

OpenOffice.org 2.0 Office Suite

Guide to New Features

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WORK IN PROGRESS (CMP 5 July/8 July)

End User Features

<i>New Feature</i>	<i>Modules Affected</i>	<i>Benefit</i>	<i>How to Access</i>
Word count in selections Spec link	Writer	Count not only the number of words in complete documents but also in selections made. OpenOffice.org Writer has a new menu entry that allows the user to count all characters and words of the current selection. OOo now counts not only the number of words in complete documents but also in selections made.	Select the part of text you in which you want to count the words. On the Tools menu, choose Word Count. A dialog will open displaying the number of words in the selection as well as the number of words in the whole document.
Tables in tables Spec link	Writer	Now you can insert a table into a table cell. Furthermore, this This feature also improves the document import/export of MS Word documents, which can contain nested tables.	Place your cursor in the desired cell of a table. Choose the menu entry to insert a table into that cell. A format dialog will appear.
Bullets and Numbering in table cells	Writer	Use bullets and numbering within tables. The icons Numbering On/Off and Bullets On/Off are now also enabled when table cells are selected.	On the Format menu, select Bullets and Numbering. A dialog will appear allowing you to format numbering or bullets.
Drag and Drop of selections to create styles Spec link	Writer, Calc, Draw/Impress	Drag and drop a text selection into the Styles and Formatting window to create a new paragraph style or character style.	Writer: Select a part of your text. Then use the mouse to drag the text to the Styles and Formatting window. If the Paragraph Styles are active (click icon to display list of styles) the paragraph style will be added to the list. If Character Styles are active (click icon) the character style will be added to the list. Calc: Drag cell selection to the Stylist to create cell styles. Draw/Impress: Select and drag drawing objects to create graphics styles.
Hidden Text Attribute Spec link	Writer	“Hidden Text” is a character attribute and can be applied to single characters as the finest granularity. <i>Note:</i> A character that carries the “Hidden Text” attribute will not affect the word it resides in. Example: Opposed to MS Word 2000 (not XP!) where hiding a single character leads to hiding the whole word the character resides in, hiding a character in Writer 8 will only hide the character itself but not the word (though it will cripple the word). This character attribute is persistent and is part of the file format.	There are two setting that effect the appearance of “Hidden Text”: A default setting that is defined within “Tools - Options - Text Document - View” and the status if “Nonprinting Characters” are visible or not (ON/OFF).
Shortcut for Edit/Paste	Writer		The default shortcut for Edit/Paste special has been set to Shift+Ctrl+V.
Default tab stop position in tables of illustrations, tables and objects changed	Writer	The default tab stop of tables of illustrations, tables and objects have been changed. The tab stop is now aligned right aligned and has a dot as fill character. It's now the same as for tables of contents.	

Adjust terms and introduce 'Follow text flow' Spec link	Writer	In light of re-work of positioning of objects in Writer text it becomes necessary to correct the terms of the current possible vertical alignments. Also the new option 'Follow text flow' introduced for Writer fly frames which are anchored to frame are addressed.	
Vertical alignment 'Line of text' Spec link	Writer	Introduce vertical alignment at line for Writer fly frames, which are anchored to character.	
Tables: Vertical Text Direction Spec link	Writer	A new direction attribute for table cells is introduced, allowing the user to set the text direction for table cells independent from the direction of the table environment.	
Property Property "Manual line break"	Forms	For text input form controls, the property "Manual line break" has been removed from the property browser. Instead, the functionality which it *suggested* to control is, in real, now controlled by the "Horizontal scrollbar" property.	
Property "Scale"	Forms	The property "Scale", which was previously available for image controls in the Basic dialog editor only, only is now also available for image controls and image buttons in form documents. The semantics is are the same: When set to "Yes" (the default), the image is scaled to fit the whole entire control, when set to "No", it's centered in the control. There are no file format changes or compatibility issues (it will even work if you export such controls to StarOffice 5.2 format and open it in SO 5.x), because as the property was always therepresent , but never simply not offered in the previous UI.	

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<p>Scrollbar Form Control</p> <p>Spec link</p>	<p>Forms</p>	<p>A new form control will be created which can be embedded in all OpenOffice.org documents which support a form layer. As such, the usage of this control in general follows the paradigms which apply for the already existent form controls.</p> <p>A new form control (its is or its is not..but "will be is not acceptable in this doc..") will be created which can be embedded in all OpenOffice.org documents which support a form layer. As such, the usage of this control in general follows the paradigm which apply for the already existent form controls.</p> <p>A scrollbar has always has a direction associated with. This means implies that for a horizontal scrollbar, the represented value is the lower "lower" the more the thumb is positioned on the left. For a vertical scrollbar, the represented value is the lower "lower" the more the thumb is positioned at the top.</p> <p>If the user interface of OpenOffice.org is orientated right-to-left, then for a horizontal scrollbar, the represented value is the lower the more the thumb is positioned on the right.. (sorry I dont understand this instruction)</p> <p>When a new scrollbar is created by the user, by drawing a rectangle with the mouse, the initial orientation of the scrollbar is horizontal in case the width of the rectangle is greater than its height, and vertical otherwise.</p>	
<p>Spin Button Form Control</p> <p>Spec link</p>	<p>Forms</p>	<p>A new form control will be created which can be embedded in all OpenOffice.org documents which support a form layer. As such, the usage of this control in general follows the paradigms which apply for the already existent form controls.</p> <p>A new form control will be created (as befor..unless this is an action or result the tense needs to be in the present) which can be embedded in all OpenOffice.org documents which support a form layer. As such, the usage of this control in general follows the paradigms which apply for the already existent form controls.</p> <p>A Spin Button can be associated with an integer value, and an integer value range which limits this value. Though, unlike a scrollbar, a spin button does not have a visual representation of its value, but it can only be accessed and modified programmatically. This value, as well as all settings which can be made in the control property browser for a spin button control, do persist when the host document is saved.</p> <p>For a vertical spin button, pressing the upper arrow button results in incrementing the associated value by a certain amount, and pressing the lower arrow button results in decrementing it.</p> <p>For a horizontal spin button, the semantics of the buttons depends on the user interface orientation of OpenOffice.org. For a right-to-left user interface, the right hand button decrements the value, and the left hand button increments it. For a left-to-right interface, it's the other way round.</p>	

Property Browser Enhancements Spec link	Forms	The property browser for modifying various aspects of form and dialog controls, as well as logical forms, has always been experienced as somewhat quirky, and hard to understand for the inexperienced user. The changes proposed in this document will introduce several enhancements to this situation, of varying severity. (Statement not required as its a listing of "features" not an RFE)	
Naming of property in form property browser changed	Forms	The text "Delete data" changed to "Allow deletions" on the data page in the form properties browser.	
Select/Deselect all sheets	Calc	Once all sheets in a spreadsheet document are selected, it is now possible to deselect them using the keyboard.	This is an addition to the recently added feature that allows to select multiple sheets with keyboard, using the shortcuts CTRL+SHIFT+PAGE(UP/DOWN), see issue 6330. The same shortcuts will deselect all sheets, if they are all selected. This works only, if the visible sheet really changes (i.e. nothing happens, if all sheets are selected, and the last sheet is visible, and CTRL+SHIFT+PAGEUP is pressed, because there is no next sheet to select).
Adding Scenario Protection to Calc Spec link	Calc	Scenarios allow users to create a set of grouped data which may change depending on choosing a different item or scenario from a drop-down list. To increase compatibility with Microsoft Excel, Calc needs required the ability to protect scenarios. This feature is similar to the protection of cells or drawing objects. The protected scenario properties or values cannot be edited or deleted.	
Page Fields in DataPilot Spec link	Calc	<p>The DataPilot will be extended to allow the use of page fields.</p> <p>Fields can be used as page fields the same way they could already be used as column or row fields. A field that is used as page field in a DataPilot table can also be used as data item in the same table, but not as column or row field.</p> <p>The DataPilot dialog's "Layout" section will have a new orientation area "Page" in addition to the existing "Column", "Row" and "Data" areas, to which fields can be dragged. This new area will house 2 more entries (10) opposed to the existing fields that can only house 8.</p>	
Input of numbers into cells with different number format Spec link	Calc	Many users are confused by inputting data to their spreadsheet when Number Recognition steps in and re-format their input to something unexpected. This new feature will change the alter Number Recognition behaviour so that it will be easier and more understandable to use by long-time Calc users, novice users as well as users migrating from Excel or other spreadsheet applications.	

<p>Conditionnal Array Calculation</p> <p>Spec link</p>	Calc	<p>Enable the use of formulas such as {=IF(A1:A3>0;"good";"bad")} as an array formula, for example, in B1:B3, where for each cell in the range A1:A3 the test >0 is carried out, and the corresponding value ("good" or "bad") is displayed as the formula result in each cell of B1:B3 for each test.</p> <p>A second aspect of the implementation is the forced array handling of some functions, which when called with area references inside their arguments automatically behave as if an array/matrix formula was entered. This because MS-Excel does it that way. Normally, a function or operator expecting a single value, when called with an area reference as argument, gets a position dependent reference of the same row or column where the formula resides. Other positions generate a #VALUE! error. Functions with forced array handling propagate array usage to all functions or operators used within their parameters, regardless of the formula's position</p>	
<p>Handling Line Ends in MultiLine Text Fields</p>	Database Access	<p>When processing multi line text on a computer, there have always been two major approaches how to indicate a line break in a text, represented by a character string: so called "Unix style" line-ends and "DOS style" line-ends. Depending on which approach is used for a particular data set, applications working with this data need to take different measures to properly deal with the text. Database Access is also affected by this: When storing multi line text in a database table (field), there is no general definition which of the two approaches is to be used. Instead, the approach is chosen by the designer of the database, and/or the designer of the applications working with this database. (Verbose preamble that can be deleted). To allow the user the most flexibility in designing her database, and to improve OpenOffice.org's capabilities to interoperate with databases which follow any of the two approaches, the multi line text field in OpenOffice.org database forms will be extended with a setting how it should treat the input the user made â in a Unix-like or in a DOS-like way.</p>	
<p>Outer join sequence</p> <p>Spec link</p>	Database Access	<p>When working with drivers which do not fully support the JDBC or ODBC standard, it may happen that the escape sequences are not fully supported. Statement like this don't work</p> <p>"SELECT * from {OJ xx left join yy ... }" The OpenOffice.org data source supports to work around the problem in just to remove the {OJ} keywords from the SQL statement.(recommend complete re-write of this para..reverse the presentation and sustain tense)</p>	<p>Disable/Enable outer join sequence can be enabled on a per-data-source basis. For this, the "Info" property of a data source should contain a name-value-pair with</p> <p>Name: EnableOuterJoinEscape</p> <p>Value: FALSE</p>

Alias selection statement	Database Access	When working with select statements, OpenOffice.org usually uses an alias name for tables such as in "SELECT * FROM <table> aliasname" Here "aliasname"" is a so-called table alias. However, some databases do not allow such aliases. The statement then would be "SELECT * FROM <table>". Such databases usually reject statements with aliases. OpenOffice.org features the disabling as well as the enabling of this behavior.	
SQL Functions added	Database Access	The current file based database drivers in OOo 1.0-1.1 (dBase, flat file, and spreadsheet) doesn't support any SQL functions. Neither string, date nor numeric functions. In the new version OOo 2.0 these drivers will support the following functions. The file based database drivers will be capable to execute, the in SQL92 described, numeric, string and datetime functions.	
"Filter" and "Sort" do not add criterion based on current field anymore	Database Access	When opening the "Filter" or "Sort" dialog from within either the data source browser or a database form, these dialogs now will *not* append a new filter resp. sort criterion according to the currently focussed control/column. As it turned out that this This behavior was more a usability glitch than a feature (since it suggested the user a filter/order which in real was not present), it was removed in the course of fixing issue 14491 removed .	
Table data view: memo fields automatically displayed with a multi-line-capable text column Spec link	Database Access	When processing multi line text on a computer, there have always been two major approaches how to indicate a line break in a text, represented by a character string: so called "Unix style" line-ends and "DOS style" line-ends. Depending on which approach is used for a particular data set, applications working with this data need to take different measures to properly deal with the text. Database Access is also affected by this: When storing multi line text in a database table (field), there is no general definition which of the two approaches is to be used, instead, the approach is chosen by the designer of the database, and/or the designer of the applications working with this database. To allow the user the most flexibility in designing her database, and to improve OpenOffice.org's capabilities to interoperate with databases which follow any of the two approaches, the multi line text field in OpenOffice.org database forms will be extended with a setting how it should treat the input the user made â in a Unix-like or in a DOS-like way. (redundant)	

Text columns in table controls now able to display/edit multi line text Spec link	Database Access	When processing multi line text on a computer, there have always been two major approaches how to indicate a line break in a text, represented by a character string: so called "Unix style" line-ends and "DOS style" line-ends. Depending on which approach is used for a particular data set, applications working with this data need to take different measures to properly deal with the text. Database Access is also affected by this: When storing multi line text in a database table (field), there is no general definition which of the two approaches is to be used, instead, the approach is chosen by the designer of the database, and/or the designer of the applications working with this database. To allow the user the most flexibility in designing her database, and to improve OpenOffice.org's capabilities to interoperate with databases which follow any of the two approaches, the multi line text field in OpenOffice.org database forms will be extended with a setting how it should treat the input the user made â€“ in a Unix-like or in a DOS-like way. .(redundant)	
LDAP Authentication Enhancements Spec link	Database Access	Currently, only anonymous login are supported in connecting to LDAP address in OOo. We should add authentication to it and we should make OOo has the ability to connect to an LDAP server using secure sockets layer.	
Add Browse Dialog To Ado Datasource Spec link	Database Access	We use ADO datasource to access many kind of database in windows platform. But to use it users have to give an ugly string(named ADO connection string) to point out the detail about how to connect to the ADO datasource. So we need add a browse dialog where users can create or edit ADO connection stirngs in graphic mode. A newbrowse dialog where users can create or edit ADO connection stirngs in graphic mode.	
"Character set" property renamed to "Font"	Database Access	The "Character set" property for form controls has been renamed to "Font" for linguistic consistency. In german, the text changed from "Zeichensatz" to "Schrift". See issue 26592 (irrelevant in an EN doc)	
"Data Input" changed to "Data Entry" in UNDO string	Database Access	as suggested after a linguistic review, the The string "Undo: Data Input" (which is the tooltip of the "Undo" button in the data source browser) has been changed to "Undo: Data Entry". See issue 27469	
"Run Macro" setting changed to "Never"	Macros	According to the Q PCD Macro Security section, the installation settings should default to the most secure settings. Thus the The "Run Macro" settings for document macros have ben changed from "According To Path List" to "Never".	

MS Office Interoperability

<i>New Feature</i>	<i>Modules Affected</i>	<i>Benefit</i>	<i>How to Access</i>
Adjust positioning of floating screen object Spec link	Writer	Change Changed the positioning of floating screen objects controlled by a compatibility option to meet the requirements of the interoperability to MS Word. The adjustment affects the determination of the paragraph top for the positioning of floating screen objects.	A new document compatibility option is introduced, accessible by the user in the 'Compatibility' tab page, found under menu Tools – Option – Text document – Compatibility via a checkbox. If the new option is OFF , the changed positioning of floating screen objects will be applied. If the new option is ON , the former positioning of floating screen objects will be applied. The default value of the option for new documents will be OFF . For former created Writer documents the value is set to ON .
Automatically resize text frames width Spec link	Writer	Automatically resize text frames width dependent on containing text width. When importing / exporting documents from Microsoft Word this feature got lost because it's not existant in Writer Automatically resize text frames width dependent on containing text width a feature unique to OOo.	The existing dialog (Insert – Frame) have been slightly change to reflect the new fonctionnality
Tables: Automatic Page And Column Breaks Spec link	Writer	The MS-Interoperability PRD identifies various table related issues that limit the interoperability between MS Word and StarOffice Writer. This limitations affect the conversion of Word documents into Writer documents, but also the user interface (this is not a feature rather a statement of fact – which is not appicable in a fearute listing doc)	
Adjustment of the formatting of text lines Spec link	Writer	Change the formatting of text lines with a given proportional line spacing to meet the requirements of the interoperability to MS Word.	
Calc Print SettingsFit Print Ranges To Width/ Height Spec link	Calc	To increase compatibility to Microsoft Excel, Calc needs an addition in the print settings of the page style sheet. It will be possible to specify the number of horizontal and vertical pages in the Fit To Number Of Pages setting separately. This specification will define how Calc will implement this feature. .(its either implemented or not, not an RFE doc)	

Excel import/export of Scrollbars and Spinbuttons	Calc	<p>Import and export of spin buttons and scroll bars has been added to the Excel filters.</p> <p>1) *** Import of old fashioned MS Office 95 controls *** 1a) Spin buttons: - imported: current value, minimum, maximum, step increment, cell link - Excel does not support: colors (system default only), orientation (always vertical), disabled state, repeat delay time. - Calc does not support: flat 2D style 1b) Scroll bars: - imported: current value, minimum, maximum, step increment, page increment, orientation (horizontal/vertical, not changable in Excel UI, but possible to set in Excel file format, and correctly shown by Excel and Calc then), cell link - Excel does not support: colors (system default only), disabled state, repeat delay time - Calc does not support: flat 2D style 2) *** Import of new MS Office 97 OLE controls *** 2a) Spin buttons: - imported: current value, minimum, maximum, step increment, cell link, fill color, symbol color, orientation, disabled state, repeat delay time - Calc does not support: flat 2D style 2b) Scroll bars: - imported: current value, minimum, maximum, step increment, page increment, orientation (horizontal/vertical), cell link, fill color, symbol color, disabled state, repeat delay time - Calc does not support: flat 2D style 3) *** Export *** All controls are exported as old fashioned MS Office 95 controls. 3a) Spin buttons: - exported: current value, minimum, maximum, step increment, cell link - Excel does not support: colors (system default only), orientation (always vertical), disabled state, repeat delay time. 3b) Scroll bars: - exported: current value, minimum, maximum, step increment, page increment, orientation (horizontal/vertical), cell link - Excel does not support: colors (system default only), disabled state, repeat delay time (far too verbose...recommend you only state what has been implemented and why, in that order preferably)</p>	
Property "FontIndependent LineSpacing"	Impress	<p>Up from version 2.0 our outliner and edit engine will will? (either it does or it doesnt) be able support a font independent line spacing. This feature will heavily improve the compatibility between Impress and PowerPoint. In Impress currently the line spacing depends on the font which is used whereas in PowerPoint the font does not matter. Our PPT import and export filters tried to compensate this difference by adjusting the proportional line spacing, but this was not perfect and lead to the fact that a single line spacing was not imported as single line spacing, instead the line spacing was adjusted to values like 90% or 110%. Our PowerPoint import filter will now create text objects having font independent line spacing enabled. Therefore the service com.sun.star.drawing.TextProperties will provide an additional boolean property called "FontIndependentLineSpacing". + void Outliner::SetFixedCellHeight(BOOL bUseFixedCellHeight); + BOOL Outliner::IsFixedCellHeight() const; ;</p> <p>(far too verbose. recommend only to state what has been implemented, validation is optional)</p>	

Installation

<i>New Feature</i>	<i>Modules Affected</i>	<i>Benefit</i>	<i>How to Access</i>
Workstation Installation Spec link		The Office has to be able to start without the necessity of a user installation that was executed before. The possibility to make a user installation via setup will be removed, too.	
native widget fra- mework Spec link		To better integrate enhance integration of OpenOffice.org with the underlying desktop environment all widgets should have the same look as those used in native applications for that platform. This includes the proper reaction to changes of the desktop theme which should change the look immediately.	
Automatic Java Confi- guration, Java Options Panel Spec link		A new panel in the options dialog will be introduced allowing to determine what Java shall be used by OpenOffice.org. A set off additional arguments which are passed to the selected Java VM during its creation can may be specified by the user.	

Accessibility

<i>New Feature</i>	<i>Modules Affected</i>	<i>Benefit</i>	<i>How to Access</i>

For the Asian Market

<i>New Feature</i>	<i>Modules Affected</i>	<i>Benefit</i>	<i>How to Access</i>

Especially for Developers

<i>New Feature</i>	<i>Modules Affected</i>	<i>Benefit</i>	<i>How to Access</i>
XDataSinkEncrSupport package	APIs	The package component implements 'com.sun.star.packages.XDataSinkEncrSupport' interface now. So a raw representation of an encrypted stream can be retrieved. This representation contains header with encryption information. So the representation can be used to store the stream to another package without decryption. (recommend re-write...use of "so" is not recommended)	
CWS networker Spec link	CVS	<p>In the cws networker we want to create a defined interface between Setup and first Office startup (Setup and SFX). In the first phase we abolish the User-installation. This means that after a network installation, which is the new standard, the user starts directly the Office. The solution in the cws networker is, that the Office starts a hidden User installation using a responsefile. (This is an RFE not an inventory of existing features)</p> <p>Alternatively and for compatibility reasons we offer the old user installation using the setup functionality. This guarantees that no functionality will be lost after integration of this cws. (recommend that if acronyms are used then they need to be defined under a seperate section in the Index, Terms and Definitions...otherwise dont use them)</p> <p>The cws networker does not force the conversion to the native installer. The old setup is still supported.</p>	
OpenOffice.org Scripting Framework Specification Spec link	Framework	The Scripting Framework allow OpenOffice.org users to write macros in a number of languages and execute them in OpenOffice.org. Users can assign these macros to menu items, keyboard combinations, application and document events, form controls within documents and various objects within documents.. (it is not clear if this is a new feature or an explanation of an existing feature. Needs identification)	

Alphabetical Index change		I have moved previous hard-coded index information from indexentrysupplier to localedata, create a new section LC_INDEX in localedata xml files. It includes 3 parts, index key, script type and page words. Index key defines a letter list for an index algorithm, like A, B, C...X, Y, Z for English Alphanumeric. It is possible to define more than one algorithm for a language, like we define 'pinyin', 'stroke' and 'radical' for Simplified Chinese. If the letter list is blank, the individual UNO service for the algorithm should be provided. Script type defines Unicode range for the language, it is Unicode defined script type, like 0 for basic latin, 10 for hebrew, for example, we need 0 (basic latin) and 1 (Latin 1 Supplement) to cover German. See offapi/com/sun/star/i18n/UnicodeScript.idl for the list of script type. Page words contain two words, like p. and pp. for English, f. and ff. for German. The words are used in the option 'Combine indential entries with p or pp'.	
Programmatic Control of Menu and Toolbar Items Spec link		This feature should enable 3 rd party developers to adapt menu bar and toolbar layouts to their needs. It will make menus and toolbars accessible to UNO developers and provide access to interfaces to insert/remove and modify menu items, popup menus and toolbar items during Office runtime.	
testtool: new locations of .sversionrc and commands to find them		Third party applications like the testtool have to find the StarOffice. In the cws networker2 we agreed, that the setup still writes a file named sversion.ini? (Windows) respectively ?.sversionrc? (Unix). Some changes in the setup and in the testtool are needed, because this file has to be written during the standard (network) installation type. The file sversion.ini (.sversionrc) will be created by the setup in the folder PREDEFINED_CONFIGDIR. PREDEFINED_CONFIGDIR will be defined as: Windows: single user install: folder for the current user. all user install: folder for all users. network install: folder for the current user. UNIX / LINUX: single user install: of the current user. all user install + root rights: /etc/. network install: of the current user. To enable the testtool to find these directories also there is a new command in the testtool. It works the same as the already existing command String GetApplicationPath which delivers the path for the single user and the network install. String GetCommonApplicationPath delivers the path for an all user installation. In order to find the installation place of an office it would then be necessary to check both locations for an appropriate file with appropriate content.	
Transparent Use of Office UNO Components from C++ Spec link			

Web/Internet

<i>New Feature</i>	<i>Modules Affected</i>	<i>Benefit</i>	<i>How to Access</i>
Export to HTML produces valid "XHTML 1.0 Strict"		The export of HTML now produces valid 'XHTML 1.0 Strict' output. The change will most probably taken place with SRC680m37. PostScriptum: An late revealed issue concerning validness of list items, has already been addressed and will be integrated in the follow up CWS xslterfilter02.	
XHTML export enabled for Calc, Draw and Impress Spec link	All	The expert user should be able to install XSLT-based input/output filters for StarOffice/OpenOffice.org. The average user should be able to use them seamlessly. For OOo2.0, XSL-transformations are also supported for the modules Writer/Web, Master Document, and Math.	

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