committees/download.php/26847/08-01-16-ODF-Metadata-Proposal-Committee-Draft.odt.



OOo 3.x – Support for Multiple Different Views for a certain Text Document

- Implementation of support for different views with different view options in Writer.
- Joined project with OOo Writer team of RedFlag2000.
- Certain refactorings of the Writer layout are needed.
- Benefits:
 - > Browse view beside HTML source view.
 - Normal view beside view with field codes.
 - > Further views are easier to support, e.g. outline view.



Influence of ODF on OOo

- The following facts
 - The OpenDocument file format (ODF) is a standardized file format under the control of Organization for the Advancement of Structured Information Standards (OASIS).
 - > OpenOffice.org is an ODF supporting application.
 - The most important one in my eyes.
 - A new feature or enhancement for OOo which needs to be made persistent in a document's file typically requires a change of ODF.

mean that

the conformance of OOo to the OASIS ODF standard and the interoperability to other ODF supporting application have to be considered.



Influence of ODF on OOo

- Several solutions are possible to keep OOo conforming to ODF and to respect interoperability to ODF supporting applications.
- Proposed solution is:
 - Check support for the proposed change in the OASIS ODF TC and submit a corresponding proposal to OASIS ODF TC.
 - Be open for amendments and changes to the proposal.
 - Implement the feature and assure
 - that the OOo user is supported on the creation of ODF documents conforming to ODF's highest conforming level and
 - that the created ODF documents containing the feature are at least conforming to ODF's lowest conforming level.
 - Adjust the implementation, when OOo in general supports the new ODF version containing the proposed change.



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Meet the Sun Experts at the Sun Booth