

JSOWrite Bug Fixes

ID : 1802**Fixed in version :** 4.5.0.5**Short Description:** Undesirable behaviour with property field and table cells**Full Description:**

Issues with OWrite Property Object using \$curobjwidth

Step-by-step

1. Open your example lib and open JS Document Manager
2. Click on Example: Tables - Pictures
3. There is only a table then click on white cell 'pict'
4. On Property panel, click on Object tab then Cells subtab
5. Click in 'Width' property and set the caret after decimal point
6. Type 6 on keyboard
7. Without exit 'Width' property field, click on white column 'name'

Issue: column 'name' become a second column 'pict', some variable attached, same width, same format etc.

Comments : Fixed. Please download and try the new script "jsowrite_formatting.js" version 4.5.0.5.
https://support.brainydata.com/jsowrite/jsowrite_formatting_4505.zip

This patch also fixes the crash reported as part of Case 1801 but which remains open for the further enhancement related to splitting table rows while editing.

ID : 1804**Fixed in version :** 4.5.0.5**Short Description:** Text cell with strange behaviour - Example attached**Full Description:**

Step-by-step

1. Open your example lib OWriteDocumentManager
2. Open OWrite Document Manager
3. Import Pagano4.owr (attached model)
4. Into the document click in 'Note:' cell
5. Input some text then type enter/return on keyboard until you reach end of page
6. Type enter/return again until you figure out something very undesirable - cell doesn't split over pages, the doc is broken and you should have to trash it

On JSOWrite Client this issues is plus o minus the same and browser become unresponsive.

Comments : We have fixed the issue with the JS-Client becoming unresponsive. However, it is not valid to create a table cell that is larger then a page. Row splitting is currently only supported during table evaluation.

ID : 1806**Fixed in version :** 4.5.0.6**Short Description:** Problem with bullets**Full Description:**

When I evaluate a document with bullets, the replacement of the variables with the value doesn't take place correctly, see the example.

AttachedFile: example.zip

Comments : Resolved. Requires script jsowrite_formatting.js version 4.5.0.6

ID : 1814

Fixed in version : 4.5.0.6

Short Description: Last table row on page displayed in gray

Full Description: Please notice that row 9 is automatically set with gray background.

You can find the doc attached at this request

AttachedFile: ORD_07_1_V4(1).owx.zip

Comments : This was caused by the special code we put in place to prevent evaluated documents from reformatting table rows during loading. This code ensures that tables are split across pages as was intended by the desktop/server OWrite.

Note: editing such documents must be carried out in single page mode so that tables can be reformatted correctly (on the server) after editing.

OWrite Bug Fixes

ID : 1517

Fixed in version : 4.5.0.5

Short Description: copying a textbox does not keep calculation

Full Description: In the sample examples, document "calculated fields", there is a textbox with display ({Address}) and calculation.
If you copy it and paste it, at the end of the doc for example, the new textbox looks the same, but when looking at the properties ("Format text box" in contextual menu) both display and calculation have disappeared.

Do you think it possible to have those properties of the text box copied as one would expect ?

Comments : The problem was with reading back the RTF data from the clipboard (the clipboard uses RTF for copy and paste so it works with our software).

This issue would also have affected the storing of documents as RTF, but they should now load correctly.

ID : 1779

Fixed in version : 4.5.0.1

Short Description: Import fails from RTF file with calculated fields in header, body and footer

Full Description: We choose to save our documents produced by OWrite in RTF in our database.

Many calculated field are inserted in the header, the body and the footer.

When we load the binary, the document seems to be "corrupted", the body is in the footer !

But when you save this RTF and open it in MS Word, all is normal !

I join a RTF file ("OWriteExample.rtf") with this request. I made this file with the OWriteDocumentManager library (from your examples) following this method :

- 1) Put a calculated field in the header
- 2) Put another calculated field in the body
- 3) Put a last calculated field in the footer
- 4) Export the document in RTF
- 5) Import the RTF document
- 6) The calculated field in the body originally is now in the footer and there is no body anymore !

If we create a document with calculated field in the body but not in the header and footer, the export/import cycle works very well !

Is this a bug or a limitation of the support of RTF ?

Comments : This issue has been resolved, but please be aware we do not recommend storing your master documents as RTF. The RTF format is only intended for exporting to and importing from other word processors and we do not guarantee 100% compatibility.

As we have already explained, standard RTF does not support some OWrite features such as the special OWrite calculated fields. Therefore we have to embed non-standard RTF that other word-processors can ignore, but which maintains the proprietary features supported by OWrite. This we do not always get right as RTF is not an easy format to deal with and our prior concern is always to ensure that the standard RTF features are supported correctly.

We urge you to store your master documents using the default OWrite binary or list formats.

ID : 1781

Fixed in version : 4.5.0.1

Short Description: RTF import : A carriage return appears after each zone of the document

Full Description: After a RTF import, each zone of the document (header, footer and body) have a carriage return as final character.

The original RTF doesn't have these carriage returns.

I join a RTF File in example.

AttachedFile: ExampleCarriageReturn.rtf

Comments : This issue has been resolved. This change will effect both RTF exports and imports and these should be tested prior to releasing the software to end users.

ID : 1784

Fixed in version : 4.5.0.3

Short Description: The invisibles characters are offset from the text

Full Description: You can find in attachment a zip file containing :

- InvisiblesCharactersPC.png : the capture of the problem on PC
- InvisiblesCharactersMac.png : the capture on Mac with no problem
- WordInvisiblesCharacters.png : the capture of the feature in MS Word
- InvisiblesCharacters.owr : an export of the test file

So you just have to import the OWR file and turn on the "Show Invisibles Characters" option to see the problem.

AttachedFile: InvisiblesCharacters.zip

Comments : This issue has been resolved.

ID : 1792

Fixed in version : 4.5.0.5

Short Description: Header text display from top to bottom instead of from left to right

Full Description: With the example library :

- create a new document
- the "Headers and Footers" checkbox must be checked
- the "Different Odd & Even" checkbox must be unchecked
- the "Different First Page" checkbox must be unchecked
- enter some text in the header area
- check the "Different First Page" checkbox
- enter some text in the header area
- uncheck the "Different First Page" checkbox
- save the document
- load the document
- check the "Different First Page" checkbox => the text displayed in the header area is from top to bottom !

You can also try my document attached to this request :

- load the document
- check the "Different First Page" checkbox => the text displayed in the header area is from top to bottom !

AttachedFile: HeaderDifferentFirstPageProblem.zip

Comments : The header or footer content was not paginated correctly when the header or footer content could not be displayed, and thus paginated, during the loading of the document.

ID : 1793

Fixed in version : 4.5.0.5

Short Description: Omnis quit unexpectedly where we insert a page break into the header area

Full Description: With the example library, you just have to click into the header area and insert a page break to quit Omnis unexpectedly.

Comments : OWrite now prevents the inserting of a page break when inside any container object (headers, footers, text boxes or cells).

However, the interface should be modified to only enable this option when \$curobjtype returns kWriObjTypeDoc.

ID : 1794

Fixed in version : 4.5.0.5

Short Description: Display problem between header margins and document margins

Full Description: When the top margin of the document is less than the margin of the header, you no longer see the text of the body of the document.

To reproduce the problem in your example library (see the picture attached) :

- set to 5 cm the top margin of the document
- set to 2 cm the header margin
- enter one line of text in the header and in the body
- set to 1 cm the top margin of the document => now, the body content is not viewable anymore

Could OWrite automatically prevent this ?

AttachedFile: beforeAfterMargins.png

Comments : The header/footer content and body text was not redrawn correctly when the header or footer extend et into the body text because the top or bottom page margin was not sufficient.

ID : 1797

Fixed in version : 4.5.1.0

Short Description: Omnis crash when evaluating after two tables have been merged

Full Description: Some user managed to create a doc that crashes omnis when evaluated.
I tried to sort this out and found it comes from deleting the empty lines between 2 tables, one without repeated lines and the 2nd with header, footer and repeated lines.

I got rid of all the contents that was not relevant and tried it in your document manager and I get the crash when clicking "preview". (cf. attached document OWrite - Test Tables 1.owr)
When the tables are left appart, there is no error (cf. OWrite - test Table 0.owr)

Perhaps a hint : when I select all the content of OWrite - Test Tables 1.owr and paste it further, the 1st table appears inserted in the 2nd one !

Could you get a look and find if there is a way to avoid this ?

Thank you

Joel

AttachedFile: OWrite - Test Tables.zip

Comments : In OWrite different table objects must always be separated by a standard paragraph. However, it was still possible to remove this paragraph using the backspace or delete keys in some circumstances. We have prevented either key from working when it would result in an ordinary paragraph merging with a table row or the action results in the paragraph being removed. In other words the following actions are prevented:

- pressing the back-space key when the caret is at the beginning of a paragraph that follows a table
- pressing the del key when the caret is positioned at the end of a paragraph which precedes a table

ID : 1817

Fixed in version : 4.5.0.6

Short Description: oWrite.\$popupmenu in Studio 10 shows the menu offset when it shouldn't be

Full Description: We use owrite's \$popup menu to show hierarchical menus above buttons at the location of the button.

Studio 5.2.3 and latest owrite 4.5.1.0 - it seems to work fine on the same windows 8.1 and 10 machines.

With studio 10.1 (I tried release 24136 and 25120 - both exhibit the problem) and owrite 4.5.1.0 (and other versions), the menu pops up about half way up the screen and half way to the left MAKING ME THINK that the coordinates in the \$framehwnd are not taking into account the resolution of the screen, or are being passed from omnis incorrectly)

its the fact that they are about half what I expect that makes me think screen resolution is playing a factor.

the call to owrite is as follows since we call it from a common place.

Do OWrite.\$popupmenulist(pFieldRef.\$framehwnd,pMenu,pDisplayBelow,pHorzOffset,pVertOffset)
Returns result

The call to this method looks like:

Do PopupMenu.\$popupMenu(pButtonRef,kTrue,0,0,\$cinst()).\$ref,PopupMenu.\$ref) Returns Item

so pFieldRef = pBurronRef
PdisplayBelow = true
phorizOffset =0
pVertOffset=0
PexecRef = \$cinst()
pMenu=Pppuplist.\$ref

the code is the same in both studip 5.2.3 and 10.1, which makes it not related to offsets supplied to owrite, but rather whatever it is doing when getting the \$framehwnd from Omnis (or where ever it gets it).

I'm using Parallels 14 and both windows 10 and 8.1 virtual machines as testing platforms.

AttachedFile: owritePopupMenu.docx.zip

Comments : This problem was indeed a resolution issue when windows is scaling on Retina displays. The Omnis callbacks we use operated at 96dpi regardless of Windows scaling, but the call to open the menu was a direct call to Windows which required scaled co-ordinates.

JSOWrite Bug Fixes

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Issue: column 'name' become a second column 'pict', some variable attached, same width, same format etc.

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This patch also fixes the crash reported as part of Case 1801 but which remains open for the further enhancement related to splitting table rows while editing.

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OWrite Bug Fixes

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Comments : This issue has been resolved. This change will effect both RTF exports and imports and these should be tested prior to releasing the software to end users.

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You can also try my document attached to this request :

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Short Description: Omnis quit unexpectedly where we insert a page break into the header area

Full Description: With the example library, you just have to click into the header area and insert a page break to quit Omnis unexpectedly.

Comments : OWrite now prevents the inserting of a page break when inside any container object (headers, footers, text boxes or cells).

However, the interface should be modified to only enable this option when \$curobjtype returns kWriObjTypeDoc.

ID : 1794

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Short Description: Display problem between header margins and document margins

Full Description: When the top margin of the document is less than the margin of the header, you no longer see the text of the body of the document.

To reproduce the problem in your example library (see the picture attached) :

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Could OWrite automatically prevent this ?

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Comments : The header/footer content and body text was not redrawn correctly when the header or footer extend et into the body text because the top or bottom page margin was not sufficient.

JSOWrite Bug Fixes

ID : 1770**Fixed in version :** 4.5.0.0**Short Description:** Lists problem**Full Description:** 1)The property "start at" of list doesn't work in the last version

2)If I want to create a number list, witch has some line of text with a text that comes on new line (I use "Shift+Enter") (see the image attached), when I save the document and reopen it, the text is wrong (see library dfl, document "Lists" on <ftp://temp:888@demo.888sp.com/public/OwrLib/OWriteDocumentManager.zip>)

AttachedFile: OWrite-ListsVisual.png

Comments :**ID :** 1771**Fixed in version :** 4.5.0.0**Short Description:** Alignment of evaluated table

Full Description: I create a template with a table aligned to the right.
When I evaluate the template, the evaluated table is positionated on the left. (This problem occurs only when a evaluated table goes on more than 1 page)
If I print the document on PDF, the table is positioned on the right.
I modify your dfl. The template is "Example: Table - Pictures" and there are 3 evaluated document.
To download the file :
<ftp://temp:888@demo.888sp.com/public/OwrLib/OWriteDocumentManager.zip>

Comments :

JSOWrite Enhancements

ID : 1747

Implemented in version : 4.5.0.0

Short Description: js :\$findinit,\$replace

Full Description: in order to fully understand the mechanism of setting up find and replace functions, I tested in the documentmanager demo, this function is operational and works very well, I tested in the demo version jsWrite, the search function can never find the desired word, I attached a pdf document with screenshots.

Comments : The client find & replace functionality required some further work which we have now completed. The old \$search method is now obsolete and the new client method \$searchex should be used instead.

The syntax of the new client search method is as follows:

\$searchex(searchType,searchValue,searchFlags,searchMode,replaceValue,asyncId,asyncData)

Function:

Will search for plain text search string or regular expression. A asynchronous message is generated if the parameters asyncId and asyncData have been specified.

IMPORTANT: A properly working find & replace interface must make use of these asynchronous messages to keep track of whether the next click on the search button should supply a mode of "New" or "Next" or to work out what search/replace buttons should be enabled. When receiving the asynchronous message evAsyncDone, the event parameter pAsyncResultData will contain the result of the search or replace-all action. A unsuccessful search or when a repeated search has wrapped around to the starting point will set this parameter to zero. The next search action should then start a new search with the mode "New". A successful search will set it to 1 and the next search should use the modes "Next" or "Prev". A replace-all action can be performed at any point and on completion pAsyncResultData will contain the number of occurrences that have been replaced.

Parameters:

searchType: One of the strings "text", "textRegExp", "class", "bookmark". The "textRegExp" is new and JS regular expressions are fully explained at https://www.w3schools.com/jsref/jsref_obj_regexp.asp. **IMPORTANT:** regular expressions are explained as in "/pattern/modifiers;". When calling \$searchex you only specify the "pattern" for the searchValue parameter and "modifiers" for the searchFlags parameter, thus excluding the expression separators '/' and ';'.

searchValue: The plain text search string when searchType is "text" or the regular expression pattern when searchType is "textRegExp".

searchFlags: Additional regular expression modifiers when searchType is "textRegExp". If not supplied the flags default to "gi" (global case insensitive search). **IMPORTANT:** you may specify the non-standard expression flag 'w' for whole word searches. \$searchex will always append the "g" modifier flag which is essential for our implementation, but it does not have to be specified by the developer. In most cases you may only specify "w" for whole word searches or an empty string for case insensitive searches.

searchMode: Specifies one of the strings "Prev", "Next", "New" or "ReplaceAll" when searchType is "text" or "textRegExp". Whenever you start a new search (i.e. the search string has changed or you completed the previous search by reaching the end of the document) the mode "New" should be used. After the initial "New" you may continue searching with "Next" or "Previous".

replaceValue: Specifies the new text for replace actions when searchMode is "ReplaceAll". Only plain text is supported.

asyncId: The asynchronous ID that is returned in the pAsyncId event parameter to the evAsyncDone event when the search/replace action has completed.

asyncData: The asynchronous data that is returned in the pAsyncData event parameter to the evAsyncDone event when the search/replace action has been completed.

The example library Find & Replace interface can be found in the main JS OWrite example (rfOWriteJSDemoFullSize). Clicking the document tab on the client interface will reveal the search tab. All relevant code changes are marked with the string “change_2190531” which you can search for. The changes are within just two classes (rfOWriteJSDemoFullSize and rfOWFormatDocument).

The new search form implements the standard buttons below as well as various option check boxes and entry fields for the search and replace text.

Find: executes a simple find using \$searchex() (must be used before ‘Replace & Find’ will be enabled)

Replace & Find: Replaces the current selection using \$insert() and finds the next occurrence using \$searchex().

Replace: replaces the current selection only using \$insert().

Replace All: replaces all occurrences by calling \$searchex() with the searchMode “ReplaceAll”

ID : 1766

Implemented in version : 4.5.0.0

Short Description: Vertical cell alignment

Full Description: The vertical cell alignment feature (introduced to desktop client in version 4.3.1) is missing from the JS-Client implementation.

Comments : We have implemented the vertical cell alignment in the JS-Client implementation and the new examples provide a sample interface within the table cell properties tab.

OWrite Bug Fixes

ID : 1688

Fixed in version : 4.5.0

Short Description: table rowheights augmented since 4.0.1

Full Description: We have setup some tests which build documents with our software to prevent regressions. To check documents, we compare rtf files generated with referenced ones.
Of course, when owrite changes version, some basic parts of the rtf changes too, but it is identified and presents no problem for us.

But I experienced that since 4.1, the row height of the table lines in the documents are a little larger than those in 4.0.1 (\trrh in the rtf) and it is visible when opened in word or oWrite.

In Word, I asked for the table line property and it shows that the rowheight minimum value is filled and rowheight forced to this value. If I remove this minimum value, the row appearance returns to the one I get with oWrite 4.0.1.

I understand it is no very harmfull, but in fact the appearance with the row height 4.0.1 was better and caused less page breaks, so if you can identify the reason I would be gratefull.

Thanks

Comments : When testing with the sample document (provided by case 1760) we double checked all figures related to table row heights that were exported as part of the RTF and found them to be accurate. However, it appears that MS Word, when specifying a minimum height for table rows, adds an additional amount to each table row, even though no extra spacing or borders are specified. Consequently, we feel the problem here is with MS Word.

Nevertheless, we found that if OWrite, instead of specifying the minimum row height, specifies the exact row height during export, the document is formatted correctly by MS Word. We have now implemented code that will do just that when the third parameter to \$savedata (bMakeDataPermanent) is true. It is assumed that documents exported with this parameter set to kTrue are not intended to be modified further, hence the use of this parameter in this way makes sense.

ID : 1734

Fixed in version : 4.5.0

Short Description: Text get crumpled up if you set \$printdpi

Full Description: It think I finally found what caused this. See attached library, for me when you open up the test window it will load the binary included and the text gets all overlapped.

It took me a bit of experimenting because it started off fine however it goes wrong when you set the \$printdpi to non-zero. At this point it starts calculating the wrong positioning information.

I wonder if this also explains some other font issues we've been having?

I'm going to set the \$printdpi in our edit fields to 0, I have honestly got no idea why this was even set (I might find out soon) but this may help you find something that isn't working properly.

AttachedFile: crumblefonts.zip

Comments : In version 4.5.0 we have overhauled once more the way we measure and render text. The most substantial work was carried out on MS Windows and thorough testing is required before releasing this build to clients.

As part of this work we now directly access system functions to measure and render text on windows.

On MS Windows

- when on-screen appearance is of primary importance, \$screendpi should be set to kWriScrDPI96 and

\$sprintdpi should be set to -1 which will result in OWrite picking the native screen resolution most compatible with Omnis.

- when printed output is of primary importance, \$sprintdpi should be set to zero.

On Macintosh, the \$sprintdpi setting is now ignored as both screen and printed output are always identical in appearance due to the way the macOS renders text.

As well as improving rendering of text, we have also reworked the way underlines are handled. There should be no more gaps between underlined words regardless of justification or scaling. Furthermore, underlines will extend across tabs correctly.

ID : 1746

Fixed in version : 4.4.0

Short Description: Problem with header for tables

Full Description: We use owrite component to generate tables from a template. Happens that tables on more than one page change color for header text. It's a behaviour of last components (I tried owrite 4.3.0) but it works fine using owrite 4.0.2. I attached two print examples, one using owrite 4.3.0 and the second with owrite 4.0.2. On the examples you'll find a table from page 2 to 5, with white text and blue back color on header: looking the example with owrite 4.3.0 you can see a color change (white to black) for the header text, starting from page 3.

Comments : This change requires thorough testing

The area that requires testing prior to releasing this software is the importing of RTF documents or the pasting of RTF content, especially from other word processors.

ID : 1748

Fixed in version : 4.5.0

Short Description: Owrite window scales fonts when windows scaling is on

Full Description: Looking for a place to start. Client has win 10 laptop and using studio 8.1.6 (64 bit). from his support request, he says:

The display currently says it's at 3840x2160 resolution and 300% scaling

so it appears he has scaled his display to see things. Omnis 8.1.6 documentation says that it can handle high scale -- and doubles things, so per the picture, the omnis part of the display looks fine.

Owrite (I believe he has 4.1.3 on that machine as it was part of the deployment) shows up bigger/not to scale.

I'm going to have him download studio 10.0.0.3 with owrite 4.2 to see what happens.

but I'm wondering if owrite deals with the same scaling of the display DPI from the OS/Omnis.

he said our 32 bit studio 5.2.3 runtime displays fine and not till installing studio 8.1.6 did he see the problem. I'm suspecting the difference is DPI display capability... and maybe that's telling owrite something.

AttachedFile: OwriteSTUDI10-4K.jpg

Comments : Although we release a 4.3.1.0 patch which rectifies the specific issue reported here, we have carried out more substantial work to rectify various additional issues related to font scaling and underlining text.

This 4.5.0 release will require substantial testing prior to releasing it to clients.

ID : 1751

Fixed in version : 4.5.0

Short Description: black as background colour reverts to default

Full Description: Users reported to me that background colour set to black reverts to default so they cannot display white chars on a black background.
In your example library:
- choose "document manager", in "Welcome" document, select "About OWrite" and right click "Font".
- Choose white as text colour and black (rgb(0,0,0)) as background colour. and apply.
All seems Ok.
- click on "Table of contents" to change document and answer yes to save the change in "Welcome"
- Click back to "Welcome" : "About OWrite" has disappeared !
in fact it is white on default, so invisible.

I suggest that rgb(0,0,0) should not be treated as default if used as background colour.

Comments :

ID : 1760

Fixed in version : 4.5.0

Short Description: strange behaviour with \$papercontinuous

Full Description: I got a document built around a table with table header and footer to be repeated on each page. I import the doc attached in your example library. It needs repagination as can be seen in pages 3 and further.
As it has been saved with permanent parameter to false, it keeps the data to repaginate so I uses :
\$paperContinuous.\$assign(kTrue)
\$paperContinuous.\$assign(kFalse)
(I have added a button to do this in the tool bar)

As a result, the table seems ok as I look the bottom of each page, but line 2 of each table header since page 2 truncates the adress text.
In page 1 (and in the original document on each page) the adress was correct...

could you help about this ?
Thanks in advance

AttachedFile: Document.zip

Comments : This issue has been resolved by forcing table and footer cells to be re-paginated after they have been duplicated to be placed on inserted pages.

ID : 1763

Fixed in version : 4.5.0

Short Description: rulers does no more display the values

Full Description: In OWrite 4.5 beta 3, rulers does no more display the values. cf. jpg attached.

Comments : We have fixed this issue for version 4.5 beta 4.

This was a small side effect of us using the new Windows text rendering functions.

ID : 1764

Fixed in version : 4.5.0

Short Description: Special "?" in text

Full Description: Using latest OWrite 4.5 beta 3, I get ? in square displayed along text (cf. attached jpg)
It looks like coming from spelling tool (we do not use), but the oWrite.\$nospellcheck is set to true.

Is there a way to get rid of these ?

Thank you
Joel

AttachedFile: doc display sample.zip

Comments : This appears to be a problem when using the Calibri font (and maybe some others) using the new Windows functions we use to measure and render text. It appears that certain character combinations such as 'ti' or 'ff' result in ligating to take place. Ligating is the process when two adjacent characters are rendered using a single glyph. The two windows functions that we now use require us (so it appears) to detect this condition and manually reduce the glyph count before passing on the structures to the second windows function for rendering. We assumed the first function, which prepares the data structures for rendering, to do this for us. We have since discovered this is a long-standing quirk in one of the Windows SDK functions we are now using.

This issue has been fixed in version 4.5 beta 4.

ID : 1765

Fixed in version : 4.5.0

Short Description: Pasting a paragraph does not reinitializes existing tabs

Full Description:

- Import OWrite - tabs questions.owr attached document in your example library
- Check tabs of line 3 : 1 left tab at 2cm
- Check tabs on line i descriptionî : first indent=-3, left indent=3, left tab at 3.5 and 6 cm.
- Copy paragraph containing i descriptionî and paste it line 3

=> As a result, the paragraph in line 3 has both left tab at 2cm and the paragraph formatting pasted as shown in jpg file attached

AttachedFile: OWrite - tabs questions.zip

Comments : This was a regression caused by a fix for case 1751 and has been fixed for 4.5 beta 4.

OWrite Enhancements

ID : 1728

Implemented in version : 4.5.0.0

Short Description: Vertical align on table cell

Full Description: is it possible to enhance table cell options implementing a vertical cell align?
Like word options, see image attached.

AttachedFile: table_cell_option.png

Comments : The table cell's \$curobjalign property can now be calculated from one of the kWriObjAlign... constants.

ID : 1750

Implemented in version : 4.5.0.0

Short Description: OWrite - create a Front Page

Full Description: We are using Owrite with Omnis and for one of the generated document we need to insert at the beginning a front page without page number and not incremented the count of pages.

Sample with 4 pages (3 pages and 1 front page) :

Front Page

. No page information

First page

. 1/3

Second page 2/3

Third page 3/3

Is it possible and how can we done it ?

Comments : We have introduced the following additional info object types

kWriObjTypeInfoPgCntFP: Displays the page count excluding the first page (total - 1)

kWriObjTypeInfoPgNumFP: Displays the current page number excluding the first page (page number - 1)

kWriObjTypeInfoPgCntLR: Displays the page count in lower case roman numerals

kWriObjTypeInfoPgCntUR: Displays the page count in upper case roman numerals

kWriObjTypeInfoPgNumLR: Displays the page number in lower case roman numerals

kWriObjTypeInfoPgNumUR: Displays the page number in upper case roman numerals

The new types kWriObjTypeInfoPgNumFP and kWriObjTypeInfoPgCntFP are useful for displaying page numbers and page counts that begin following the first page and would typically be used in conjunction with the first page displaying different headers/footers (see \$headfootfirstpage).

ID : 1755

Implemented in version : 4.5.0.0

Short Description: Loading a RTF file with a embedded image produces poor quality image

Full Description: Loading a RTF file with a embedded image to use as a email signature block.

The picture (Originally a PNG) looks like it has been compressed or something. The quality is really bad.

If you open the file in WordPad or MS Word it looks fine.

I am attaching the file.

This is the code I am using to load.

```
ReadBinFile (con(inPictPath,'__EmailSig.rtf'),lvSignature)  
Do $inst.$objs.RTFnotes.$insertTEXT(lvSignature,kFalse,kTrue,kFalse)
```

AttachedFile: __EmailSig.rtf

Comments : On inspection we found that the image within the RTF contained a windows meta-file image. Other word-processors are able to display this images at full quality as they do not need to convert the meta-files to a bitmap based image. OWrite however has to convert the image.

We have added a new custom parameter for loading meta-file images within RTF data. The custom parameter kWriLoadMetaQuality can be used to specify a multiplication factor (valid values are between 1 and 8) to increase the image width and height that is used to convert a windows meta file to a pixel based image. This should improve the final quality of the bitmapped image to some extend.

WARNING: using this feature will increase the overall image size by the specified factor squared. For example a meta-file with an intended resolution of 100 by 50 pixels will be scaled to 400 by 200 pixels if a factor of 4 is specified. This results in an image size of 80,000 pixels (400x200), which is 16 times larger than the 5,000 pixels (100x50) if no factor had been specified.

JSOWrite Bug Fixes

ID : 1744**Fixed in version :** 4.3.0**Short Description:** Problem to load a jsowrite document from a second time

Full Description: In a pagepane I have a subform that loads a form with jsOwrite. I call it a first time everything is ok. I close the form then reopen it but the jsowrite document does not load, I have to refresh the application.
I enclose a demonstration video.

Comments : The minify process of one of our scripts had removed a vital function because it wasn't declared as an external function in our minify extern declaration. The function was responsible for removing old HTML object references so when the form destructs and a new-one was recreated some parts of our code was using the old HTML object reference.

We have released new scripts version (version 4.3.0.0) for the version 4.3.0.0 general OWrite/JS-OWrite maintenance release. Please make sure you update your jsctempl.html file to prevent the browser from caching the old scripts (see technical hint in the December Newsletter at https://home.brainydata.com/news/news_20181202.pdf).

OWrite Bug Fixes

ID : 1727

Fixed in version : 4.2.0.1

Short Description: Unable modify page footer

Full Description: Using a model of a customer, Omnis freeze when they try to modify the page footer.
I attached the model in owr format.

AttachedFile: Modell_XDomus.owr.zip

Comments : There was some corruption present within the formatting information of the footer text. Some text has a zero point size, others has a correctly set point size. We are unsure how this corruption occurred, but it was the cause of an endless loop within OWrite. We have fixed the endless loop but we strongly recommend the user fixes the text by selecting all text within the footer using the 'Select All' edit menu option and re-applying the correct font name and point size.

ID : 1729

Fixed in version : 4.2.0.2

Short Description: Calculated picture field lost in copy

Full Description: We uses :
Do pRefEdit.\$savedata(lBinValue,kWriFmtRTF,kFalse,kWriSaveSelection,kTrue)
Do pRefEditDest.\$::insert(kWriObjTypeText,utf8tochar(lBinValue),kFalse)

To copy some not evaluated text from a template to another.
All works fine but Picture Calculated fields are replaced by picture field without any calculation.

I tried using editcopy/editpaste but I got the same result.

Is there a way to keep the calculated picture fields during copy ?

Comments : Calculations and all associated data such as click calculations and tooltips were failing to import for calculated pictures. Existing RTF exported should be fine. The data was only lost during importing or pasting RTF from the clipboard.

ID : 1740

Fixed in version : 4.2.0.3

Short Description: Attempt to print multiple pages prints only one page

Full Description: We have a problem with oWrite 4.1.3.0 and 4.2.0 in Omnis Studio 8.1.6 and Omnis Studio 8.0.3.5 (on macOS (tested with Mojave) and Windows (tested with Windows 10)):
When we try to print multiple pages with oWrite, we get only one page printed as result when using an item reference.
The behaviour in different versions:
oWrite 4.0.2:
prints all pages when using an oWrite-item-reference ó> OK
prints all pages when using an oWrite-external-object-variable ó> OK
oWrite 4.0.3:
prints all pages when using an oWrite-item-reference ó> OK
prints all pages when using an oWrite-external-object-variable ó> OK
oWrite 4.1.3.0:
prints all pages when using an oWrite-item-reference ó> OK
prints only one page when using an oWrite-external-object-variable ó> NOK
oWrite 4.2.0:
prints all pages when using an oWrite-item-reference ó> OK
prints only one page when using an oWrite-external-object-variable ó> NOK

I attached an lbs to reproduce the problem.

In our code we use both methods (item-reference and external-object-variable).
Are we doing something wrong or is it a bug in oWrite 4.1.3.0 and 4.2.0?

AttachedFile: issue1PagePrint.lbs.zip

Comments : The issues was caused by an uninitialized variable that was introduced in version 4.1.0 (case 1641).
The problem is an intermittent problem that effects documents that were loaded using RTF or plain text. Such documents may only be formatted as a single page due to the uninitialized variable.

OWrite Enhancements

ID : 1730

Implemented in version : 4.2.1.0

Short Description: Selecting a merged field, getting incorrect properties

Full Description: Ok weird, one. I have an oWrite field with a calculated field inside. I have some logic that replaces the calculated field with the actual value. I do this so I get accurate sizing information.

To select the calculated field I call:

```
Do owriteobject.$setselection(kWriSelectStart,kWriSelectEnd,objectid)
```

Then I overwrite the field like so:

```
Do owriteobject.$::insert(kWriObjTypeText,data,kWriInsertOver)
```

This used to result in the data being put in place with the correct formatting but we noticed it broke in the current version.

Testing we found out that the properties like \$curtextcolor all have the value of whatever contents is right before the selected field. It is like the start of our selection is slightly too early. As a result inserting the data gives that data the properties of whatever came before.

Any idea if I'm doing something wrong or if this is an issue in oWrite?

Comments : The behaviour of \$::insert was changed in version 3.0 at the end of 2012. One of the problems was that if one changed programmatically the style settings at the current insert position (when no text was selected) the \$::insert was loosing those settings. A side effect of this change was that the style of the current selection was ignored if that was different to the surrounding text.

As this change was made so long ago, it is not possible to restore the original behaviour so we had to change the behaviour of the third parameter which amounts to a new feature. Traditionally, the third parameter was a boolean parameter that specified if the inserted text is to be selected following the insert. We have two new parameter constants that can be passed instead.

kWriInsertSelect : inserted text will be selected following the insert. This replaces the original kTrue value for this parameter, although existing code which passes kFalse or kTrue will behave as before.

KWriInsertKeepStyles : if specified this will keep the styles of the current selection and apply it to the inserted text, the behaviour that was lost in version 3.0

To use these in combination you simply add them together.

```
Do ivEdit.$::insert(kWriObjTypeText,"some text",kWriInsertSelect+KWriInsertKeepStyles[,custom parameters])
```

ID : 1736

Implemented in version : 4.3.0.0

Short Description: Links to external web pages

Full Description: One of our clients has asked if it is possible to use html type links in the PDFDevice.

At present they are using something like:-

For more info see "www.adnetltd.co.uk/support.html"

which works correctly, however some of their links can be quite long so they would like to use something similar to an html link

i.e

For more information click here

Is this possible in the PDFDevice?

Comments : OWrite was already able to produce these kind of links with standard 'http://' urls. We have now added support for links to 'https://' and ensured that the link style and colour are carried through to the PDF file.

To create an active link that displays different text within a PDF file (requires PDFDevice to produce the PDF file), insert a calculated field with the URL as its link calculation.

We have also update OWrite to generate an evObjClick event when the click calculation is not a valid calculation and begins with http:// or https://. Please refer to the documentation regarding the evObjClick event and its parameters. The latest fat-client examples have been updated to handle this event.

JSOWrite Bug Fixes

ID : 1719**Fixed in version :** 4.1.4.0**Short Description:** Problem with Justified text with bullets list

Full Description: I find a problem with bulleted list and text alignment.
If I insert a bulleted list in a new document and then I try to justify the text in the list, as a result the text isn't justified.
In the previous version of the component, the text embedded in the bulleted list, was justified correctly.

Comments : We confirmed that the text justification was not working for the kWriStyParaJstFull option for text in bullet lists nor was the correct justification displayed in the JS interface for kWriStyParaJstCenter and kWriStyParaJstRight even when the text was correctly justified.

It is possible that this was a regression, but we were unable to confirm when this may have stopped working.

JSOWrite Enhancements

ID : 1720

Implemented in version : 4.1.4.0

Short Description: Improvements to copy functionality

Full Description: We have added some special code to better handle copy content requests by the browser, thus improving the appearance of that content when pasted to other word processors.

Comments :

ID : 1721

Implemented in version : 4.1.4.0

Short Description: Support of field view display.

Full Description: We have added support for the kWriViewField display mode. Please note: The value of the \$pageview property is stored with document data, so changing this mode and saving the document will cause the document to be displayed in the new display mode the next time it is loaded by OWrite Desktop or JS-OWrite.

Comments :

OWrite Bug Fixes

ID : 1714

Fixed in version : 4.1.3.2

Short Description: Impossible resize columns on table

Full Description: When I set the parameter '\$pageview' to 'kWriViewNormal', I can't resize entire columns on tables (it's resized the cell only).

Comments : This issue was caused by the floating point changes in OWrite version 4.1. Further more, because of the different behaviour required by Cocoa when drawing sizing rects, we had to do some changes in the way these were drawn in general.

ID : 1715

Fixed in version : 4.1.3.2

Short Description: Strange behaviour resizing columns

Full Description: When you resize columns on a table using Win 10, a line is displayed all over the document.

Comments : This issue was caused by the Studio Cocoa changes on Macintosh. Because of the different behaviour required by Cocoa when drawing sizing rects, we had to do some changes in the way these were drawn in general.

ID : 1716

Fixed in version : 4.1.3.3

Short Description: Random crashes and other problems

Full Description: A customer use oWrite component under macOS to evaluate documents starting from own templates. Crashes occurs quite often simply modifying oWrite documents, without a particular actions sequence. Sometimes happens, sometimes no. Sincerly I don't know how face this problem. Tell me if there are any information to collect and send you to investigate the problem. Furthmore, with the customer's DB when some documents are opened, Omnis freeze and it's necessary force the quit.

For tests we used oWrite 4.1.3.2 (sended last week).

Thanks in advance

Comments : There was a problem with c++ object destruction which could cause intermittent crashes or hangs. This was a regression introduced during our major font-handling rewrite.

OWrite Enhancements

ID : 1722

Implemented in version : 4.1.4.0

Short Description: Method \$picturefrompage enhancements

Full Description: We have made two enhancements to the \$picturefrompage method

1) High-res snap shot support:

Passing zero for the width and height parameters (parameters 2 & 3) will cause the function to return an image at full screen resolution. This mode will consider \$docscale, making it possible to return high resolution images of the specified document page.

2) Taking snap-shot of specified object:

We have added a new parameter. When five parameters are passed to the method, the fourth parameter will specify an object ID for taking a snap-shot of the specified object only (instead of the entire page) such as a table field. What originally was the fourth parameter (the variable that receives the image) is passed in the fifth parameter. The function will automatically detect if four or five parameters have been passed and behave accordingly.

Comments :

Bug Fixes

ID : 1686**Fixed in version :** 4.1.2.6**Short Description:** Arrow keys tend to get stuck

Full Description: Not sure if this is something I do wrong or if this is a new issue but upgraded to 4.1.2.2 today and noticed that the cursor tends to get a little stuck.

Pressing up or down it will work for a few lines and then stop. Not sure what the difference is between lines it works and lines it doesn't work on.

Comments : This regression was caused by the 4.1.0 floating point changes. The new floating point measurements, although generally more accurate, resulted in subtle issues at boundary conditions when measurements are accumulated.

ID : 1689**Fixed in version :** 4.1.2.5**Short Description:** Crash in oWrite during nv-object destruction

Full Description: Doubt you can make any more sense out of this then me, we're getting this weird intermittent crash. The crashlog seems to indicate its somewhere in oWrite where things go boom but your guess will be better then mine as to where this may originate from :)

AttachedFile: omnis crash.log.zip

Comments : The crash occurred when document pages are destroyed when a document is closed, or when multiple pages are deleted from the document, i.e. when changing \$pageview from kWriViewPageLayout to kWriViewField. The later could simply occur when a document that was saved in kWriViewPageLayout view is opened and then displayed in kWriViewField mode.

ID : 1693**Fixed in version :** 4.1.2.6**Short Description:** Strange cursor behaviour

Full Description: I just deployed Studio 8.1.6 with version 4.1.2 of OWrite. We are now seeing some strange cursor behaviour. Sometimes the cursor doesn't move when you press on arrow keys (when you are on a title paragraph, when pressing down you do not move to the line below which is in a different style)

Have you seen this behaviour? Otherwise I need to try to make a reproducible case.

Comments : This regression was caused by the 4.1.0 floating point changes. The new floating point measurements, although generally more accurate, resulted in subtle issues at boundary conditions when measurements are accumulated.

ID : 1694**Fixed in version :** 4.1.2.6**Short Description:** Images shrink and show black background

Full Description: When running Studio Cocoa on retina display, images (although drawn at first correctly), will be drawn at half their size, with the remaining image space drawn black.

Comments : This issue was caused by changes for the Studio 8.1 port back in April 2017. Only Studio 8.1 on retina systems was effected and only when drawing images on-screen which uses the OWrite image cache to

improve performance of document updates.

ID : 1696

Fixed in version : 4.1.2.7

Short Description: In Studio 9 text boxes do not display

Full Description: I have just been having a go with Studio 9 Beta and installed your plug ins and have an oddity when displaying a text box behind the text.

When in the settings for the text box and I click Behind text the box display of the box disappears and I can only get to it by changing the position of the box to be in front of the text.

In Studio 6 all worked perfectly but not in 8 or 9

I've attached 3 pictures to hopefully show what I am getting. The studio 9 just cursor screen shot should have a flashing cursor but I couldn't time the taking of the picture correctly

Comments : This was a regression caused by the Studio/OWrite COCOA ports.

ID : 1701

Fixed in version : 4.1.2.8

Short Description: Difficulties in getting the tabs to work

Full Description: I got a remark from two users, which are struggling with the editor. One issue they have is getting tabbing to work. They can't align several paragraphs to match horizontally

So I tried this in the demo-library and can't get it to work correctly either. When I add a tabstop in the ruler, i can't remove it anymore (when I drag it out, I sometimes see the trash can, but when I release the tabstop remains). Also, when I horizontally drag a tabstop to drag it to another position I get a new gray one? Or I get another one on almost the same location. When I move the cursor to another position and go back the gray one is suddenly black (not always though).

This used to work fine. Not sure when it stopped working nicely. Also, is there an option to let moving the tabstop only snap on a grid?

Comments : This issue was caused by changing OWrite document measurements from integer to floating point data types.

ID : 1704

Fixed in version : 4.1.3.0

Short Description: Problems when hide rulers on owrite (macOS only)

Full Description: We have problems under macOS when hide rulers. When we hide rulers, the owrite object became 'not enabled' and lose the focus. Showing the rulers don't solve the problem: the owrite object stay 'not enabled' and is not possible reach the object with mouse click (in addition rulers are not displayed anymore). We are unable to reproduce this error with your owrite library example. I attached a FTP link to download a short movie to show the problem.

AttachedFile: Readme.rtf

Comments : There is some issue with the Studio COCOA port when deleting and creating HIViews using the window component SDK functions. We have not been able to discover exactly what the problem is, so we changed our code to hide and show the window components that display the rulers instead. This appears to resolve the issues reported here.

We have tested various combinations relating to rulers on both windows and mac, but we recommend you do the same within your environment. The options that effect the display of rulers are the \$::showrulers and \$pageview properties.

Bug Fixes

ID : 1686**Fixed in version :** 4.1.2.6**Short Description:** Arrow keys tend to get stuck

Full Description: Not sure if this is something I do wrong or if this is a new issue but upgraded to 4.1.2.2 today and noticed that the cursor tends to get a little stuck.

Pressing up or down it will work for a few lines and then stop. Not sure what the difference is between lines it works and lines it doesn't work on.

Comments : This regression was caused by the 4.1.0 floating point changes. The new floating point measurements, although generally more accurate, resulted in subtle issues at boundary conditions when measurements are accumulated.

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I've attached 3 pictures to hopefully show what I am getting. The studio 9 just cursor screen shot should have a flashing cursor but I couldn't time the taking of the picture correctly

Comments : This was a regression caused by the Studio/OWrite COCOA ports.

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Fixed in version : 4.1.2.8

Short Description: Difficulties in getting the tabs to work

Full Description: I got a remark from two users, which are struggling with the editor. One issue they have is getting tabbing to work. They can't align several paragraphs to match horizontally

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This used to work fine. Not sure when it stopped working nicely. Also, is there an option to let moving the tabstop only snap on a grid?

Comments : This issue was caused by changing OWrite document measurements from integer to floating point data types.

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Short Description: Problems when hide rulers on owrite (macOS only)

Full Description: We have problems under macOS when hide rulers. When we hide rulers, the owrite object became 'not enabled' and lose the focus. Showing the rulers don't solve the problem: the owrite object stay 'not enabled' and is not possible reach the object with mouse click (in addition rulers are not displayed anymore). We are unable to reproduce this error with your owrite library example. I attached a FTP link to download a short movie to show the problem.

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Comments : There is some issue with the Studio COCOA port when deleting and creating HIViews using the window component SDK functions. We have not been able to discover exactly what the problem is, so we changed our code to hide and show the window components that display the rulers instead. This appears to resolve the issues reported here.

We have tested various combinations relating to rulers on both windows and mac, but we recommend you do the same within your environment. The options that effect the display of rulers are the \$::showrulers and \$pageview properties.

Bug Fixes

ID : 1679**Fixed in version :** 4.1.2.1**Short Description:** Words overlapping on Windows 10 Retina systems

Full Description: When running on Windows 10 with a retina screen and \$Printdpi is non-zero, the words are overlapping horizontally by about 50%.

Comments : It appears that our virtual machine Retina test platform had not been configured correctly so the 4.1.0 changes were never tested on Windows 10 with retina. We have resolved this issue which only effects Windows platforms that support retina displays and Omnis Studio version 8 or later. We have also updated our testing procedures and platforms.

ID : 1684**Fixed in version :** 4.1.2.2**Short Description:** Intermittend crash when hovering over header or footer

Full Description: There is an intermittend crash when the mouse hovers over the header or footer section.

Comments : This issue was caused by the header/footer painting code as it incorrectly managed font selection. It is a regression that was introduced in 4.1.0.

ID : 1687**Fixed in version :** 4.1.2.3**Short Description:** Tabs are out of whack

Full Description: Ok this one is weird, seems to have only started since we went onto 4.1.2.2

It looks like tabs just add the tab size as is. So say that you set the default tab size to 1cm and add a tab into the text, it just adds 1cm of space instead of tabbing to the next tab position at 1cm intervals.

As a result text isn't being aligned properly.

See the screenshot that I created by setting the default tab size to 1cm, typed in some text and then separated the numbers with tabs. I would expect the 2's, 3's, 4's etc. to all be nicely underneath each other.

Comments : This appears to be a regression caused by our move from integer co-ordinates to floating point co-ordinates in OWrite 4.1. The default tab calculation tried to align the default tab positions by throwing away fractions using a div-mul operation. Unfortunately, when our internal coordinate type was changed to floating point we needed to typecast the result of the div to an integer, so the fractions are discarded.

Bug Fixes

ID : 1671**Fixed in version :** 4.1.1**Short Description:** tableAction problem

Full Description: using version 4.1.0 \$tableaction(kWriTblActPrevCell) keeps returning ktrue with a table containing only one column.
This was not the case with version 4.0.1

```
I uses this return code to get the 1st cell of current row and the code now enters an endless loop:
Calculate lRow as iRefEdit.$curtblrowid
While iRefEdit.$tableaction(kWriTblActPrevCell)
If lRow<>iRefEdit.$curtblrowid
    Do iRefEdit.$tableaction(kWriTblActNextCell)
    Break to end of loop
End If
End While
```

In the same manner, \$.tableaction(kWriTblActNextCell) does not return false with a table containing only one column

Comments : This issue was due to an existing logic error which has been exacerbated by additional warning errors that were reported erroneously when loading a document. The existing logic error was: if after calling \$loaddata the warning messages were not retrieved by querying the \$docwarnings property, the warning error -13, instead of the true method result, would be returned by subsequent method calls.

We have updated the code so methods will only report a warning error if a new warning was generated during that method call. Note that the list of warnings is only cleared after querying the property \$docwarnings.

ID : 1672**Fixed in version :** 4.1.1**Short Description:** OWrite fails to load in Studio 4.1

Full Description: Seems that 4.0.1 is not compatible with Older (Not updated versions of Windows. Getting a component failed to load message on Windows 7, Windows VISTA, Windows XP and Windows Server 2003.

The four Windows 7 machines that his shows up on are systems a customer has offline and hence never received Microsoft updates.

Comments : This issue was caused by our latest build tools having incorrectly converted our projects which may also effected earlier version of OWrite. We have rectified the OWrite projects for version 4.1.1. Should you require earlier version please contact technical support using the online support contact form.

ID : 1674

Fixed in version : 4.1.2

Short Description: Table with only one line does not show evaluated content

Full Description: I insert a table to display the contents of a list.
When I do "evaldocument", if the list has only one line,
it doesn't work but if it has more than one line the content is shown correctly.

Comments : In the provided example, both the table and the result list had an equal number of lines (1 line in this case), so no additional table rows were inserted during evaluation.

It appears that when no new rows are inserted when evaluating a document, the document is not marked as modified, even when the cell content of the existing cells has changed. It appears that your sample code tests the modified flag prior to saving the document for display on the client.

We have made sure that if the content of a document is altered during evaluation, the document is now always marked as modified.

Bug Fixes

ID : 1645**Fixed in version :** 4.1.0**Short Description:** Vanishing OWrite letters

Full Description: I've got what might be a couple of sites indicating that their owrite letters simply vanish and I wanted to know if you'd heard of that.

the best that I can come up with as way of background is that in one scenario (OSX machine):
person A put in a letter. persons B & C could see it
Person C put in a letter. Person A opened it .. nobody could see it any more.

I suspect versions of owrite. Person C had just recently installed the latest TM (based on studio 5.2.3) which has the latest oWrite, ospell, ocal, ogantt from your web site.

person B has slightly older owrite.
Person A had owrite 3.8 (a ways back).

seems that person A opening a letter in a created by a newer owrite caused grief and blew it away.

but I can't prove that is the case. since I've got them to update owrite on all workstations and the problem has not reoccurred.

Comments : OWrite version 4.x and version 3.x document data is different in structure. When loading and saving a document with version 4, version 3 can no longer load the data and the control ends up displaying an empty document. I suspect, what then happened is that the version 3 OWrite was asked to save the document (which now was empty) and overwrote the data in your DB. OWrite should return an error code (-2) when it fails to load a document. Unfortunately, while double checking the code, we discovered a logic problem in the code. OWrite returns an error code on saving if there was an error, but the error code is lost when loading data. We have corrected OWrite so the appropriate error codes are returned by \$loaddata.

For future reference, major version releases will always contain structural changes to the data which means that previous versions may not be able to read the new document formats. So you must always update all your clients with new major versions of OWrite.

ID : 1650**Fixed in version :** 4.0.3**Short Description:** Omnis crashes after activation of oSpell

Full Description: I get a crash of Omnis after the third time I open the oWriteBasicEditor window and type some 'faulty' text in the editor ('asdf'). The steps to reproduce:

1. Open Omnis Studio 8.1.5 Runtime 64x
2. Open the oWrite example: OWriteBasicEditor.lbs
3. Click the button 'oWrite Stand-Alone'
4. type the text asdf and a Space
5. Close the window with the key combination Cmd+W
6. Repeat steps 3-5 for another 2 times.

Result: After the third time Omnis crashes. Attached the crash dump of MacOS.

AttachedFile: Ominis oSpell CrashLog.txt.zip

Comments : We have been informed that this issue has been fixed for the next Studio release, but we have also

been offered a work-around which we have implemented. If you would like to receive a patch release (OWrite version 4.0.3) for Studio 8.1.5 Macintosh please let us know. Windows is not affected.

ID : 1656

Fixed in version : 4.1.0

Short Description: Context menu not working in Studio 8

Full Description: In Studio 8.x Mac OS X, the OWrite context meny, which is displayed by calling the OWrite method \$popupmenu, no longer appears.

Comments : This was working during the initial cocoa port of OWrite but stopped working at some point. We have changed the cocoa menu code and the context menu appears to work now correctly

ID : 1661

Fixed in version : 4.1.0

Short Description: Table cannot be deleted

Full Description: I had encountered this before, but the table was close to another one. This is not the case here.

Please find attached a document.owr

In the example library, import the document.

It contains a table.

Click on the left of the table to select and click Del or right-clc and select 'Clear'.

nothing happens...

I get the same behavior with program lines

- Select the table with \$setselection(kWriSelectStart,kWriSelectEnd,tableId)

- editclear()

could you tell me why the table is not deleted ?

Thank you

AttachedFile: Document.zip

Comments : When you select cells by clicking to the left of a table row and select no content outside the table cell, pressing backspace causes the table-action logic to be called instead of the general document content delete. Unfortunately, there is a logic error in the code that requires two or more cells to be selected (when there is no current cell) for the table action kWriTblActDeleteCells. We will correct this for OWrite version 4.1 which should be released soon.

There are two work-arounds:

1) clicking onto the cell and then calling \$tableaction(kWriTblActDeleteCells) will delete the single-cell table. The OWrite document manager example has table-actions within its context menu so a context click in the cell will display this option in the context menu and I can delete the selected cells/current cell and thus the table.

2) selecting the table row and the extra empty paragraph after the table will delete the table as it circumvents the table-action code.

Enhancements

ID : 1627

Implemented in version : 4.1.0

Short Description: Get selection position

Full Description: I am looking for a way to get the position of the current selection in the document coordinate, that mean distances from document top and document left.
The document may not be displayed in a window.

I would use the position obtained to place correctly a watermark so that it does not hide some important information in the printed document.

Is there a way to do this ?

Comments : We have added a new method called \$getselpageoffset which returns the page number and offset into the page for the start or end of the current selection. For example:

```
// return page number and offset for start of selection (left-top of selection)
OWrite.$getselpageoffset(page_number,horz_offset,vert_offset,kFalse)
// return page number and offset for end of selection (right-bottom of selection)
OWrite.$getselpageoffset(page_number,horz_offset,vert_offset,kTrue)
```

The offsets are returned as floating point values specifying inches or cms depending on the \$usecms setting. The forth parameter specifies if the start (kFalse) or end (kTrue) of the selection is required.

ID : 1628

Implemented in version : 4.1.0

Short Description: Dictation Support

Full Description: Version 4.1.0 implements Mac OS dictation support in conjunction with dictation support features that were added in Studio 8.1.4 which is the minimum Studio version when using 8.1.x.

Comments :

Bug Fixes

ID : 1630

Fixed in version : 4.0.2

Short Description: Crash & other issues when importing example library from JSON

Full Description:

Comments :

Bug Fixes

ID : 1475**Fixed in version :** 3.9.3**Short Description:** \$curtblrowevalcansplit, doesn't work.**Full Description:** if I set the property to any table and evaluate the document the table doesn't show the content, it's blank.

Please use this case ID to communicate with us about this case. Note. Please only submit on request per issue.

Comments : You can find a library example for js client.

As you can see the property "split" isn't maintained on the jsClient (in document manager is set). If you evaluate the document on js Client (test form on jsClient and push button "evaluate") this doesn't work.

The same document works on fat client in document manager.

I attach some different example to test the split function (5/6 example)

ID : 1540**Fixed in version :** 3.9.0**Short Description:** Compatibility with unicode**Full Description:** we are beginning our migration from non-unicode to unicode version of omnis. We have used \$curobjdisplay property to set display of some fields with relevant texts but they appear transformed in unicode version. For example, we have set "Röf." as display (with e accute in french) in omnis 4 non-unicode and get 'RΦ.' in omnis 8.

Is there a way in non-unicode before migration or in unicode after migration to fix the display conversion ?

Comments : It appears that text based information for calculated objects where not stored as UTF8 when we ported OWrite to unicode. Version 3.9.0 can be used to convert existing document with the non-unicode strings so they are stored as UTF8. Simply loading and saving the documents will convert them. NOTE: this must be done with the non-unicode OWrite.

WARNING: converted documents can not be opened by previous versions of OWrite.

Once converted, the documents can be loaded with both unicode and non-unicode version of OWrite and the text should be mapped correctly.

ID : 1555**Fixed in version :** 3.9.0**Short Description:** oWrite Window Component**Full Description:** Since some days I have upgraded to Mac OS 10.12 and Omnis Studio 8.02. I have upgraded also the comps (Version End 2016) of oWrite/Spell/PDF. I have not upgraded to 3.8.5.r because the problem is different to the reported Problem.

My Problem:

When cut/copy (with command-x oder command-v) a bigger, highlighted text out of a oWrite Window

Object (Field), Omnis crashes and finishes at once. When I make the same with a normal Omnis Studio Character-Field with the same text inside (the same field, but not defined as a OWrite Object), it works well. So it must have to do with the OWrite Field. This happened not with older versions (I worked before with Omnis Studio 6.01 and it worked well with the same oWrite Window Object.

With smaller pieces of text, it does not crash.

Comments : This was caused by a peculiarity of the Cocoa unicode string handling. It appears that some utf16 strings (depending on the content) require a BOM prefix and some do not when sending text to the MAC clipboard. When it is required and not included the MAC system appears to crash. We have now adopted our code to always include the BOM prefix for unicode text placed on the clipboard, even though it had always been generated using the system's correct byte ordering.

ID : 1618

Fixed in version : 4.0.1

Short Description: Editclear() do nothing without return value

Full Description: in your example library, please import the document in attached zip file.
The document presents 2 tables. In the first one, select the field "<Pour chaque compogravure" (1st table, line 2, 1st cell, 2nd line)
Now, if I press the del key, nothing happens.
Same result if I use context menu "clear" and method \$editclear() returns 0 as if all was ok...

NB: consider our software searches and deletes this kind of fields before calling for \$eval as part of our process

Please, could you tell me what is wrong with this ?
Thank you in advance.
Joel

AttachedFile: PbEditClear.zip

Comments : For case 1527 we added some code to prevent the accidental merging of two adjacent tables. However, the code failed to accurately detect when deletion was occurring within the confines of a table cell. This has now been rectified.

ID : 1620

Fixed in version : 4.0.1

Short Description: Problems with Export to JSON and Import from JSON Case CA08611

Full Description: The issue is when you export a library that uses you oWrite component to JSON, then some of the properties are not exported as expected.
See the attached example library, JSON export and image.
The properties found so far are \$backcolor & \$forecolor.

Comments : We have updated OWrite with new flags required by the JSON export.

Enhancements

ID : 1593

Implemented in version : 4.0.0

Short Description: Paste plain text

Full Description: Holding down the alt key on the Macintosh or the ctrl key on Windows while selecting Paste from the edit menu, will now paste plain text.

Comments :

ID : 1594

Implemented in version : 4.0.0

Short Description: Default normal style was not considering justification

Full Description: When OWrite creates a new document, the default 'Normal' style is created from the OWrite text properties. In previous versions, the justification was being ignored.

Comments :

Bug Fixes

ID : 1601**Fixed in version :** 3.8.9.6**Short Description:** All images show up blue

Full Description: Hopefully this is due to some new setting you introduced but upgraded to your latest version of oWrite and it is making all images blue.

Comments : It appears the latest version of OWrite needed to interpret the order of RGB values differently. At some point OWrite may have been changed to always import 32bit size pixel data which is passed to Omnis and Omnis appears to reverse the RGB values in this format.

ID : 1602**Fixed in version :** 3.8.9.6**Short Description:** Pasting a copied image pastes as blank

Full Description: Note: This was reproduced using the built-in display on a 2016 MacBook Pro.

Steps to reproduce:

1. Open the OWritePlusDocumentManager example.lbs library available from the OWrite downloads page
2. Close the splash screen
3. Select "Using the OWrite Ruler" under Documents
4. Right-click the first image
5. Choose Paste
6. The blank line above "Removing a Tab" to place the insertion caret there
7. Right-click the caret and choose Paste

Expected behavior: a copy of the image selected in step 4 is inserted

Actual behavior: A blank image is pasted.

Comments : This issue has been linked to Case 1601.

Bug Fixes

ID : 915**Fixed in version :** 3.8.9**Short Description:** Text shakes / flicker when typing in zoomed text

Full Description: When I am typing in a zoomed document (i.e. docscale=150) the text begins to shake/flicker.
screendpi=kWriScrDPIDefault
printdpi=96

Comments :**ID :** 1497**Fixed in version :** 3.8.9**Short Description:** Visual issues with HD screens on windows (on retina macbook)

Full Description: OWrite and OGant don't display correctly when running Omnis Studio in High Definition (for example on a retina macbook pro with 200% scale factor)

I have added three screenshots. One with oWrite with the 6 build in studio 8, one with the 8 build in studio 8 and also the issue with OGant in studio 8

Comments : We have resolved the issue in OWrite in version 3.8.9. We will enter a separate case for OGantt so this can be tracked independently.

ID : 1515**Fixed in version :** 3.8.8**Short Description:** Crash on Windows assigning \$pagenumber of NV-Object (renamed)

Full Description: I've included two images in the zip file showing the windows crash dialog. Diagram 1 is the top half and diagram2 is the bottom half.

Diagram 2 contains the context of what the client was trying to do. They had a document that they were trying to merge and got the list of merged letters.

the next step was to email it to a client. At that time the crash occurs.

meaning, that the crash occurs after being able to view a merge, and somewhere in the process of actually converting it to HTML to save it in the database.

I know this is very light on information. I am able to change the owrite DLL to version 3.8.0 and run the process -- it will not crash and emailing works. I can change it back to version 3.8.5 and it crashes. Change it back to 3.8.0 and it works. (I've repeated the above a few times to ensure that the problem does not exist with 3.8.0 and does exist with 3.8.5)

Client is using windows 2012 R2 (64 bit) and Studio runtime for 5.2.3 as a terminal server. All clients on the same terminal server report the same issue. Server has sophos AV software on it and I have had them disable it for the testing. 3.8.0 will work even if sophos is on.

the machine is about 2 months old, 32 gigs of ram, not running under a VM.

I can crash another part of the application that is processing owrite snippets to send out notifications --

and that also goes away with the older version of oWrite.

All other Brainy Data components are the latest as released on your web site as of aug 30, 2016.
(PDF device, Gantt, OCal, ospell)

I have not had another site with 2012 R2 report this issue yet. and everything seems to work with latest so far at other venues.

if there is anything I can do to gather more info, please let me know.

Comments : The specific crash reported here was caused by assignments to the \$pagenumber property of the NV-Object. This property was not intended to be assigned when a document is loaded into a NV-Object as it is used to scroll the document content to the specified page, thus requiring a visual component. We have made this call save for NV-Objects so it no longer calls the Omnis scroll functionality when no visual container is available as this appears to crash the windows platform. The Mac Omnis scroll function clearly tests for NULL visual containers.

In this specific case, due to the complexity of the library, we were unable to narrow down what causes the \$pagenumber set property call.

ID : 1527

Fixed in version : 3.8.8

Short Description: OWrite crashes when executing undo for the deletion of text between tables

Full Description: Versions: Omnis Studio 4.3.1.4.1 Runtime, OWrite: 3.5.0, 3.8.0 or 3.8.5 (non unicode)
Omnis crashes if one strokes Ctrl+Z (Undo) in the visual OWrite-Component. This happens only, when two tables which formerly have been divided by linefeed-Characters now stick together after the linefeed-characters have been deleted. When trying to undo the deletion, Omnis crashes.

Comments : We have adopted the MS-Word strategy and prevented the deletion of paragraphs between two tables if that would cause the tables to attach to each other. Thus, if deleting the current selection would remove all paragraphs between two tables no action is performed.

ID : 1533

Fixed in version : 3.8.9

Short Description: Redraw issue selecting text

Full Description: Using owrite as a multi line edit filed, there is an issue when you select text.

It can be reproduced also with your example, if you select text with click inside the field and you drag the mouse out of the field, the text scroll all on the right how you can see into the enclosed picture.

This happens also with the version 3.9.6.2 on OS 8.02 x64 and it is a quite serious for us.

I don't have done test with the x86 platform, if you think it can help I can do it.

On OSX seem to work fine.

Let me know if you have problem to reproduce it.

Comments : We belief this was caused by a change in Studio 8 in relation to setting scroll ranges.

ID : 1538

Fixed in version : 3.8.9

Short Description: TextBox over document page top margin not painting

Full Description: Using OWrite under omnis studio 4.3 non unicode, we could place a textbox over the top margin so that the main text could flow between margins but the textbox could overcome this.
Under unicode omnis 8 it seems it is no more possible, and the textbox is cut by the document margins.

Is there a way to recover the previous behaviour ?

Comments : This was a Cocoa port issue which has been resolved.

ID : 1551

Fixed in version : 3.8.9

Short Description: Copy and past image in oWrite

Full Description: When pasting (part of) an image into the oWrite component while running Omnis 8.0.2 it crashes the entire application.

Added you will find my steps to reproduce, system specifications and the used image:

Steps to reproduce:

1. Open image in preview
2. Select part of the image
3. Click Edit, Click Copy
4. In oWrite component either RightMouse and Paste OR Cmd+V
5. Omnis crashes

System specs:

OS: OS X El Capitan 10.11.6

oWrite version 387r

Comments :

ID : 1566

Fixed in version : 3.8.9.4

Short Description: Highlighted text conversion issue

Full Description:

converting AF_Prova.owr to list format I get AF_Prova_JSClient.PNG
In webclient it is like AF_Prova_WebClient.PNG.

Comments : This was caused by a general 64 bit issue with converting negative values between 32 bit and 64 bit integers. Colour constant values are 32 bit negative values. When saving documents that contain Omnis colour constants in style settings such as text colour, text highlight or border colours, the colour is lost and turns to black. Once saved in this state, this fix will not correct the documents. This fix will only prevent future corruption. Existing documents which have been loaded and saved by 64 bit versions of OWrite may require manual correction if they used Omnis colour constants instead of RGB values for text colours and highlights.

ID : 1567

Fixed in version : 3.8.9.4

Short Description: Resizing of images seems not work.

Full Description: Resizing of images seems not work.

You can try with you example, select the Example:Tables-Pictures document and evaluate it. The image in the table will not resized.

Also if you copy and paste an image and make it resizable, it does not change sizes.

This happen on windows10 32bit with oWrite 3.8.7 and 3.8.9.

Comments : In Studio 8 the way the GDIdrawPicture callback works has changed with some cross-platform inconsistencies. On windows systems with non-retina displays, some OWrite images appear to be drawn too big in Studio 8.0.3 or later. We have reported this issue to Omnis Software.

In the meantime, we have changed the way we use GDIdrawPicture to work-around this difference so that images draw consistently on the various platforms and Studio versions. This may have to change again once Omnis Software have decided what they will do about these issues.

ID : 1568

Fixed in version : 3.8.9.4

Short Description: import from file inserts corrupted image

Full Description: On osx, owrite 3.8.7 crash Omnis, 3.8.9 work fine, but using import from file I get an image like the one enclosed

Comments : There is a problem with low level PIXMAP creation in Omnis Studio 8 on Mac systems with retina display, which we have reported to Omnis Software Support.

Fundamentally, the problem is that PIXMAPs are created at twice the requested size if retina displays are present, which causes issues when PIXMAPs are used to convert image data to Studio picture formats. To work around this, we detect the presence of retina displays and ask for PIXMAPs of half the width and height of the JPEG or PNG image, rounding fractions up. However that means that if images have an original odd width or height, the resulting image may gain an extra white pixel line to the right and/or bottom of the image. Hopefully it will not be noticeable.

This is not an issue on systems without a retina display.

ID : 1570

Fixed in version : 3.8.9.4

Short Description: Problem with sentences underlined

Full Description: As mentionned in our last email, we have a problem when we create a PDF file from a RTF File. We manage RTF files from a specific software to generate SDS, Safety Data Sheet. After reading these sheets, we generate a PDF file and users can see them via a web application. We have joined a library and a binary file. This binary file is like a RTF managed by our specific software. You have a button to read the binary file and a button to generate the PDF file. When you see this PDF File you can see some underlined sentences but each space is in fact not underlined, this is our problem on Windows We have noticed this : on MacOS this problem happens in RTF file but not in PDF file.

Comments : It appears that in your French system many of your fonts return the french names for Bold and Italic

(Gras and Italique) which is causing OWrite and PDFDevice some confusion when attempting to map fonts. I am uncertain as to whether this is something unique to your fonts or your system. We were unable to reproduce this issue on our French windows 10 version, but it is an English system with the French language kit installed, so that could have made a difference.

Both OWrite and PDFDevice, unlike Omnis, use the true-type specific family, typeface and postscript names as provided by the system to manage true-type font mapping. This provides overall better compatibility with other document formats such as PDF and RTF. Unfortunately, OWrite and PDFDevice have to communicate (for printing and on-screen rendering purposes) with Omnis Studio which handles fonts differently. Consequently, OWrite and PDFDevice share code that builds a font mapping table to map fonts between our components and the various formats they handle and Omnis font naming conventions. This requires us to correctly identify which typefaces are bold or italic which was assumed to always be provided in English by the low-level system functions. Thus, the French typeface names broke this font mapping for these fonts.

We have now identified a reliable way for determining when a typeface is bold and/or italic which we are hoping will resolve these issues.

ID : 1574

Fixed in version : 3.8.9.5

Short Description: Crash when loading document

Full Description: Omnis.exe crash when loading documents.
Please choose differents documents from opening window.

Comments : The document causing the crash was found to be corrupt. It appears that one of the table rows contained a calculated field as an immediate child object that somehow was inserted between two cell objects.

We have altered the document loading code so invalid child objects will be removed during loading. When this occurs a line is added to the OWrite \$docwarnings list which can be inspected.

Bug Fixes

ID : 1421**Fixed in version :** 3.8.7**Short Description:** Heap corruption when calling \$getfontlist (was Memory leak in oWrite)

Full Description: Sorry man but I got a hard one for you again. This one is very hard to put our finger on but I've had a few times now that Omnis crashes out with a memory error while I've been messing about in oWrite for awhile.

We had another client encounter this issue on 2 out of a handful of machines but these guys were very willing for us to spend some time on their machines and helping resolve the issue.

We could create the same situation Mark managed to work out previously in that creating a new user profile on a machine with the issue would clear the issue.

A couple of things stood out for the users experiencing the crash:

- they had LOTS of user fonts, I mean thousands
- they had LOTS of different types of font, truetype, suitcase, bmap, bunch of others I've not seen
- they had a number of duplicate fonts

We were able to resolve the issue by trashing all the user fonts and reinstalling them through font book.

Obviously this would have resolved duplicate fonts and may have filtered out some of the fonts with strange formats so it's hard to pinpoint the exact cause.

But maybe it will be one more piece of the puzzle to find out why the crash is happening.

Comments : Although this problem was originally reported to exist in 3.8.0, later testing involved only 3.8.5 and we believe in conjunction to changes we made in regards to the \$getfontlist, an additional factor may have been a change that was made in version 3.8.5 that has the potential to cause memory conditions that may result in heap signal errors, causing Omnis Studio to quit, which is related to case 1515.

Enhancements

ID : 1520

Implemented in version : 3.8.6

Short Description: New border-less printing option

Full Description: We have added a new option when calling `$::print` to print a document border-less. This was originally introduced to work around an issue in Studio 8 printing on Macintosh but may be useful generally. For example when specifying this option when printing to `PDFDevice`, document content can occupy the entirety of the paper without any content being clipped.

Syntax:

`Do OWrite.$::print(cDocumentName,bShowJobsetup,bKeepJobOpen,bBorderless)`

Example use:

`Do OWrite.$::print('Document Name',kTrue,kFalse,kTrue)`

Comments :

Bug Fixes

ID : 1346**Fixed in version :** 3.8.1**Short Description:** Table headers problem when printing via report

Full Description: I get a multi-pages document with a table spanned across pages and try to print it. When I use the direct print method, all goes well, but if I print via report the table headers are not placed correctly.
Steps to reproduce :

- I start from your document example program.
- I modify the rOWrite report by removing header and footer and setting the oWrite report object 'headfootenabled' and 'ignorepos' to ktrue.
- I import the document template_49.owr (Please find it attached).
- I print direct the document : all is Ok
- I print the doc via the report : the headers are misplaced.

thank you for advice if I missed something or correction if not.

Comments : This was broken in 3.8.0 by changes made for case 1373. It has now been resolved and case 1373 "Problem with long text in table" does not appear to have been adversely effected.

ID : 1386**Fixed in version :** 3.8.5**Short Description:** first Indent lost during savedata

Full Description: In the test library attached, I have setup a "set paragraph" button.
You can see it sets leftindent and firstindent, then inserts some text.
Afterwards the overall content is saved and loaded.

If we stop the execution before loadData, the firstIndent and leftIndent are both what has been set.
Once loaded, the firstIndent is back to 0 and text flow is not Ok.

Problem occurs with oWrite 6-64 bit version. It is Ok in 4.3, non unicode version.

Comments : Please make sure case ID 1386 has been taken into account in this release and don't show up in non-unicode

I tell you that because I encountered it also in non-unicode release 3.8.1 as a difference between

- saving a field content via \$scurobjresult (Ok : it keeps the first line indent but not the user modification in the calculated field)

- Do iRefEdit.\$setselection(kWriSelectStart,kWriSelectEnd,myIdent)
Do iRefEdit.\$savedata(fieldValue,kWriFmtRTF,kTrue,kWriSaveSelection,kTrue) (deletes the first line indent of next paragraph)

I have found a work around for this by loading fieldValue in another oWrite, placing cursor at the end of it and setting back the first line indent, but it would be nice to have this fixed in 3.8.5

ID : 1393

Fixed in version : 3.8.1

Short Description: Rtf saved does not hold last colour change

Full Description: I build a some text ending with a red color. I set the color back to black, add a carriage return and save the text as RTF.
When I insert the Rtf obtained, the plain text I insert after has the red color it should not have.
I attach an example library; just load the RtfColorPb window to experience the problem.

Comments : This was caused by OWrite failing to apply style settings belonging to the insertion point being applied to the first position of the new paragraph after inserting a CR character. Instead OWrite was copying across the style settings of the final character from the previous paragraph. This was generally not a problem if one continued to insert text as the style settings belonging to the insertion point would then overwrite these settings.

ID : 1398

Fixed in version : 3.8.1

Short Description: Paste URL Links from Word

Full Description: If you paste a URL Link along with other text from a Word Document all the text that comes after the URL will be underlined and the blue color of the link.

Test

<http://www.clientrax.com>

Test After

In the above example, "Test After" is pasted into oWrite and will be blue and underlined. Using MS Word 2013 as the source of the copied text block.

Comments : We have received your support request. Unfortunately all our technical persons are engaged with preparations for the upcoming EurOmnis conference and we are unable to investigate this issue until after the conference. We appreciate your understanding in this matter.

ID : 1400

Fixed in version : 3.8.1

Short Description: In a first paragraph line, tabs left of first indent are not functional

Full Description: In a paragraph, let's pose \$curtabs = "L0.50 L4.50", \$leftindent = 4.50, \$firstindent = -4.50.
- One cannot grab the tab at 0.5 to move it left or right even if it is valid to have one placed there since in the first line of the paragraph text can flow from firstindent to right margin.
- In the first line, tab placed at 0.5 is not taken into account: a tab char typed at the beginning of a text moves the text to 4.5 instead of 0.5.

Comments : Traditionally, OWrite did not support tabs to the left of left paragraph indent when the paragraph has a hanging indent. However this behaviour has now been brought in line with other word-processors which do support this feature.

Consequently, existing documents that contain tab positions and tab characters to the left of the left indent will now render differently.

ID : 1401

Fixed in version : 3.8.1

Short Description: Pb with Text box evaluation after saving and loading

Full Description: In the attached sample library, I build a textbox with calculation returning some text partly bolded. Evaluation works correctly as can be seen using the Evaluation checkbox.

But when I save the document content as kWriFmtDefault to a binary variable and load it again, evaluation does no more show the bolded part of the content.

Same problem (bold disappearing) happens if I just select the Textbox and then uncheck/check evalcalcs.

It appears again if \$evalcalc is on and I set again the \$curobjcalc of the text box.

Did I forgot something during initialisation ?

Comments : This was caused by an issue related to the two different selection states a text box can be in. Firstly, a text box can be selected without entering the text box to edit its content. In this selection state style changes are applied to the text box instead of its content. Secondly, the selection can be inside the text box in which case style changes are applied to the content of the text box.

In this case, after saving and loading, the text box was in a first selection state which meant that style changes applied by RTF loaded during evaluation of the text box's calculation failed to be applied to the content. This was an oversight in the code that applies style changes and we have rectified this.

ID : 1429

Fixed in version : 3.8.4

Short Description: Unable to search headers and footers (was - modification in footer or header)

Full Description: I have a RTF file with some text like *Company*, *Phone*. I have to replace them by a calculated field (company, phone, etc..). It is not a problem, except for the text *Date*, because it is in the footer. What is the solution to replace it ? We have the same case with the header and the text *Product*.

A library + a file are attached. The library must be in the folder Documents (Platform Mac OS). Use the buttons Read RTF from file and Insert Placeholders.
Thanks in advance for your help

Comments : When using the standard search, headers or footers were not included in the search. However, headers and footers appear to be searched correctly when using the multi-selection search feature as documented in the Designing OWrite chapter.

ID : 1430

Fixed in version : 3.8.5

Short Description: Cannot Undo new Table Row

Full Description: If you create a new table row by tabbing through the last cell in the table the Undo will not remove it.

Also, is there a way to make a table a fixed size so that tabbing like above will not create a new row?

Comments : Undo will now work for rows that have been added by tabbing of the last cell when \$curobjextendable is set to kTrue.

ID : 1441

Fixed in version : 3.8.4

Short Description: Labels not showing bar code font.

Full Description: for some reason, it seems that owrite is not picking up the font for the US barcode on a label on OSX -- and it used to. When we run it though the label creator routine, the segment of code that creates the label, including font is below.

on windows, it looks like a bar code. On OSX it looks like the character representation -- like S356097S.

I've looked at the font in apple's font utility. I've made sure that everybody has access to the font in /Library/Fonts -- as well as trying it in ~/User/Library/Fonts

I've included the font for the mac as an upload --- if you have any ideas, I'd appreciate it. Aa I say, this code hasn't changed in eons -- very weird.

```
{\rtf1\mac{\fonttbl{\f0\froman Arial;\f1\froman ZipCodeBarcode.Normal;}}\pard\tqr\tx3125
Mr. Blaine Abel\par
2019 626 Cantrel Drive NE\par
Calgary AB 35609\par
\f1\fs24 S356097S\f0\par\pard
}
```

Comments : This issue was caused by a change in OWrite 3.3.5 which was addressing an issue on the windows platform in which fonts containing a 'Normal' typeface instead of a 'Regular' typeface would not render correctly. Unfortunately the change caused an issue on Macintosh. We have now removed this change for the Macintosh platform and these type of fonts should now work correctly on both platforms.

ID : 1442

Fixed in version : 3.8.4

Short Description: Crash during startup with 3.8.4 patch

Full Description: I got the patch — that you very much for fixing it.

however it seems to be crashing omnis near the end of my startup routine — I'm going to narrow down the exact line and owrite call. The crash log is below — and it indicated that thread 0 crashed with owrite at the top of the list.

I'll get back to you with more info when I get to the exact line of code that does it.

Process: Omnis [39541]
Path: /Applications/Omnis Studio 5.2.3.5.app/Contents/MacOS/Omnis
Identifier: com.RainingData.OmnisStudio
Version: 5.2.3.5, © 2014 TigerLogic (5.2.3.5)
Code Type: X86 (Native)
Parent Process: ??? [1]
Responsible: Omnis [39541]
User ID: 501

Date/Time: 2016-02-23 07:57:02.661 -0700
OS Version: Mac OS X 10.11.3 (15D21)
Report Version: 11

Anonymous UUID: 2075B956-8E68-3282-70ED-8775F5D7D856

Time Awake Since Boot: 770000 seconds

System Integrity Protection: enabled

Crashed Thread: 0 Dispatch queue: com.apple.main-thread

Exception Type: EXC_BAD_ACCESS (SIGSEGV)
Exception Codes: KERN_INVALID_ADDRESS at 0x0000000000000010
Exception Note: EXC_CORPSE_NOTIFY

VM Regions Near 0x10:

-->

__TEXT 0000000000001000-00000000007bf000 [7928K] r-x/rwx SM=COW
/Applications/Omnis Studio 5.2.3.5.app/Contents/MacOS/Omnis

Application Specific Information:

Java information:

Exception type: Bus Error (0xa) at pc=0000000011f9f5ad

Java VM: Java HotSpot(TM) Client VM (20.65-b04-468 mixed mode macosx-x86)

Current thread (0000000070801400): JavaThread "main" [_thread_in_native, id=-1562243072,
stack(00000000bf800000,00000000c0000000)]
Stack: [00000000bf800000,00000000c0000000]

Java Threads: (=> current thread)

000000007484e000 JavaThread "Thread-1" [_thread_blocked, id=-1315647488,
stack(00000000b184d000,00000000b194d000)]
0000000074840800 JavaThread "Low Memory Detector" daemon [_thread_blocked,
id=-1317761024, stack(00000000b1649000,00000000b1749000)]
0000000074006c00 JavaThread "C1 CompilerThread0" daemon [_thread_blocked, id=-1318817792,
stack(00000000b1547000,00000000b1647000)]
0000000074005c00 JavaThread "Signal Dispatcher" daemon [_thread_blocked, id=-1319874560,
stack(00000000b1445000,00000000b1545000)]
0000000071090400 JavaThread "Surrogate Locker Thread (Concurrent GC)" daemon
[_thread_blocked, id=-1320931328, stack(00000000b1343000,00000000b1443000)]
0000000074004c00 JavaThread "Finalizer" daemon [_thread_blocked, id=-1321988096,
stack(00000000b1241000,00000000b1341000)]
0000000074003c00 JavaThread "Reference Handler" daemon [_thread_blocked, id=-1323044864,
stack(00000000b113f000,00000000b123f000)]
=>0000000070801400 JavaThread "main" [_thread_in_native, id=-1562243072,
stack(00000000bf800000,00000000c0000000)]

Other Threads:

0000000071085800 VMThread [stack: 00000000b103d000,00000000b113d000] [id=-1324101632]
000000007090e800 WatcherThread [stack: 00000000b174b000,00000000b184b000]
[id=-1316704256]

VM state: not at safepoint (normal execution)

VM Mutex/Monitor currently owned by a thread: None

Heap

par new generation total 14784K, used 4499K [0000000075000000, 0000000076000000,
0000000076000000)
eden space 13184K, 34% used [0000000075000000, 0000000075464f50, 0000000075ce0000)
from space 1600K, 0% used [0000000075ce0000, 0000000075ce0000, 0000000075e70000)
to space 1600K, 0% used [0000000075e70000, 0000000075e70000, 0000000076000000)
concurrent mark-sweep generation total 49152K, used 0K [0000000076000000, 0000000079000000,
000000007b000000)
concurrent-mark-sweep perm gen total 12288K, used 3360K [000000007b000000,
000000007bc00000, 000000007f000000)

Code Cache [0000000071801000, 000000007189a000, 0000000073801000)
total_blobs=205 nmethods=84 adapters=65 free_code_cache=32957568 largest_free_block=0

Virtual Machine Arguments:

JVM Args: -Xincgc

Java Command: <unknown>

Launcher Type: generic

Physical Memory: Page Size = 4k, Total = 16384M, Free = 1780M

Thread 0 Crashed:: Dispatch queue: com.apple.main-thread

```
0  com.brainydata.component.owrite 0x11f9f5ad clData::getPage(long&) + 17
1  com.brainydata.component.owrite 0x12002ae7 clDoc::propSetPageNumber(long) + 33
2  com.brainydata.component.owrite 0x12000549 clDoc::setProperty(short, EXTfldval&, clObject*)
    + 4257
3  com.brainydata.component.owrite 0x11fff0a7 clDoc::property(HWNDstruct*, unsigned int,
    EXTCompInfo*, unsigned char) + 337
4  com.brainydata.component.owrite 0x1200186f non-virtual thunk to
    clDoc::property(HWNDstruct*, unsigned int, EXTCompInfo*, unsigned char) + 51
5  com.brainydata.component.owrite 0x11fbc743 clGdi::wndProc(HWNDstruct*, unsigned int,
    unsigned long, unsigned long, EXTCompInfo*) + 249
6  com.brainydata.component.owrite 0x11fbc8e6 clDoc::wndProc(HWNDstruct*, unsigned int,
    unsigned long, unsigned long, EXTCompInfo*) + 4178
7  com.brainydata.component.owrite 0x11fb47d7 clNVDdoc::wndProc(HWNDstruct*, unsigned int,
    unsigned long, unsigned long, EXTCompInfo*) + 175
8  com.brainydata.component.owrite 0x11fbda64 OWriteWndProc + 2739
9  com.RainingData.OmnisStudio 0x00626d19 EXTCompItem::call(HWNDstruct*, unsigned
    long, unsigned long, unsigned long, EXTCompInfo*) + 273
10 com.RainingData.OmnisStudio 0x002adafe EXTcompFldInfo::loadField(loctype&,
    loctype&, crbtype*, HWNDstruct*, unsigned long) + 660
11 com.RainingData.OmnisStudio 0x00465825 instExtObj::setInstanceInfo(superinst*, fldval&) +
    209
12 com.RainingData.OmnisStudio 0x00467412 objectinst::objectinst(objectinst*) + 400
13 com.RainingData.OmnisStudio 0x00467c59 objectinst::makeduplicate(objectinst*, short&) +
    189
14 com.RainingData.OmnisStudio 0x00110c74 fldval::makemine1() + 926
15 com.RainingData.OmnisStudio 0x0003d8f6 superinst::superinst(appinst*, superinst*) + 342
16 com.RainingData.OmnisStudio 0x0003d958 superinst::makesuperinst(superinst*) + 62
17 com.RainingData.OmnisStudio 0x0003ec11 appinst::appinst(appinst*, strxxx*) + 239
18 com.RainingData.OmnisStudio 0x0056636f tableinst::tableinst(lsttype*, appinst*) + 35
19 com.RainingData.OmnisStudio 0x0003aed2 appinst::makefrominst(lsttype*, appinst*) + 56
20 com.RainingData.OmnisStudio 0x00133846 lsttype::dup(lsttype*) + 876
21 com.RainingData.OmnisStudio 0x0013940c qlist::dup(qlist&) + 104
22 com.RainingData.OmnisStudio 0x00110afe fldval::makemine1() + 552
23 com.RainingData.OmnisStudio 0x000ec207 tqtrans::evalcalc(loctype const&, short, unsigned
    char*, long, ffitype, short, fldval&) + 1023
24 com.RainingData.OmnisStudio 0x0019d172 tqitemref::getparmval(short, valpasstype&,
    fldval&) + 512
25 com.RainingData.OmnisStudio 0x0023ec42 gEXTattrib(EXTCompItem*, long,
    EXTObjectIndex*, HWNDstruct*, unsigned long, unsigned long, superinst*, tqitemref*, short, fldval*,
    short, short, short, valpasstype&, fldval&, tag_EXTParamInfo*) + 1618
26 com.RainingData.OmnisStudio 0x004665fb instExtObj::customattrib(superinst*, tqitemref*,
    short, fldval*, short, short, short, valpasstype&, fldval&) + 475
27 com.RainingData.OmnisStudio 0x00044880 superinst::customattrib(tqitemref*, short, fldval*,
    short, short, short, valpasstype&, fldval&) + 300
28 com.RainingData.OmnisStudio 0x00045dc5 superinst::attrib(tqitemref*, short, short, short,
    valpasstype&, fldval&) + 191
```

Comments : This issue was caused by assigning \$pagenumber of a non-visual OWrite document object prior to

having initialised the object by loading at least an empty document.

Non-visual document objects are left uninitialized for performance reasons, as initialising them even with an empty document takes a little time. We thought we had made all property assignments safe, but this one was missed.

Enhancements

ID : 1399

Implemented in version : 3.8.4

Short Description: Watermark

Full Description: As mentionned in a previous email, we would like to add the following possibility : print a watermark, this watermark will be a text.
Is this improvment possible ? If OK could you send us the cost for that.
If you want, we will be able to discuss of this fonctionnality because I'll be at Euromnis and I scheduled to attend at your conference about ' Inside Omnis Notation^a '.

Comments : We have added the property \$watermarks to the OWrite window control, non-visual object and report object. This property can be assigned with the name of a list (instance or task variable) or list data directly. The list must contain the following columns:

Page: One of the new kWriWM... constants or a positive value in the range 1 to n indicating a specific page number.

Angle: The angle in degrees (0 = horizontal, 90 = vertical-up, 270 = vertical-down)

InFront: If true, the watermark text is displayed in front of the document content

Font: The name of the font (normal OWrite font mapping rules are applied)

FontStyle: The style of the font, i.e. kPlain, kBold, kItalic, kUnderline

FontSize: Size of the font in points

Text: The watermark text

TextColor: The text colour (can use rgb() function or Omnis colour constants

HorzPos: Horizontal offset from the left paper edge in cms or inches

VertPos: Vertical position from the top paper edge in cms or inches

One can query the \$watermarks property to receive a defined list with these columns in place. For example:

```
Calculate ivEdit.$watermarks as #NULL ;;clear current watermarks
```

```
Calculate myList as ivEdit.$watermarks ;;returns an empty defined list
```

```
Do myList.$add(kWriWMallPages,45,kTrue,"Arial",kPlain,24,"Brainy Data Limited",kDarkRed,1,15)
```

```
Do myList.$add(2,305,kTrue,"Arial",kItalic,24,"Brainy Data Limited",kGreen,8,5)
```

```
Calculate ivEdit.$watermarks as myList
```

There is no limit to the number of watermarks in the list.

Watermarks are not displayed in the editor and are only added to the content during printing. When using watermarks with the report object, watermarks are only displayed if \$ignorepos is set to kTrue. Watermarks are NOT saved with the document data. If watermarks belong to a specific document, they could be saved as part of the \$userdata or as a separate column in the document's record.

The following constants can be used with the Page column:

kWriWMnone: The watermark is disabled

kWriWMfirstPage: Print on first page only

kWriWMnotFirstPage: Print on all but the first page

kWriWMallPages: Print on all pages

ID : 1440

Implemented in version : 3.8.5

Short Description: Localisation

Full Description: We have a client who has a German subsidiary who runs via a Terminal Server based in the UK. The German company would like to produce their documents in the normal German form of 1.123,00 rather than the UK form of 1,123.00 We can easily use replace to convert, our numerics are actually converted to alpha using the jst function prior to merging, but we now have the problem of decimal tabs within OWrite. Is it possible to get OWrite to use the , as a decimal tab without relocating the whole server?

Comments : We have added the property \$docdecimaltabchar which can be assigned to specify a different decimal tab character, such as a comma. By default this property is set to the english standard decimal point. The decimal tab character is a property of the document and is saved with the document data. Thus the property need only be assigned when creating new documents or when converting documents that were created in prior versions.

Bug Fixes

ID : 1340**Fixed in version :** 3.7.1**Short Description:** Merge Document- problem with table header and page break

Full Description: The need is to produce a single document combining consecutively many already evaluated documents and with correct page settings .

The property kWriMergePageBreak adds to the final document a page break for each single merged document.

With this technique I can't have one merged consecutive document .

Therefore, we use the property kWriMergeNoPaginate to merge the single documents.

This property was also chosen as a matter of performance .

So, to get the desired result, we merge the single documents with the \$merge command and kWriMergeNoPaginate property. At the end of the merge procedure, we set the page properties on the merged document.

Then we edit the \$papercontinuous property on the final document, setting it first to kTrue and then to kFalse: this trick is used in order to get the merged document properly divided into several pages.

The operations described are contained in \$merge_and_save method, associated to Merge toolbar button of the following

example:ftp://temp:888@demo.888sp.com/public/BrainyD/20150415_owrite_370_merge_docs.zip

Unfortunately the result is not as expected.

Tables with headers do not behave correctly with page breaks.

In the merged document, if the table falls between two pages, the header is not properly displayed.

The most common case is that the header appears erroneously between the lines of the table and not the beginning of the table, on the new page, as it should (see result_merge_documents document - the erroneous part is highlighted in yellow and is located near the bottom of the document).

To reproduce autonomously what described here you can select the merge_documents and click on the merge button located on the toolbar.

How can we get a single document from the union of so many consecutive individual documents , with page breaks correct for tables?

Comments : In order to take advantage of the \$papercontinuous feature, the original evaluated documents must be saved with its data (parameter 3 of \$savedata must be kFalse). I have tested this concept here using multiple copies of the Invoice example. The correct steps are

- 1) load the document to be evaluated, making sure \$papercontinuous is kFalse
- 2) evaluate and save each document making sure parameter 3 is kFalse.
- 3) merge all the documents with kWriMergeNoPaginate
- 4) save the merged document making sure parameter 3 is kFalse.
- 5) load the merged document as normal and set \$papercontinuous to kTrue and to kFalse again
- 6) now you can save the final document with parameter set to kTrue to make data permanent.

You could skip the extra save and load in steps 4 and 5 if you merged the final document without kWriMergeNoPaginate so the final merge causes a complete paginate. So the steps would look like this

- 4) set \$papercontinuous to kTrue and to kFalse again
- 5) now you can save the final document with parameter set to kTrue to make data permanent.

If this does not resolve your issue you must provide me with an example that implements all the above steps 1 to 6 so I can fully investigate. It would be best if you tried to replicate any problems using multiple copies of the invoice example so that I understand what I am looking at.

ID : 1344

Fixed in version : 3.7.2

Short Description: Table text displays correctly but is offset to the left

Full Description: We have some tabular documents which worked fine on 4.3.2
Now however on some of the left hand columns the text appears to start to the left of the column margin. When you click at the end of the text the cursor will be positioned somewhere in the middle. Pressing Home will take you to the left outside the table, type a key and it will become the 1st character within the column. If you then delete this character everything now works as expected for that row, however the fault will still be on other rows within the table.

Comments : The incorrect positioning of the input cursor was caused by the use of \$curtblindent which was ignored during the initial formatting that is performed when a table is loaded. Editing the cell content would correct this temporarily.

The same effect was also observed when changing \$curtblalign to centre or right justification.

ID : 1346

Fixed in version : 3.7.1

Short Description: Table headers problem when printing via report

Full Description: I get a multi-pages document with a table spanned across pages and try to print it. When I use the direct print method, all goes well, but if I print via report the table headers are not placed correctly.
Steps to reproduce :
- I start from your document example program.
- I modify the rOWrite report by removing header and footer and setting the oWrite report object 'headfootenabled' and 'ignorepos' to ktrue.
- I import the document template_49.owr (Please find it attached).
- I print direct the document : all is Ok
- I print the doc via the report : the headers are misplaced.

thank you for advice if I missed something or correction if not.

Comments :

ID : 1355

Fixed in version : 3.7.3

Short Description: table header and page break

Full Description: I have a new problem with table header and page break.
I use oWrite 3.7.1R with Omnis 5.1, on Windows 7 or OSX 10.10.1.

If the table starts at the bottom of the first page, but the page there is not enough space, the table is moved to the next page, but its header is repeated twice.

I was able to reproduce the error with your "Table Invoice document", modifying it slightly.

ftp://temp:888@demo.888sp.com/public/BrainyD/owrite_371_table_header_page_break.zip

In the documents list there is a new document, "888 Tables Invoice". It's a copy of your "Example: Tables – Invoice", with two tables.
If you evaluate the document with your "Preview button" in the toolbar, you see that the second table starts on the second page and its header has repeated twice.

I attach also the PDF document evaluated, with the repeated header for the table.

Comments :

ID : 1361

Fixed in version : 3.7.4

Short Description: Reading RTF files

Full Description: Some months ago, we have discussed about a problem when reading RTF files. After that you have made some modifications in OWrite (version 3.6.0). Also, due to our demand, you have added a new feature in OWrite, the property \$checkoverflow, and this allowed us to write our application. But now we have to take into account the management of RTF files. These files are important for us because they contain important information about the products we produce. These files are managed by a specific software called WERCS (you have already some information about this software), and now we want to add Omnis into this management. Each RTF file is contained in a text field (type long) in a database managed by WERCS. I have attached a text file similar to the content of this database field, the file is called fds.txt. WERCS can generate a RTF from each field, I have also attached a such RTF file. Our problem is the following : when Omnis reads the text file in an OWrite field, we lose headers and footers. When we read the RTF file with Microsoft Word, we have header and footer. We can notice that : when we open the RTF file with TextEdit (OSX platform), we don't have header and footer, and the result is similar to that we obtain with Omnis. So we need your help, if it is possible, and obviously this possible work will be invoiced. Our main goal is to obtain a correct RTF, either with your help, either with some specific information allowing us to obtain a good RTF, for example by modifying the original text field. Sorry for this chatting, but it is important for us to find quickly a solution. Sure, if you want some additional information, I stay at your disposal.

Thanks in advance for your answer.

Comments : The document failed to load due to a nesting problem when importing footers that contained MS Word style fields. This was a regression that was caused by changes in 3.7.0.

ID : 1364

Fixed in version : 3.7.5

Short Description: Number of page and total count of pages

Full Description: With your help, we have been able to display pictures in our documents. The last obstacle is to print correctly the number of pages + the total of pages in the footer. In our last email we have attached an example of RTF data becoming from our specific software «WERCS». We don't know if it is easy for you to know why page number and total page are not displayed. If this is too complex to fix, the idea is to make a replace : in the footer we can replace the symbol «/» by the following string : current page number (kWriObjTypeInfoPgNum) + '/' + total page count (kWriObjTypeInfoPgCnt)

Another solution : place the cursor before the symbol «/» and insert kWriObjTypeInfoPgNum, then place the cursor after the symbol «/» and insert kWriObjTypeInfoPgCnt

In your demo library (example.lbs), I tried to select data in the footer (with the document Welcome) and that works well. But with the attached library it is not possible to make that operation, for example select the text 'print' (button «Search Print») or like mentioned above select the character «/». But it is possible to select any text in the document, for example the text «Label» (button «Search Label»). If we decide to modify the character «/», is it possible to restrict the search for the footers only (any footer) ?

What is for you the best way we have to adopt ?

Comments : This issue has been resolved and the page number and page count fields should import correctly. We will send you 3.7.5 builds today.

We also noticed that in your example you are loading RTF that is stored as 32 bit unicode and you are solving it by loading, saving and loading it a second time. A better faster solution would be to convert the UTF32 chars to UTF8 when you load it the first time. For example

```
Do IDataBin.$assign(chartoutf8(IDataText))
Do iDataRef.$loaddata(IDataBin,kWriFmtRTF,kFalse)
```

ID : 1373

Fixed in version : 3.7.6

Short Description: Problem with long text in table

Full Description: We have an oWrite document with \$papercontinuous = ktrue, and with a table that contains a very long text (about 1800 characters).

Problem:

When we sets the \$papercontinuous property to kfalse in the oWrite document, Omnis crash.

Take a look to the attached example.

The document has already been evaluated (there is a cell with a very long text (about 1800 characters)) and it has the property \$papercontinuous to ktrue .

If you set papaercontinuos to kfalse, Omnis crash. In a normal document (without long texts within the table) it work fine.

Note:

The same problem occurs with the 3.7.1 version of the oWrite component.

If I use oWrite component 3.7.0 or 3.6.4, there are no problems.

Comments : We found a number of issues that contributed to bad behaviour when switching between single page and pagenated modes as well as when evaluating tables where rows can cross more than two pages.

The problems are regressions and where introduced by changes made for cases 1330, 1340 and 1355. The issues where

1) crashes can occur during evaluation and when switching to pagenated view from the single page view when cell content does not fit on a single page and the row's splitting attribute was disabled. This was resolved by forcibly splitting rows if they would not fit on a single page anyhow.

2) a similar crash would occur when a row did not fit on a page in conjunction with the table's master headers. This was resolved by allowing the row to wrap to the next page without wrapping the master headers.

3) cells where not merged correctly when switching to single page view and the cell spanned three or more pages.

As changes were made in relation to the above mentioned cases, these should be retested before releasing the new version to end users. We have tested these cases as best as we could based on the original information that was provided to us.

ID : 1375

Fixed in version : 3.7.7

Short Description: Fatal error when evaluating a "NoEnter" cell

Full Description: In your document example, I added a checkBox "Locked" in wFormatTable cell pane. In load and save methods I set the cell \$curObjNoEnter property depending on the checkbox state. (The library is attached)

- Select Example Table - Invoice.
- open table properties and Check "Locked" for the "Customer Details cell (this sets \$curobjNoEnter to ktrue for this cell). click "Apply"
- Click the preview to evaluate

-> Back to Windows

Comments :

ID : 1376

Fixed in version : 3.7.7

Short Description: Problem evaluating a list after creating a table by procedure

Full Description: we have found a problem when evaluating a list after creating a table by procedure.

It's not related to the new version (3.7.6) and we have also found a work-around so it's not so urgent but may be useful to fix or understand what's the problem.

It's also difficult to understand and explain what's related to but we are able to reproduce it.

If you look to the attachment you can find your example library, with the method used to reproduce the issue, and a DF with and overwrite example document.

Follow these steps:

1. Select the '888_TextIndex' document
2. Select the 'Create index' button into the toolbar
3. Select the 'Example: Tables - Invoice'
4. Select the 'Preview' button into the toolbar. Omnis crash or does not build the table 'fClients'.

The work-around we have found is to save the doc without variables. In this manner the same procedure work fine.

Comments : It appears that inserting rows into an evaluated document would cause a route through that code that was exhausting the array of temp vars that are used to deal with evaluating lists. Once exhausted, OWrite fails to evaluate lists which only a restart of Omnis would resolve.

ID : 1377

Fixed in version : 3.8.0

Short Description: Right align faulty on small fields

Full Description: I'm (ab)using overwrite to format some fields and as a result am creating oWrite documents that have a small custom paper size.

The problem I'm having is that when the paperwidth becomes smaller then (roughly) 2.50 cm right align starts failing. It is as if the minimum right position is set to 2.50cm as it keeps right aligning on that position even though the paperwidth is smaller.

Same width center align, it seems that if the width is smaller than 2.50cm it still centers the text as if the width is 2.50cm.

Any idea if there is a way to allow it to work for these small fields.

Comments : A minimum paper size of 1 inch is enforced by Omnis and consequently OWrite was adhering to this minimum in various situation. This resulted in word wrapping to wrap at a paper width of 1 inch instead of the field's width when the field view is used. We have now made sure that for custom paper sizes, OWrite only enforces a minimum paper size of 1 centimetre plus margins. This will work as long as the document is not printed directly using the \$print() method and any OWrite report objects do not have \$ignorepos set to kTrue. In other words, the only way to guarantee that document data is printed wrapped at less than 1 inch is if the OWrite report object is used with \$ignorepos set to kFalse.

ID : 1381

Fixed in version : 3.7.8

Short Description: oWrite contents disappear, even in your demo application

Full Description: in your demo application, click on one of the items in the list to populate the oWrite object.

Then, click on the oWrite object, and all the contents disappear.

ospell2_323r_win also installed
as is
pdfdevice_321r_win
not the web version.

Dev version this is.

After a few attempts at trying this, Omnis itself either freezes or quits unexpectedly.

I also had issues importing an RTF file...
Nothing imported.

Possibly an old version of RTF, so loaded into word, saved as docx, then opened that and saved into RTF...

Seemed better at loading the document, except the pictures are no longer there...

This worked in the demo I was doing with owrite_350r_win ospell2_3_2_2r_win... with the old RTF and pictures came through.

Test RTF attached.

All just makes me a bit wary, is there something flaky here?

Just to confirm, I used the versions within the studio600 folder.

Comments : The crash was caused by a change we made in a prior version to increase support of MS Word fields during import which has now been rectified. Furthermore, our existing exception handling did not trap the resulting memory issues and consequently we further improved OWrite's memory handling in the effected areas so that the exception handling can trap similar errors in the future.

Enhancements

ID : 1369

Implemented in version : 3.7.7

Short Description: Line feed in field calculation

Full Description: I must put a new question about inserting kLf chars in oWrite because the final problem is :
How to handle a field calculation to return text with line feed so the text flows correctly in the final document ?

I put a 'title' as a field, then tab and the 'explanation' field both on one paragraph.
As the 'explanation' may list some items, it is divided with line feeds. The paragraph is set with a leftindent = Tab pos and firstindent=-leftindent. This way the title goes left and the explanation should always be on the right of the tab.

But in the calculation result, the kLF is treated the same as kCR, so the paragraph ends and the 2nd line goes left...

Comments : We have added the property \$evalkeeplf. When true, both CR and LF characters are imported during evaluation with the meaning that CR characters denote a paragraph break and LF characters denote a new line within a paragraph (soft-return). As a consequence, calculations that return plain text for insertion may not include CR-LF character combinations to denote end of paragraphs. Single CR characters must be used instead, regardless of the platform.

ID : 1384

Implemented in version : 3.8.0

Short Description: Preventing scrolling

Full Description: While the field has no scroll bars, using the mouse wheel on my mouse I'm still able to scroll the text in the field. Is there a way to disable that as well?

Comments : We have added the new property \$nouserscroll. If set to kTrue, it will disable all scrolling initiated by the keyboard or the mouse. However, it will still be possible to scroll the content by assigning the notation \$hscroll and \$vscroll.

Bug Fixes

ID : 820**Fixed in version :** 3.7.0**Short Description:** Problem with Shift-Enter in a Document

Full Description: There is a problem that when I'm at the end of a document (last line of a document) and then push the Shift and Enter keys that the cursor is jumping to the right a little bit. When I start writing then it jumps to the next line. That only happens at the end of a document. If you push the Shift and Enter keys somewhere else in the document it works like it should.

Comments :**ID :** 1298**Fixed in version :** 3.7.0**Short Description:** Issue with bold/non-bold in HTML output

Full Description: This is an irritating little bugger. When you have text on a line that starts bold but then changes to non-bold later on in the same line, the output of the HTML is wrong. The text is made bold as part of the style but then made unbold with `` which is not supported in this situation. `` only works if the text was originally made bold with a `` tag.

Ergo the output is like this:

```
<p class="Normal"
```

```
style="margin-bottom:0;padding-bottom:10pt;font-size:11pt;font-style:italic;font-weight:bold;color:#000000;">
```

```
B</I></B>old and italic
```

```
</p>
```

And that doesn't render properly.

Comments : We are now using the html `` tag to apply style-run changes in a paragraph. This should overcome the problem when a paragraph starts bold (applied to entire paragraph) and the style run attempts to turn off bold.

ID : 1308**Fixed in version :** 3.7.0**Short Description:** HTML Link in Word/Outlook will not paste to oWrite

Full Description: Original Text is in Word or Outlook.

If you try to copy a block of text that contains a HTML link such as a Web Address OWrite will copy all the text accept the link leaving a blank space where the link was.

It also affects the text after the link. For instance;
Ariel 12 text that came after the link comes over as
Ariel 9. The link was Ariel 10

However, if you only copy the same text after the link it comes over fine.

Comments : The missing link text has been resolved, but we were never able to reproduce the font size issue. The provided RTF content now imports correctly.

ID : 1315

Fixed in version : 3.7.0

Short Description: strange behaviour of 1st calculated field when clicked

Full Description: I built a document with many calculated fields.

All seems ok but when I click in the very first one its display changes. All is ok with other fields.

I copied the full text and pasted it in your document examples.

I get the same behavior.

Please find attached the file exported to Test.owr from your examples.

This is not big issue, but it is a bit disturbing.

It would be nice it could be fixed.

Comments : When selecting a calculated field that was the last content on a line terminated by a soft-return, only the first part of the field would display (the part equal to the width of OWrite default white-space).

ID : 1316

Fixed in version : 3.7.0

Short Description: numbered list badly shown if \$curhighlight not kcolordefault

Full Description: here is the path to reproduce the problem :

- run the OWrite document example
- display the welcome document
- clic in the numbered list displayed in the 1st page
- in the formatting palette, clic the Highlight color picker
- choose a white or pastel color.
- the numbers in the list are partially masqued showing badly.
- revert to kColorDefault and all goes Ok again.

Comments :

ID : 1320

Fixed in version : 3.7.0

Short Description: Invalid export to RTF

Full Description: I built a document with OWrite and evaluate the fields.

I save (using \$savedata(IDocData,kWriFmtRTF,kTrue), where IDocData is a binary variable) and write the variable to a RTF file.

Office Word says the RTF document is not valid...

Running your OWrite example, I tested with "Welcome" and all is OK.

So I copied the contents of my document and pasted it into a new document in your example.

But again the RTF file is not a valid file.

Looking at the file content, it appears { are not all matched with } particularly "{\chcbpat2" (which I do not know about).

I attach the owr and rtf exports of the document so that you can reproduce the problem and fix it.

Comments : The problem occurred when a colour was applied to \$curhighlight for an entire paragraph.

ID : 1323

Fixed in version : 3.7.0

Short Description: Difference in font mapping between 3.6.0 and 3.6.4

Full Description: In the attached Word-document you can see a screenshot of an OWrite document with OWrite 3.6.0.
It also shows that the font used is '@Arial Unicode MS'.

The second screenshot shows the same document but with OWrite 3.6.4. You can see that the font has changed to 'Agency FB'.

Replacing the OWrite xcomp again with version 3.6.0 gives the first screenshot again.

I am guessing this happens because a font is used that is not available on the computer and OWrite then uses a similar font. (Is that what the '@' in the fontname '@Arial Unicode MS' means ?)
This works fine in version 3.6.0 but produces a completely different result in version 3.6.4.

My users have created thousands of documents and invoices that are now printed completely different.
What can I do to have the same results in 3.6.4 as in 3.6.0 ?

Comments : The @ at the beginning of font names indicates to applications that this font is for internal character mapping and should not be presented to the user. In version prior to 3.6.4, this font was not stripped from the font list returned by OWrite. This was corrected within the core font handling library that is shared by all our components. Unfortunately, in OWrite 3.6.4 it had become an unknown front so OWrite attempted to map it to something else.

We have resolved this by including invisible fonts within our internal font mapping lists, but exclude invisible fonts from the list returned by the OWrite font list function which are used to display to the end user.

ID : 1326

Fixed in version : 3.6.6

Short Description: \$curtblrowevalcansplit doesn't work

Full Description: the property method \$curtblrowevalcansplit doesn't work in owrite version 3.3.0, 3.6.0 and 3.6.4 (fat client and web client).
Attached you can find a library example:
select the document "Owrite - split cell" and evaluate the document. As you can see the table isn't split across pages.

Comments :

ID : 1327

Fixed in version : 3.6.6

Short Description: Problem with export RTF

Full Description: When I export a document into RTF the document produced are corrupted.
Attached you can find the owr that produce the error.
You can import the owr into your library example and export into rtf.
If you open the rtf with Ms Word you can see that the document are corrupted.

Comments : This issue was caused by strange highlights, some of them nested. They are not visible in the document because the highlight colour appears to be set to white (the default background paper colour). The specific highlights that cause the problem are highlights that have been applied to an entire paragraph. This caused OWrite to close paragraphs with the incorrect number of closing braces resulting in other word processors displaying invalid RTF errors.

ID : 1329

Fixed in version : 3.7.0

Short Description: \$curtblrowevalcansplit error

Full Description: I've another problem with curtblrowevalcansplit. Attached you can find a library example. In the library there is 3 document to evaluate:
"owrite_split_cell": : the split work ok
"Split2": on the fat client the split is incorrect. The error is on page 2(the cell is split but on the wrong page). On the web client the split is wrong (header and content)(click preview to see).
"Split3": on the fat client is ok but if you evaluate the document and then you click on preview button another time, omnis crashes. On the web client the document is wrong(click preview to see), the split is incorrect.

Comments :

ID : 1330

Fixed in version : 3.6.7

Short Description: \$curtblrowevalcansplit error

Full Description: I've another problem with curtblrowevalcansplit. Attached you can find a library example. In the library there is 3 document to evaluate:
"owrite_split_cell": : the split work ok
"Split2": on the fat client the split is incorrect. The error is on page 2(the cell is split but on the wrong page). On the web client the split is wrong (header and content)(click preview to see).
"Split3": on the fat client is ok but if you evaluate the document and then you click on preview button another time, omnis crashes. On the web client the document is wrong(click preview to see), the split is incorrect.

Comments : After further investigation I was able to find a simple way of fixing document "split 6" so it will no longer crash during use or when evaluating, but this fix does not remove the detached embedded result data, i.e. the "asdfasdfasd" sample data that is left behind.

This fix also does not address the issue how the document ended up in this state. The problem appears to be that for the corrupted calculated fields in question, the document contains a correct place holder for the object as is used in a template document prior to evaluation, but the document also contains a zero length result place holder as if the document was in an evaluated state. Normally, the document would only contain one or the other (depending on the value of \$evalcals), not both. Furthermore, the crash is in fact caused by the result place holder being of zero-length which placed the object in a unstable state. This may require further investigation if you can work out how the document ended up in this state. This should be reported as a separate issue.

Enhancements

ID : 1317

Implemented in version : 3.6.5

Short Description: Limit input to size of box

Full Description: We are asking for a new improvement to be able to stop entering data in a field to avoid data becoming hidden, because in general we don't use vertical scroll.

Comments : New property \$checkoverflow:
If kTrue, OWrite prevents users from adding more content than can be displayed in the field by executing an undo when content was caused to overflow the fields boundary.

New event evOverflow:
This event is generated when the user caused an overflow to occur and \$checkoverflow is set to kTrue.
The Event Parameter pOverflowType specifies one of the kWriOverflow... constants, indicating what caused the overflow to occur.

New constants kWriOverflow...:
kWriOverflowChar (1) Overflow was caused by user typing.
kWriOverflowPaste (2) Overflow was caused by the user pasting content.
kWriOverflowInsert (3) Overflow was caused by a programmed call to \$::insert.
kWriOverflowLoad (4) Overflow was caused by a call to \$loaddata.
kWriOverflowReplace (5) Overflow was caused by a spell-checker replace action.

Bug Fixes

ID : 1300**Fixed in version :** 3.6.1**Short Description:** Titillium Web font issues on Windows**Full Description:** Hate to bother you with another font issue. Attached is a font called Titillium Web.

This font works beautifully on Mac and didn't give us any problems on Windows until I change our app to not use the font list returned by Omnis, but the font list returned by oWrite.

It finds Titilium Web just fine but only on the Mac all the typefaces are there. On Windows only the Light typeface is there.

I have no problems reproducing this with the oWrite sample library, just select the Titillium Web font from the dropdown and you'll see there is only one typeface.

Any ideas why? Is the font wrong? Is oWrite skipping something?

Comments : On the Windows platform, as far as we can tell, the Omnis notation `FontOps.$winlistfonts()` returns a list of fonts that does not support any of the typefaces provided by "Titillium Web" other than bold or italic. Omnis Studio 6.0.2 appears to build a list of fonts based on the font family name which does not encode the typefaces thus there is no mechanism for picking some of the more fancy typefaces.

OWrite has always attempted to emulate what we call the Omnis internal font names as we believed we must pass the correct font names to Omnis via the Omnis callback functions, thus OWrite was limited in the way it arrives at the font names.

However, after careful investigation we can confirm that it is possible for OWrite to handle all typefaces provided by this font if we use the TrueType-face-name with the Omnis callback functions as Omnis appears to pass through the TT-face-names to the Windows operating system unaltered and the system appears to recognize these names and selects the correct font. We therefore have changed OWrite to use the TT-face-name on the windows platform. Existing documents should not be affected by this change. Thus what we call the Omnis-font-name has become the TT-face-name on the windows platform.

Unfortunately, this highlighted another cross-platform complication. To explain let's use "Titillium Web Black" as an example.

On Macintosh the Omnis-font-name is similar to the TT-face-name. Both the TT-face-name and the Omnis-font-name on the Macintosh combine the family name with the style name to create a unique font name. However, on the Macintosh Omnis appends the style name with a dot but a TT font appends the style name without any separator so "Titillium Web Black" becomes on Macintosh "Titillium Web.Black" and on Windows "Titillium WebBlack"

We cannot alter what font name we use on the Macintosh as Omnis does not simply pass the fontname through to the system and it is the Omnis font name that OWrite stores in document data which we are reluctant to change at this stage.

We thus have changed OWrite's font matching algorithm to simply ignore the dot in font names so that all fonts and their type faces can be matched more accurately across the two platforms.

Summary:

- OWrite now stores and maps TT-face-names in OWrite documents. Existing documents should continue to work.
- OWrite now ignores '.' separators when mapping font names.

ID : 1301

Fixed in version : 3.6.2

Short Description: Crash when inserting RTF (Regression)

Full Description: We just started getting consistent crashing on Windows. I've yet to fully investigate why but it seems to be when inserting RTF into a document using \$insert.

It works fine in oWrite 3.5.0 and it works fine on Mac, it purely goes wrong on Windows.

It is entirely possible this is related to fonts as we are displaying a couple of documents that are authored on a Mac and then displayed on Windows at startup.

I'll try and see if I can isolate it and send you a sample library. For now we'll keep using 3.5.0 on Windows.

Comments : This crash was related to a document style that had a paragraph list set, i.e. a bullet, numbered or alpha list. The RTF import was deleting an invalid pointer when a paragraph list style was imported as part of a document style. This was not causing an immediate crash, but we had to open and close the sample window between 10 and 20 times before the corrupted heap would cause an exception somewhere in Omnis.

ID : 1304

Fixed in version : 3.6.3

Short Description: oWrite doesn't see styles used in tables

Full Description: We're looking into another weird issue there which is likely our own fault, but this one is easy to reproduce in your sample tools.

Create a blank oWrite document, add a table, put some text in, and set a style on that text.

Then go to the style gallery and remove unused styles.

It will not see that the style used in the table is used and will remove the style (and then crash).

Comments :

ID : 1305

Fixed in version : 3.6.4

Short Description: oWrite crashes when inserting RTF using \$::insert

Full Description: If you have a header and footer in an RTF document that you try to insert into another document with \$::insert it either simply fails to insert the text or crashes (the crash log mentions something about styles being evaluated in the RTF). This seems to be happening since 360, the header/footer was being ignored in 350 (which is correct in this case I feel).

You can use \$headfootenablen and set it to false and the header/footer will not be included in the RTF but this seems to only work when you do so on the visual component, not on the non-visual component.

For now I filter out the header and footer manually in the resulting RTF before inserting it and that works just fine.

Comments : As was correctly surmised in the report, version 3.6.0 added support for importing headers and footers contained within RTF documents. Unfortunately, OWrite version 3.6.x also attempts to parse headers and footers when parsing RTF during a \$::insert, paste or document evaluation when inserting RTF via a calculated field. This caused problems due to the invalid scope.

The work-around is to turn off header and footer support during these operations by assigning kFalse to \$headfootenabed. As far as we can tell this works with both, visual and non-visual components. We cannot confirm that this work-around does not work with non-visual components as the report suggests.

Version 3.6.4 ensures that headers and footers are only parsed when importing entire documents during a call to \$loaddata().

ID : 1307

Fixed in version : 3.6.4

Short Description: Using custom notation with \$dataname fails

Full Description: When using custom notation such as MyObj.\$owritedata it does not work with \$dataname unless \$datanametype expects plain text.

Comments :

Bug Fixes

ID : 1249**Fixed in version :** 3.6.0**Short Description:** Issue with indentation and RTF (during evaluation, copy & paste, import)**Full Description:** When we have an oWrite field with a numbered list and we print that using an Omnis oWrite field the indentation gets all screwy.

My best guess looking at the out put is that you're adding instead of subtracting the indentation after the list as the next line seems to be double indented.

See screen-shots in the attached zip file

Comments : The problem was caused by the paragraph into which the RTF was inserted having a non-zero indent. There was an issue when importing RTF, that a previous paragraph's indent could effect the next paragraph's indent if the next paragraph's indent did not override the indent in the paragraph's document style (in this case the 'Normal' style). It resulted in the next paragraph taking on the previous paragraph's indent. This issue may have effected all paragraph attributes, i.e. "space before", justification, etc.

ID : 1284**Fixed in version :** 3.5.5**Short Description:** Calculated picture not clearing**Full Description:** When setting \$evalcalcs to kFalse and a calculated picture displays a raw PNG or JPEG image, the field continues to display the picture returned by the calculation.

Comments : OWrite failed to clear the raw image cache of the prior picture.

ID : 1285**Fixed in version :** 3.5.5**Short Description:** Bullet points issue in HTML**Full Description:** We've recently started using styles to format our bullet points and numbered lists to ensure a consistent look and feel over all our documents.

When exporting as HTML the bullet points are drawn over the text. I've attached such an HTML document.

I'm guessing it is the paragraph indentation settings that are causing the issue?

Comments : OWrite will now attempt to compensate for the different indent requirements between HTML and RTF concerning paragraph lists such as bullet or numbered lists. HTML requires that no indentation is specified in the CSS section or the list tag concerning bullets which is different to the requirements of RTF and word processors in general. OWrite now compensates by subtracting the default paragraph list indentation from the style's or paragraph's indents.

When a paragraph list style is applied, OWrite calculates the initial (default) left indent as follows:

$1.5 \text{ cm} * \text{font size} / 12$ (snapped at 0.25cm)

The hanging indent or first line indent is calculated by negating half that value.

As long as the default indentation is not altered when a paragraph list is applied, it should result in a

correctly formatted document when exported to HTML. Deviation from the above may result in unpredictable indentation when exporting to HTML.

Additional note: Roman numerals are now right justified at the first line indent, which is more in line with other word processors and markup languages.

ID : 1288

Fixed in version : 3.5.5

Short Description: Issue with styles and bullet points

Full Description: Now that we're using styles to do bullet points (which is a great feature btw) we ran into one little snag.
When you select the style you get a bullet point (hurray), you type in some text, hit enter, there is the next bullet point, type text, enter, one more bullet point, etc.

When I reach my last bullet point and hit enter I get one bullet point too many. I press backspace, and I'm done.

Kind of. The style on that line is still my bullet point style and when I then print this document, I get a bonus bullet point.
The "workaround" is simple, instead of removing the last bullet point just change the style back to normal. This is what Word incidentally does as well, when you remove the bullet point it changes the style from "list paragraph" back to "normal"

P.S. I don't know (yet) if the bullet point is reintroduced purely during printing or if this only happens when the data is converted to RTF.

Comments : We have changed OWrite so that the current style is changed to the default (first) document style (typically "Normal") when using the backspace to remove the list style from a paragraph and the list style is an attribute of the paragraph's document style. However, if a document was imported via RTF and the first imported style is not the desired style for clearing the list style, the only option is to override the handling of the backspace key in the \$event method.

ID : 1295

Fixed in version : 3.5.1

Short Description: Crash when merging large number of documents

Full Description: I have some binary documents to be merged into a single final document, but when merging documents Omnis closes unexpectedly.

In the attached example library, you can find exactly what I've described.
In the toolbar there is a button "Merge&Save" that invokes the method \$merge_and_save on oWrite field. As you can see, the 67° \$mergedocs unexpectedly quits the program.

Comments : The crash occurred when the documents to be merged contained a sufficient number of bookmarks so that the total size of all bookmark names exceeded 1024 characters.

ID : 1296

Fixed in version : 3.6.0

Short Description: Error Exporting RTF

Full Description: I've a problem with the owrite attached:
when I export the file to rtf the browser crashes.
This document is written with the owrite editor and some parts are copied from Microsoft Word and Excel.

I find that there is a invisible character before the text "Art 7...." that produce a crash.

If I try to export to PDF device the operation completed succesfully, only to rtf is the problem

I try with OS 5.2.x and 6.0.x

Comments : The crash was caused by a corrupted table (table rows without any cells). We do not know how the corruption occurred and, although we have fixed the crash when exporting the corruption to RTF, we recommend that the bad document line is deleted.

Enhancements

ID : 1286

Implemented in version : 3.5.5

Short Description: Space for empty calculated fields

Full Description: When you have a calculated field which returns nothing a space is still visible. This makes it really hard to have multiple optional fields after each other, as it looks awful with multiple spaces. You mentioned this space is required in order to be able to maintain the field. Could you replace the space character with a zero with space? Than at least it doesn't mess up formatting

<http://www.fileformat.info/info/unicode/char/200B/index.htm>

Comments : This enhancement was added to the unicode version of OWrite only.

ID : 1287

Implemented in version : 3.6.0

Short Description: load rtf file

Full Description: My problem is the following :
I have a RTF file. When I open it with MSWord or OpenOffice the result is OK but it is not the case with a

```
Do theFile.$openfile(theFileName,kTrue)
Do theFile.$readfile(data)
Do ivEdit.$loaddata(data,kWriFmtRTF,kFalse)
```

Some parts are missing

Thanks in advance for your help.
If you need I have the raw data for this file.

Comments : We have resolved a number of issues related to the import of RTF in regards to table fields, which has made a big difference to the import of the sample document which was exhibiting difficulties.

As part of this enhancement, we have also implemented the import of headers & footers via RTF, something that was missing until now. However, the sample document contained tables inside the documents headers and footers, a feature that is currently not supported by OWrite. We therefore added additional logic that converts tables in headers or footers to appropriate tab positions.

Overall, OWrite can now re-create the example document fairly well, although some minor differences may remain.

Important notes:

- Due to the substantial changes made to the RTF import, we recommend that all importing as well as pasting document data from the clipboard is tested thoroughly.
- OWrite does not support all RTF and some documents may require additional formatting after an import.

Bug Fixes

ID : 1237**Fixed in version :** 3.5.0**Short Description:** owrite export to html replacing '&' with '&'**Full Description:** I think this is a change to behaviour as things that work are now not. My call to get the html out of owrite is

Do

```
iOWrite.$savedata(binary,kWriFmtHTML,kTrue,kWriHtmlNoMargins,kTrue,kWriHtmlSizeAdjust,kFalse,kWriHtmlRawSupport,kTrue,kWriHtmlNoAutoSize,kTrue,kWriHtmlBgColor,iOWrite.$papercolor)
```

all the '&' in the exported 'html' seems to be replaced by &amp;

for example, the .Header_&_Footer style is .Header_&amp;_Footer and that may or may not affect the page rendering... I don't know

```
.Header_&amp;_Footer\t{text-align:left;margin-top:0;padding-top:0pt;margin-bottom:0;padding-bottom:0pt;font-family:Times New
```

```
Roman;font-size:10pt;font-style:normal;font-weight:normal;text-decoration:none;vertical-align:top;vertical-align:top;color:#000000;text-decoration:none;}\r\n\t.Header_&amp;_Footer_table
```

the more important part is my rendering of pictures. I am creating a URL that is:
https://127.0.0.1/TheatreManager/1/picture?id=2&pmb_seq=217&tick=2278715

and it is coming out of the owrite exporter with the the '&' replaced by '&amp;' as follows:

```
the text</a>`.

**Comments :**



## Enhancements

**ID :** 1272

**Implemented in version :** 3.3.5

**Short Description:** \$saveData command

**Full Description:** When we merge oWrite documents, with Omnis 5.1 on Windows, we usually get documents of 100 MB.

The \$saveData command, crashes the program with the "insufficient memory" message (see the attached png) when the function is called with the kWriFmtDefault and kfalse as second and third parameter.

If the function is called with the kWriFmtDefault and ktrue parameters, the document loading is correct (albeit with very high and unacceptable waiting times).

**Comments :** In response to this report we have made a small change to the loading of data which can substantially increase performance during a \$loaddata call and we have redesigned our document merge function in order to optimize the merging process and to rectify some anomalies such as unnecessary style creation and memory issues.

The third parameter for \$mergedocs used to be a boolean parameter that simply specified if the documents should be separated by a page break. This parameter has been altered to an integer with a set of constants. The full set of supported constants are

kWriMergePageBreak  
kWriMergeNoPagenate  
kWriMergeUseExistingStyles

In order to merge many documents fast, it is crucial to avoid the unnecessary loading and saving of intermediate documents. The best approach is to use a non-visual OWrite document object to accumulate all documents to be merged. The first document can be loaded via the \$loaddata method whereas all subsequent documents can be merged into the object using the non-static \$mergedocs function.

Correct use of optimised merge method:

```
Do OWriteObj.$loaddata(doc_list.1.doc)
For doc_list.$line from 2 to doc_list.$linecount step 1
 Do OWriteObj.$mergedocs(#NULL,doc_list.doc,kWriMergeNoPagenate) Returns result
End for
Do OWriteObj.$savedata(merged_doc,kWriFmtDefault,kTrue)
```

In order for the merge to be fast, the third parameter must specify the new merge option kWriMergeNoPagenate. This stops OWrite from carrying out any time-costly pagination on the loaded data. Pagination is not required if all we are doing is merge a number of documents. However, it is impossible to further manipulate an un-paginated document, i.e. set the selection and change some content. The only valid action after all the documents have been merged is to save the document to the OWrite binary format as shown in the example above (please note, specifying kTrue for the third parameter, although not required, will make saving and loading of the merged document faster and will reduce the binary size). If further manipulation is required after a merge, the merged document can be saved and reloaded after which it can be manipulated normally. Another solution is to not specify the kWriMergeNoPagenate option for the last document that is to be merged.

In addition to the new merge option kWriMergeNoPagenate, we have also added the option kWriMergeUseExistingStyles. Without this option, when OWrite encounters two identically named styles during a merge which have different settings, OWrite renames the style being merged to Stylenam~2, or Stylenam~3, if 2 has been used already with this name, etc. However, when specifying kWriMergeUseExistingStyles, the conflicting style being merged is discarded and the existing style is used for the document content being merged. This may alter the appearance of documents that are merged but it is a neat way of bringing documents in-line with a common set of

styles.

Example:

```
Do OWriteObj.$loaddata(empty_style_template_doc)
For doc_list.$line from 1 to doc_list.$linecount step 1
Do
OWriteObj.$mergedocs(#NULL,doc_list.doc,kWriMergeNoPagenate+kWriMergeUseExistingStyles)
Returns result
End for
Do OWriteObj.$savedata(merged_doc,kWriFmtDefault,kTrue)
```

The above example demonstrates how one can bring in line documents that are merged using a style template that contains a default set of styles. But the merge feature could also be used to bring individual documents in line for editing as part of the loading process.

Example

```
Do OWriteWindowObj.$loaddata(empty_style_template_doc)
Do
OWriteWindowObj.$mergedocs(#NULL,document_to_be_edited,kWriMergeUseExistingStyles)
```

In this case kWriMergeNoPagenate must not be specified so the document is ready for editing.

**ID :** 1275

**Implemented in version :** 3.4.0

**Short Description:** Feedback while handling large documents

**Full Description:** We have introduced the property \$showprogress. If set to kTrue, OWrite will generate progress messages during time consuming loading, saving, importing, exporting or printing.

For the OWrite window object, the \$event method is called with the new evProgress event. For non-visual document objects, the document object has to be inherited using an Omnis object class containing a method called \$progress.

Both the event and method call will receive two parameters.

- 1) pProgressType - set to one of the new kWriProgress... constants
- 2) pProgressPercent - the percent complete value (0 to 100).

The following progress types are currently generated

kWriProgressLoad: generated during \$loaddata when loading with kWriFmtDefault  
kWriProgressSave: generated during \$savedata when saving with kWriFmtDefault  
kWriProgressImport: generated during \$loaddata when loading other than kWriFmtDefault  
kWriProgressExport: generated during \$savedata when saving other than kWriFmtDefault  
kWriProgressPagenate: typically follows ...Load or ...Import once the document is loaded and is being formatted  
kWriProgressPrint: generated during printing of documents  
kWriProgressFinish: sent when the current process is completed  
kWriProgressCancel: sent when the current process did not complete due to an error

Example use:

```
On evProgress
; show progress of current operation (loading, saving, importing, exporting or printing)
; this is helpful when dealing with larger documents (100 pages+)
Switch pProgressType
Case kWriProgressLoad
Calculate $cinst.$statusbar.$panes.1.$text as "Loading document"
Case kWriProgressSave
Calculate $cinst.$statusbar.$panes.1.$text as "Saving document"
Case kWriProgressImport
```

```

 Calculate $cinst.$statusbar.$panes.1.$text as "Importing document"
 Case kWriProgressExport
 Calculate $cinst.$statusbar.$panes.1.$text as "Exporting document"
 Case kWriProgressPrint
 Calculate $cinst.$statusbar.$panes.1.$text as "Printing"
 Case kWriProgressFinish
 ; return to showing document info
 Calculate $cinst.$statusbar.$panes.1.$text as con("Page ",ivEdit.$pagenumber," of
",ivEdit.$::pagecount)
 Calculate $cinst.$statusbar.$panes.2.$text as "
 Case kWriProgressCancel
 Calculate $cinst.$statusbar.$panes.1.$text as "Action cancelled"
 Calculate $cinst.$statusbar.$panes.2.$text as "
 Quit event handler
 End Switch
 Calculate $cinst.$statusbar.$panes.2.$text as con(pProgressPercent,"% done
",jst("",con(pProgressPercent,"P|")))

```

**Comments :**

## Bug Fixes

**ID :** 1265**Fixed in version :** 3.3.1**Short Description:** Fonts not displaying correctly

**Full Description:** I have oWrite set to use Arial 10 on our screens but it does not display the same as the regular Arial font. It looks rather pixilated. What can I do to get it to display the same as the regular omnis fields?

**Comments :** It appears that for some years now OWrite failed to construct fonts in a manner that allowed windows to render them smoothly. This has now been rectified. To try the smooth font rendering in XP go to Control Panels->Display Properties->Appearance->Effects and select "ClearType". In later systems font-smoothing should already be enabled and the type in OWrite documents should immediately appear less blocky.



## Bug Fixes

**ID :** 1232**Fixed in version :** 3.2.1**Short Description:** Loading table via RTF loses formatting

**Full Description:** When converting an OWrite table to RTF and later load it again, any empty cells lose their formatting, i.e. the 9 point font size changes to 10 point. Any cells that contain text stay at 9 point.

**Comments :** This problem is related to the last paragraph in a document or last paragraph in a table cell or text box. The last paragraph in any of these circumstances does not contain a final CR character and therefore has a zero character count if it does not contain any other text. Due to an oversight, paragraph specific style information that normally overrides the paragraph's document style was not applied in such circumstances.

For example:

- the last paragraph in a table inherits the 'Normal' style which specifies Arial 10pt
- if one selects the cell and changes the font size to 9pt, all paragraphs will override the 'Normal' style's 10pt
- when loading such a document via RTF, the final paragraph in the cell will fail to override the point size during the import and revert back to the 'Normal' style which is 10pt.

This issue was partially fixed in 3.2.0 but required some additional work to resolve all formatting issues related to final paragraphs.

**ID :** 1235**Fixed in version :** 3.2.2**Short Description:** Slow rendering Owrite

**Full Description:** A user try to open the file attached on web client.  
When he try to open this file the web client freeze and after that crash.  
The document is 3 MB and the network is fast.  
In fact, to send the document to the client takes little time.  
The problem is when owrite render the document.  
There is any solution?

**Comments :** We were unable to reproduce any crashes. The file took a long time to load due to its large size (109 pages of table fields). On our test machine it took approximately 16 seconds to load. We have discovered a optimisation issue and once we have resolved it, it has reduced the loading time to about 7 seconds. This is the best that can be achieved.

The problem was not slow rendering, but a slow loading time due to the fact that the document was saved in an evaluated state and that the data in the table cells were resizing each cell during loading. This may be avoidable if such large documents are saved (\$savedata) with the third parameter set to kTrue so that the evaluated data is made permanent.

During final testing it came to light that the bMakeDataPermanent option during \$savedata calls did not work correctly for table rows that were added during evaluation. This has now been resolved as part of this case.

PLEASE NOTE: it may not be possible for existing documents to benefit from re-saving them with this flag enabled. However, evaluated documents that are saved with bMakeDataPermanent set to kTrue while \$evalcales is also kTrue, should subsequently load much faster.

**ID :** 1237

**Fixed in version :** 3.2.5

**Short Description:** owrite export to html replacing '&' with '&amp;'

**Full Description:** I think this is a change to behaviour as things that work are now not. My call to get the html out of owrite is

Do

```
iOWrite.$savedata(binary,kWriFmtHTML,kTrue,kWriHtmlNoMargins,kTrue,kWriHtmlSizeAdjust,kFalse,kWriHtmlRawSupport,kTrue,kWriHtmlNoAutoSize,kTrue,kWriHtmlBgColor,iOWrite.$papercolor)
```

all the '&' in the exported 'html' seems to be replaced by &amp;

for example, the .Header\_&\_Footer style is .Header\_&amp;\_Footer and that may or may not affect the page rendering... I don't know

```
.Header_&_Footer\t{text-align:left;margin-top:0;padding-top:0pt;margin-bottom:0;padding-bottom:0pt;font-family:Times New Roman;font-size:10pt;font-style:normal;font-weight:normal;text-decoration:none;vertical-align:top;vertical-align:top;color:#000000;text-decoration:none;}\r\n\t.Header_&_Footer_table
```

the more important part is my rendering of pictures. I am creating a URL that is:  
[https://127.0.0.1/TheatreManager/1/picture?id=2&pmb\\_seq=217&tick=2278715](https://127.0.0.1/TheatreManager/1/picture?id=2&pmb_seq=217&tick=2278715)

and it is coming out of the owrite exporter with the the '&' replaced by '&amp;' as follows:

```
<img src="https://127.0.0.1/TheatreManager/1/picture?id=2&pmb_seq=217&tick=2278715 etc..
```

the problem with the &amp; in this case is that it makes the parameters that follow in the URL ineffective .... the browsers and our servers won't process the parameters where the &amp; is. I can fix it temporarily by replacing the &amp; after the export...

but I'm not sure that a global change that the html export function is doing is wise in this case.

**Comments :** OWrite has always converted the '&' to the html "&amp;" escape sequence within an image's SRC attribute (we have tested this as far back as version 2.7) . This was probably an oversight but it appears that all browsers and servers handle this correctly so it was never noticed. As it is not necessary to convert '&' characters when correctly used to append parameters to an image's URL we have changed this behaviour.

IMPORTANT: The URL of an image that is provided during export to HTML, must be valid URL and the '?' and '&' characters should only be used to append additional parameters to an URL.

**ID :** 1238

**Fixed in version :** 3.2.5

**Short Description:** OWrite Table Performance

**Full Description:** it seems that the time to fill an OWrite Table rises exponentially with the line count of the bound Omnis List. To demonstrate this behaviour we attached an example lbs.

The lbs contains an Omnis Windows Class which generates an Omnis Report with an OWrite Table. The first entry field defines the number of lines in the bound Omnis List and the second outputs the amount of seconds it took to generate the report.

In our testing environment using OWrite 2.7 we came up with the following Result (Windows 7 64-bit):

| Line count | Seconds to generate the report |
|------------|--------------------------------|
| 50         | < 1s                           |
| 100        | < 1s                           |
| 250        | 1s                             |
| 500        | 3s                             |
| 750        | 7s                             |
| 1000       | 19s                            |
| 2000       | 173s                           |
| 4000       | 1639s                          |

This makes it nearly impossible to print more than 1000 Records.

**Comments :** Please note that although OWrite is ideally suited for producing end user reports due to its customizable nature, it has different mechanics to content with. OWrite allows the insertion, removal or editing of content at any point within a document which will impact existing content and therefore has overheads that the Omnis report generator does not. When evaluating documents against large lists, there will always be a certain amount of exponential reduction of performance. However, we isolated some unnecessary pagination relating to table fields and discovered a redraw issue that caused these rather large exponential decreases in performance that you experienced. After rectifying these issues, our own test show a very substantial increase in performance when loading or evaluating documents with large lists/tables. Using the provided example, OWrite evaluated 8000 lines/rows in less then 20 seconds.

WARNING: Some of the changes were radical and this new release requires thorough testing before distributing it.

**ID :** 1240

**Fixed in version :** 3.2.5

**Short Description:** OWrite does not redraw when changing \$papercolor

**Full Description:** When changing the \$papercolor within evSetFocus and evKillFocus oWrite doesn't redraw right away and I can't seem to force it to.  
Once I start typing or when I look with the notation inspector I can see the \$papercolor has changed.  
  
Is there a command to force oWrite to redraw itself?

**Comments :** OWrite was not forcing a redraw when the paper color was changed during event handling.

## Bug Fixes

**ID :** 958**Fixed in version :** 3.2.0**Short Description:** Selection of a strike-through formatted text

**Full Description:** if you select a text which was formatted as strike-through, the strike-through line is displayed in the original font color and the letters are displayed in a selection color.  
This behaviour is different to underline formatted text and selection on a MAC. On a MAC the whole selection including the strike-through line is displayed in the original color.

**Comments :****ID :** 1193**Fixed in version :** 3.1.6**Short Description:** Strange behaviour loading RTF data

**Full Description:** We have a situation where we're saving data from an oWrite field into RTF and later on need to load (a possibly modified) copy back into the system.

Works pretty good except when bullet points are used.

Please see attached example and open the window wTest. You'll see some RTF text above and an oWrite field with two bullet points.

Hit the reload button (it gets the RTF and loads the RTF into the oWrite field) and you will see that three things happen:

- 1) the second bullet point loses the bullet
- 2) the first bullet point gets a couple of additional spaces in front
- 3) the font table gets a new entry for the same font

Hit reload a couple of times and you end up with an interesting result.

**Comments :** We have resolved issues 1 and 2. Issue 3 was caused by specifying an invalid font name for the standard \$font property. This appears to be a problem that appears to only show itself with Studio version 4.3.2.1. This issue does not occur with Version 4.3.2.0 or any version 5 or 6.

**ID :** 1198**Fixed in version :** 3.1.7**Short Description:** Owrite crashes converting to RTF

**Full Description:** This may be something inside the document but I have an oWrite document that when I convert it to RTF crashes Omnis.

I've attached a sample library, open wTest and push the button and for me it crashes.

Any idea what could cause this?

P.S. it does not crash with oWrite 3.1.3

**Comments :** It appears the first cell in the table has \$curalign set to -1. This is not valid and the RTF exporter complains about it. Normally that would not cause too much of a problem, except when it happens inside a table cell, it appears.



We have changed the RTF exporter to ignore invalid alignments and export them as left justified (value 0).

**ID :** 1200

**Fixed in version :** 3.1.7

**Short Description:** OWrite will not load

**Full Description:** We have identified a issue with the 3.1.5 version of Owrite. The component will not load on our customers 2008 Standard Server. We know this because \$components.OWrite.\$version returns NULL and the Owrite control shows with a black background.

We spent several days troubleshooting the system thinking it was something else causing the problem. Anti-Virus, Backup Software, etc. Nothing worked. On a whim we tried loading Owrite 3.1.3 and it loads fine.

We downloaded a new copy of 3.1.5 to be sure that we did not get a bad copy. Installing it on this system goes back to the problem. We have tested it on our own 2008 server and it works fine. The computer that shows the problem has a Xeon CPU (E1220) while the one that works has a i5 (650). Both have the 64 bit version of Windows 2008.

We have loaded 3.1.3 back on the customers system and it is working.

We have not seen this behaviour on any other computer so far.

**Comments :** This problem was caused by us using new compilers for building Studio 4.3 components which introduced a reliance on MS Windows distributable DLLs that are not distributed by the Studio 4.x installers. We have now reverted back to our previous compilers for DLLs intended for Studio 4.3.

**ID :** 1202

**Fixed in version :** 3.1.8

**Short Description:** rtf inserting with wrong font

**Full Description:** if i am inserting a text from rtf, owrite Change the font.  
In the rtf example the font 1 is Arial.  
But after Import the selection font is an Adobe font.  
And this font doesn't exist on this Computer.

**Comments :** This issue was caused by an unexpected font table structure. Typically, most font table information in RTF provides the font number, family token followed by the font name. The provided RTF was missing the font family token.

We expected this  
{\fonttbl{\f0\froman Times New Roman;} {\f1\froman Arial;}}

but encountered this  
{\fonttbl{\f0 Times New Roman;} {\f1 Arial;}}

However, as other word processors had no difficulty in reading this information, we have updated OWrite to allow for this.

**ID :** 1205

**Fixed in version :** 3.2.0

**Short Description:** Strange wrap-around behaviour

**Full Description:** I think we talked about this before a looong time ago but finally managed to make a reproducible example for you.

Just open wTest in the library. In its \$construct it does 4 things:

- 1) loads and converts a large image
- 2) add a line of text to a blank document
- 3) add in the picture on an new line
- 4) add in another line of text on a new line

The picture gets resized automatically to the page width, this problem only happens if the picture is the width of the page.

oWrite wrapping logic runs and wraps the picture as a result leaving a blank space the height of the picture below the picture.

If you have a smaller picture but you add text next to the picture, when that text wraps the same behaviour is experienced, even though the text that is printed on the next line is only half a cm high, the height of the image is used as the line height.

It is as if the line height is only calculated once and then reused as the line gets wrapped instead of re-evaluating the line height of the text that is left over and printed on the next line.

**Comments :** ~~~11Feb14 12:38 Brainy Data Response~~~

This issue was caused by an image that was the exact width of the row (exact to 1000th of a mm) causing it to find an un-handled condition in the code that determines the wrapping behaviour of OWrite.

**ID :** 1227

**Fixed in version :** 3.1.9

**Short Description:** OWrite crash when inserting kWriCharReturn

**Full Description:** I have a method with a non-visual OWrite object that we insert text into and save against the database. The method works fine on Windows 7, Omnis Studio 5.2.1 Unicode, OWrite 3.1.5r but causes Omnis to crash on OSX 10.9.1, Omnis Studio 5.2.1 Unicode, OWrite 3.1.5r.

I have a work around that solves it for us, but thought I would alert you to the possible fault. (I say possible since it could be that I have misinterpreted the way \$insert should be used)

Example method:

```
nvOWrite.$insert(kWriObjText,'My text here')
nvOWrite.$insert(kWriObjChar,kWriCharReturn)
nvOWrite.$insert(kWriObjText,'New line of text')
nvOWrite.$savedata(iRow.fieldname,kWriFmtDefault,kTrue)
```

On windows we end up with the expected text in 'fieldname' that can be viewed/printed with OWrite fields, but on OSX a hard crash occurs when it attempts to insert the carriage return. (found by stepping through the code, and then by running the code with all kWriCharReturn lines commented out)

Work around: replace line 2 above with nvOWrite.\$insert(kWriObjText,"{\rtf\par}")

This results in the correct carriage return being inserted on both platforms.

**Comments :** ~~~10Feb14 14:31 Brainy Data Response~~~

Thank you for bringing this to our attention.

It appears that inserting a single character using the \$insert method or a user inputting single characters via the keyboard are handled in the same way. When individual characters are inserted, OWrite attempts to create a timer event so that when they are inserted in quick succession they can be combined into a single undo action.

Unfortunately, in the case of a non-visual object, it resulted in a null pointer call to Omnis that was to create a timed event to close the undo action for consecutive single character inserts. On the windows platform, the null pointer causes the request to be ignored, but on Macintosh, this call, eventually,

leads to a crash.

This issue has now been resolved and the fix will be available as part of our next maintenance release.

In the meantime, another work-around may be to change line 2 to  
`nvOWrite.$insert(kWriObjText,chr(13))`

## Bug Fixes

**ID :** 1188**Fixed in version :** 3.1.4**Short Description:** set/get/conv selection lockup

**Full Description:** When the OWrite field/data contains an ellipsis followed by single quote and carriage return.  
e.g.: The quick brown fox... '<kCr>

\$setselection, \$getselection, \$convselection all appear to hang/lockup.

We have an OWrite field where we check if it is empty (word count = 0) and insert placeholder text, the code in use is:

Calculate lvFirst as kWriSelectStart

Calculate lvLast as kWriSelectEnd

refOWrite.\$convselection(lvFirst,lvLast,0,kWriSRDefault,kWriSRWords,1)

If (lvLast-lvFirst)

.. insert placeholder text

End If

With the ellipsis, single quote & carriage return anywhere in the field, the above code halts and locks at \$convselection line.

I have been unable to find a work around using \$set/\$getselection to determine the word count as they also lockup when dealing with the particular character structure.

(out of curiosity I have also tested it with OWrite 3.1.3 and found the same issue)

Any assistance you can provide would be most appreciated.

**Comments :** The issue was caused by the combination of a single quote followed by white space such as a SPACE or CR character. The symptom (endless loop) could occur intermittently which depended on prior memory conditions.

**ID :** 1191**Fixed in version :** 3.1.5**Short Description:** Crash when closing screen report

**Full Description:** Using the examples Document Manager

- click the print button in the toolbar
- select "Direct to screen" and click "Print"
- click the close box

Omnis crashes.

**Comments :** This crash was caused by the changes made for case 1159.  
The crash only occurs when using the OWrite \$print method to print a document to screen or preview.



## Bug Fixes

**ID :** 1156**Fixed in version :** 3.1.3**Short Description:** Printing Label

**Full Description:** I am trying to print a label. (Dymo Label Writer - Diskette Size - 2.12 x 2.75 inches - Landscape - Margins set to: L: .25 R: .25 T: .25 B: .25)

I use this code.

```
Calculate lvModified as ivEdit.$modified
Calculate lvEvalCalcs as ivEvalCalcs
Do method Set ivevalcalcs (kTrue)
Do ivEdit.$::Print('Test',kFalse)
Do method Set ivevalcalcs (lvEvalCalcs)
Calculate ivEdit.$modified as lvModified
```

Everything looks fine. But when the label prints it prints with approx..75 left margin. If I back off the docs margin setting to 0 then it cuts off the first couple characters on the left side of the label and begins printing at the same location. It's not that the printer has a hard left margin at this position. My standard Omnis reports can start at the left in as little as .15 margin.

**Comments :** This issue was caused by a change made for case 1125 in OWrite version 3.1.0.  
We have applied an additional change that should correct this issue and still maintain the correct functionality for case 1125.

**ID :** 1159**Fixed in version :** 3.1.3**Short Description:** Crash when canceling printing to PDF

**Full Description:** Using the examples Document Manager

- click the print button in the toolbar
- select "Direct to PDF" and click "Print"
- click "Cancel" in the file selection dialog that follows

Omnis crashes.

**Comments :**

## Bug Fixes

**ID :** 1130**Fixed in version :** 3.1.1**Short Description:** Using specific fonts issues with RTF

**Full Description:** I've got a rather pressing issue to solve at the moment. One of our clients is using the font "Netto Offc.Light". oWrite is handling this beautifully, we set our text to this font and voila it renders great.

However, the problem that I'm having is that as I merge oWrite data from one document into another through calculated fields I am having to convert the data to RTF and return the RTF data from my calculation.

Now because of the dot in the font name I'm loosing the .Light bit and my font table thus looks like this:

```
{\fonttbl\font0\froman Netto Offc;}
```

As a result the resulting document is using Netto Offc instead of Netto Offc.Light.

I'm guessing this is because RTF does not support the Mac notation of the fonts (Windows just has a space instead of a dot).

**Comments :** This may or may not have been an issue in OWrite prior to version 3. The only way we were able to resolve this is by exporting typefaces other than regular, bold and italic combinations using the postscript font name. This is how the Macintosh word processor Pages embeds font names and it appears to work fine when loading the RTF with Microsoft Office on the Macintosh. We have not tested MS Windows.

**ID :** 1132**Fixed in version :** 3.1.2**Short Description:** Crash when calling \$getresultlist

**Full Description:** Omnis crashes when calling \$getresultlist and the third parameter bIncludeRowText is set to kTrue

**Comments :**

## Bug Fixes

**ID :** 1125**Fixed in version :** 3.1.0**Short Description:** Wrong header margin on print**Full Description:** I have a problem with oWrite header margin during print.

Here you are the steps to replicate the error:

- 1) Open the example.lbs
- 2) Select "Templates" from "Document Groups"
- 3) Now you'll see a document with our company logo in the header and a table on two pages
- 4) Print the document using the toolbar button
- 5) Select "Direct to screen" or "Direct to PDF" in print options

You can see in the preview that the table is printed over the header logo on all pages and this is the error. It appears the logo is not positioned correctly.

**Comments :** When printing to a printer that has a non printable margin, the OWrite header and footer content was pushed into the printable area of the page.

After resolving this issue we found that any content that overlapped the non-printable area as defined by the current printer was clipped. The only way we were able to compensate for this Omnis print manager behaviour was by changing the non-printable margin to zero in the Omnis print job. This will only work when printing OWrite documents directly using the OWrite \$::print method. However, when printing from an Omnis report class, content that overlaps the non-printable margin will continue to be clipped by Omnis.

All Omnis reports appear to effected by this behaviour, even when printing a report to a PDF file via the system PDF output.

**ID :** 1127**Fixed in version :** 3.1.0**Short Description:** Crash issues**Full Description:** At the start of the week we started using oWrite 3 on our live system (our customers are still on 2 and will be for some time) and we've noticed that oWrite crashes regularly.

I'm going to point the finger at myself here because I suspect this has to do with something dirty we are doing with merging pictures and I'm planning to solve that differently soon. Still I just wanted to make you aware of this just in case you can do something in code to prevent oWrite from crashing.

This is all related with merging in calculated fields that contain both pictures and text.

5MAR2013: Additional information

It was indeed a work-around we implemented to get the pictures in. I've rewritten the code to replace the calculated fields with the actual data and it no longer crashes. When you add a kWriObjCalcText field and have it use a field that contains RTF data and that data has a picture in it, the picture is ignored. It is not merged into the document. The work around that we implemented was to replace the picture with a string, say "^PICTURE^" and then after merging do a search on this string and replace it with the picture. This "worked" in oWrite 2, it crashes in oWrite 3 presumably because an kWriObjCalcText field can not handle having a picture held within the data being merged.

Obviously there is an enhancement request in there for me because I would really like

kWriObjCalcText to be able to handle RTF data that contains a picture. I can't use kWriObjCalcPict because the data I'm trying to merge contains both text and images. For now though we've only ran into this with our email signatures and simply replacing the calculated field with the data works fine for me but I foresee in the not to distant future this limitation might come back to haunt me.

**Comments :** We have added some extra code that prevents a crash when a document object is deleted more than once due to a left-over reference when objects are accidentally nested in this way.

However, calculated text fields cannot handle RTF data that includes pictures. They were not designed for this and doing so may result in crashes elsewhere.



## Enhancements

**ID :** 1116

**Implemented in version :** 3.0.6

**Short Description:** Exporting HREF to HTML now allows raw HTML

**Full Description:** When exporting documents to HTML, OWrite calls the developer's method `$owrite_export("html","href")`. Prior to OWrite version 3.0.5, this method had to return the 'src' string only. From version 3.0.5 onwards, this can now be the raw src html if the string begins with the open tag character '<'. This allows the inclusion of additional tags such as the target when returning urls.

Valid strings that can be returned by `$owrite_export`:

`'file.html#bookmark1'`  
or  
`'<a href="file.html#bookmark1" target="_main">'`

**Comments :**

## Bug Fixes

**ID :** 1107**Fixed in version :** 3.0.2**Short Description:** \$getobjslst always returns headers/footers instead of what is asked for**Full Description:** Just found this one. if you ask for any type of objlist, you will always get the headers as part of the object list, even if you didn't ask for them.

in the code below, if I simply want pictures, I would do:

```
Do ObjList.$define(Type,ID,FirstSel,LastSel,Name)
Do pRefOWrite.$getobjslst(ObjList,kWriObjTypePict)
```

then the list will have 3 lines in it. One line for the picture, two lines for header and footer types.

doesn't matter what the constant is, I will always get the header and footer in the returned list as part of the list.

if I use kWriObjTypeHeadFoot --- then I will only get two lines in the document.

hope that helps ---

**Comments :****ID :** 1108**Fixed in version :** 3.0.2**Short Description:** Undo delete picture in header/footer crashes**Full Description:** The following steps cause a crash  
- Paste a picture into the page header  
- Delete the picture  
- Press CTRL-Z to undo**Comments :****ID :** 1109**Fixed in version :** 3.0.2**Short Description:** \$getobjslst object type doesn't work**Full Description:** Just found out that when I call \$getobjslst(list,type) and specify a type it still returns all objects. It looks like the second parameter is being ignored.

No biggy, just changed the code to filter it myself.

**Comments :** We have fixed a problem where OWrite was always returning all header and footer objects regardless of what was specified in the second parameter. This has been fixed for 3.0.2. I am not aware of any other problem regarding \$getobjslst.

**ID :** 1112

**Fixed in version :** 3.0.5

**Short Description:** The method \$getbookmarks does not work on web-client

**Full Description:** This was caused by the use of some external component API callbacks to populate list columns which appear not to work as described on the web-client. Changing the callback functions that we use appears to resolve this problem.

**Comments :**

**ID :** 1113

**Fixed in version :** 3.0.5

**Short Description:** The method \$getfontlist does not work on web-client

**Full Description:** This was caused by the use of some external component API callbacks to populate list columns which appear not to work as described on the web-client. Changing the callback functions that we use appears to resolve this problem.

**Comments :**

## Enhancements

**ID :** 1111

**Implemented in version :** 3.0.5

**Short Description:** New parameter bSortInUse for \$getfontlist

**Full Description:** When calling \$getfontlist via the window control (instead of the static method) OWrite, by default, will return the list sorted according to whether a font is used or not used within the currently loaded document. The used font names are separated from the unused fonts by an empty line.

When the list is limited by the font map and as result only contains a small number of fonts, this may not be desirable. We have added the parameter bSortInUse which defaults to true. If false is passed, the list is simply sorted by font name and NO empty line is inserted to separate the used and unused fonts.

**Comments :**

**ID :** 1114

**Implemented in version :** 3.0.5

**Short Description:** Method \$loadfontmap can now be used on web-client

**Full Description:** Static methods cannot be called on the web-client, but in order to limit fonts returned by \$getfontlist, we added the static method \$loadfontmap as a method to the remote form control so it can be called by client methods.

**Comments :**



## Bug Fixes

**ID :** 1102**Fixed in version :** 3.0.1**Short Description:** Saving to HTML produces black background

**Full Description:** I've been using beta 52.293 of oWrite for quite a while at customer sites and heard no issues. Yesterday, I got the oWrite 3.0.0 final and gave it to one customer who does a lot of eblasts (along with upgrading from Studio 5.2.2 to Studio 5.2.3 runtime under OSX)

not more than 5 minutes after giving them this version, they write back that all the eblasts have a BLACK background. So I had Bonnie (who works for me) run tests on her Mac and she confirmed the results below.

I'm going to get her to retest the process by:

- running an old copy of TM with xcomp 52.293
- doing a simple eblast
- replacing the xcomp to the 3.0.0 release
- and seeing if the background is black.

**Comments :** This was caused by the two constants kWriHtmlNoAutoSize and kWriHtmlBgColor were not being mapped correctly internally. kWriHtmlNoAutoSize was in fact setting the background color and kWriHtmlBgColor was being ignored.

## Bug Fixes

**ID :** 756**Fixed in version :** 3.0**Short Description:** OWrite Unicode fails loading RTF**Full Description:** Here is some code that works just fine, using the non-unicode version, on Mac OS, Omnis Studio 4.3.0

```
Calculate iDisplayText as
con('{\colortbl;\red255\green255\blue255;\red255\green3\blue6;\red27\green34\blue243;}',iDisplayText)
Calculate iDisplayText as replaceall(iDisplayText,chr(13),'par ')
Calculate iDisplayText as replaceall(iDisplayText,chr(9),'tab ')
Do irWrite.$loaddata(iDisplayText,kWriFmtRTF,kFalse)
```

I collect some text and I display it as rtf.

When I use unicode version, Studio 4.3.1.4 it just shows the text as plain text, so, the rtf-codes are displayed in text as well and there are no indents and paragraphs in the text.

**Comments :** OWrite now fully supports the loading or inserting of raw RTF when using Unicode Omnis and the RTF is in a UTF32 text variable. Unicode characters above 127 embedded in the RTF, will now be handled correctly by OWrite.

**ID :** 892**Fixed in version :** 3.0**Short Description:** Copy and paste table loses some properties

**Full Description:** A user find an issue when copy and paste a table with or without a calculation.  
The user enable/disable some property for the table (for example: many row to one record, enable header row, disable footer row, split row), but when he copies the table from another document all the properties are reset.

**Comments :**

**ID :** 897**Fixed in version :** 3.0**Short Description:** load data

**Full Description:** oWrite not load correctly data.  
I have a document with list like  
1. 11111111111111111111  
2. 22222222222222222222  
3. 33333333333333333333  
IV. asddddddd  
but when i load data the numbering is disappear.

I save oWrite contents in RTF format (in binary variable) in database.  
For load I retrieve data in a binary variable an load it in oWrite, but numbering is disappear.  
I use for load:  
\$cinst.\$objs.owrite.\$loaddata(pBinary,kWriFmtRTF,kFalse)

**Comments :** This has been fixed for version 3.

IMPORTANT NOTE!

We do not recommend storing your master documents as RTF, because standard RTF does not support all OWrite features and we do not provide 100% compatibility with RTF. You should save your master documents that you intend to continue editing as kWriFmtDefault. The RTF export and import is provided purely to transfer documents between different word processors. Additional editing may be required to get them to look correctly when importing RTF into OWrite.

**ID :** 928

**Fixed in version :** 3.0.0

**Short Description:** Change the font or size

**Full Description:** Since we are working on the new version of oWrite, I would draw your attention to a problem that has always been present, it is that when you change the font or size, this change is not made &#8203;&#8203;available to the user until makes use of the keyboard, when you would expect at least the cursor changes in size, also if you do is insert a variable in the text, this insertion does not collect the type and size change made &#8203;&#8203;unless the user previously found typing some text.

**Comments :** The cursor not changing until the user starts typing is standard word-processor behaviour and cannot be changed. See "Pages" or "MS Word 2011". Both these word processors behave in the same way.

We have resolved the issue inserting calculated fields.

**ID :** 945

**Fixed in version :** 3.0

**Short Description:** Crash with cut and paste into OWrite field

**Full Description:** I have a problem with cut and paste from outlook (on PC) into an oWrite - field in the WebClient . When I take the text between the lines below, unfortunately the client crashes. Sometimes the server crashes very hard... We use the 3.0 alpha release.

**Comments :** 'the text between the lines' contains a table field. There was a general problem with importing table fields via RTF which has now been resolved.

**ID :** 950

**Fixed in version :** 3.0

**Short Description:** Indenting not correct when applying bullets or numbering

**Full Description:** If one has one or more paragraphs in a large font size, i.e. 18 or more, and one applies bullets or numbering to the paragraphs, the text is not indented correctly and the bullet or numbering is to close or even overlaps the text.

**Comments :** We have changed OWrite to consider the current font size when applying bullets or numbers. When changing the font size, each paragraph will now also check the bullet or number state to determine if the indenting has to be updated.

**ID :** 969

**Fixed in version :** 3.0.0

**Short Description:** Redraw issue when resizing footer or header

**Full Description:** I can happily enter a new paragraph in the footer and the footer grows upwards. Changing the footer margin (margin from bottom edge of paper), does work. It moves the footer up or down. However, there is a redraw issue. The footer is not redrawn with the new settings until you click in the footer. The same is true for the header.

**Comments :**

**ID :** 983

**Fixed in version :** 3.0.0

**Short Description:** Replace Function always Replaces with an Empty String

**Full Description:** while testing the replace function with the non visual oWrite component on  
System: Win XP  
Omnis Version: 5.1  
oWrite Version: 3.0.0 alpha 9 (Fat Client)]  
with the following code:

Do iSearchObj.\$text.\$assign(pSearchString) Returns lReturn  
Do iReplaceObj.\$text.\$assign(pReplaceString) Returns lReturn

Do \$cinst.\$#findinit() Returns lReturn  
Do \$cinst.\$#findnext() Returns iContinueSearch

Do \$cinst.\$replace(iSearchObj.\$owriteobj,iReplaceObj.\$owriteobj,kFalse) Returns lReturn

we always get the Result that the pSearchString is replaced by an empty string and not  
by the pReplaceString.

Using a new Version of oWrite we could see this behaviour in your example project, too.  
With an old Version of oWrite the replace function in your example seems to work fine.

**Comments :** This will be fixed for the alpha 10 release.

**ID :** 991

**Fixed in version :** 3.0.0

**Short Description:** Copy & Paste from an Outlook picture leads to a crash of the Omnis Plug-in

**Full Description:** The Picture in the bottom part of the E-Mail (Tomaschett & Cioce) leads to an Omnis Plug-in crash in  
some cases.  
The crash only occurs in Outlook 2007 and Outlook 2010 on Windows systems.  
Outlook 2003 and older do not lead to the crash and also on a MAC systems the crash does not occur.  
For testing this use the right mouse button and click Copy  
(In the Outlook Versions that lead to a crash, Copy is the only enabled context menu item!)  
Set the cursor to any oWrite Text field and press Ctrl+V  
-> The Omnis Plug-in crashes

**Comments :** The issue was related to PNG image using 8 bit colour table entries instead of the usual 24 or 32 bit  
encoded values. This issue only effected windows. While fixing this issue we also updated our PNG  
library code to pnglib 15.7 and we recommend that you test all imports involving pictures.

**ID :** 994

**Fixed in version :** 3.0.0

**Short Description:** Copy & Paste of RTF Text

**Full Description:** there are special parts of RTF Text  
that we cannot Copy & Paste from one  
oWrite to another oWrite. Pasting the  
same RTF Text from the Clipboard to  
any other Editor is no problem.

**Comments :** It appears there is a problem with style names that contain non-ascii characters when using the  
Unicode version of Studio.

We have fixed both unicode and non-unicode versions so that they handle unicode characters within  
style names.



**ID :** 996

**Fixed in version :** 3.0.0

**Short Description:** spell checking changes text before its told to

**Full Description:** In the example library I added a new document and a word that was wrong and ran spell checker on that field.

This was the word it was checking (and the entire contents of the new doc).  
wwrongg

In the top section of the spell checker window, I changed the word it was checking to:  
wwrong

When I clicked on continue this is what i got  
wwro

at this point its changed in both the spell checker window and the document. If i click on cancel the text does not change back to what i entered.

In our application this only happens when the oWrite component is on its own window. when incorporated into another by using a sub window it seems to work fine.

**Comments :** We have reproduced a problem which is slightly different but that could be because we were working with different text. When using the interactive spell-check and one manually corrects the word in the 'Not in dictionary' entry box in the spell checker window, the corrected sentence is corrupted and we end up with strange characters towards the end of the sentence.

CONCLUSION:

This was a unicode issue with OWrite and has now been fixed.

Regarding the issue when clicking a cancel button. The cancel button on the spell checker window, does not unroll corrections that have already been made. The moment one clicks continue, the manual changes made to the sentence will be committed to the document.

**ID :** 999

**Fixed in version :** 3.0.0

**Short Description:** Returning RTF data in calculation does not work.

**Full Description:** When saving OWrite data as RTF it is saved to a binary field and contains 7bit ASCII single byte characters. When one uses this data to return it as the result for a calculated field, it does not display.

**Comments :** OWrite recognised that it was RTF but failed to consider the format and expected the RTF to be in Omnis character format. This works fine in the non-unicode version, but in the unicode Omnis, OWrite only supported UTF32 characters. We have changed unicode OWrite so it handles both single byte ASCII RTF and RTF in UTF32 format.

**ID :** 1009

**Fixed in version :** 3.0.0

**Short Description:** Typing when cursor is in front of field adds to the field

**Full Description:** When a field is the first text of a line and you put the cursor in front of the field text, then, if you start typing, the characters will be added to the field instead of in front of the field. So when you re-evaluate the calculations your text will disappear. When the field is the first item of a line text should be added in front of the field, just like when the field is somewhere in a line.

**Comments :** This fix required changes in core style-run handling and the general editing and in-line style changes should be tested for backward compatibility issues.

**ID :** 1012

**Fixed in version :** 3.0.0

**Short Description:** Empty picture crashes OWrite

**Full Description:** If an empty picture is returned from a calculation of a calculated picture field, OWrite crashes

**Comments :**

**ID :** 1013

**Fixed in version :** 3.0.0

**Short Description:** Selecting evaluated fields

**Full Description:** I want to select an evaluated field. I want users to be able to make (just one) field permanent so they can edit it. If I use \$setselection to select the object then the enter after the object is selected (probably the insert point + one character). I think it should select the complete field content.

**Comments :** We have overhauled \$setselection in regards to OWrite objects in general, and all code that relies on the current selection should be tested for backward compatibility issues.

When an object ID is specified the selection range that is specified alongside it has the following effects:

\$setselection(0,0,obj\_id)

Preserves pre v3 behaviour as much as possible. Table cells will be selected for editing and the input cursor is placed at the beginning of their content. For evaluated calculated fields, the input cursor is placed at the beginning of the result (change from v3 behaviour). For all other objects the selection range is ignored and the object is selected for inspecting, moving and sizing.

\$setselection(kWriSelectStart,kWriSelectEnd,obj\_id)

Container objects such as text boxes and table cells are selected for editing and the entire content is selected. For evaluated calculated fields the entire result is selected for editing. For all other objects the selection range is ignored and the object is selected for inspecting, moving and sizing.

\$setselection(kWriSelectStart,kWriSelectStart,obj\_id)

Container objects such as text boxes and table cells are selected for editing and the input cursor is placed at the beginning of their content. For evaluated calculated fields the input cursor is placed at the beginning of their result. For all other in-line objects the input cursor is placed just in front of the object. For all other objects the selection range is ignored and the object is selected for inspecting, moving and sizing.

\$setselection(kWriSelectEnd,kWriSelectEnd,obj\_id)

Container objects such as text boxes and table cells are selected for editing and the input cursor is placed at the end of their content. For evaluated calculated fields the input cursor is placed at the end of their result. For all other in-line objects the input cursor is placed just after the object. For all other objects the selection range is ignored and the object is selected for inspecting, moving and sizing.

\$setselection(1,5,obj\_id)

Container objects such as text boxes and table cells are selected for editing and characters 2 to 5 within their content are selected. For evaluated calculated fields characters 2 to 5 within their result are selected. For all other in-line objects that have no content for editing, the 4 characters following the specified object are selected. For all other objects the selection range is ignored and the object is selected for inspecting, moving and sizing.

Also see release notes ID 1077.

**ID :** 1015

**Fixed in version :** 3.0.0

**Short Description:** Copy & Paste of an RTF Text leads to Plug-in Crash

**Full Description:** There seems to be another problem when pasting special RTF Text from Outlook E-Mail Clients. If you select all the Text and Paste it to an OWrite this leads directly to a Crash of the Omnis Web-client Plug-in.

**Comments :** The RTF included a nested table that caused the crash. We have fixed the specific issue regarding the crash, but as OWrite does not support nesting of tables, the resulting document is very messy.

**ID :** 1019

**Fixed in version :** 3.0.0

**Short Description:** HTML Export: In-line image not vertically aligned correctly

**Full Description:** When exporting an in-line image that has the vertical align set to centre, the surrounding text, when exported to HTML is aligned at the top of the in-line image.

**Comments :** This was caused by changes to the HTML 5 standard which made an images align attribute obsolete. We have changed OWrite to embed a CSS style setting instead. However, we have noticed that two browsers do not handle a child element overriding the vertical-align setting if the parent paragraph has a vertical-align setting specified. The two browsers effected are Safari and Google Chrome. We have reported this issue to Apple. The change fixes the issue for IE9 and as far as we can tell it never was a problem in Firefox or Opera.

**ID :** 1021

**Fixed in version :** 3.0.0

**Short Description:** One Character is cut from the Calculated Field text

**Full Description:** The Parameter pObjCalc cuts of the Last Character of the Calculation String  
This is my program code:

On evObjClick  
Do method \$cinst.\$#executeFunction (pObjID,pObjName,pObjCalc) Returns lReturn

This was the content of Parameters before:

pObjID = 10492  
pObjName = ALOIS (Alois Dallmayr Kaffee oHG, 1234)  
pObjCalc = 1267

This is the content of Parameters in 3.0.0 alpha 10:

pObjID = 10492  
pObjName = ALOIS (Alois Dallmayr Kaffee oHG, 1234)  
pObjCalc = 126 ç string is 1 character to small

**Comments :** This was caused by the calculation containing a ';' character which is normally used to separate the object name and calculation name. In alpha 10 the parsing of calculations has changed slightly so this issue may have been a regression.

**IMPORTANT NOTE:** We have made a small change so that calculation will continue to allow the use of the ';' character, but the ';' character cannot be used in the names part of the calculation.

**ID :** 1026

**Fixed in version :** 3.0.0

**Short Description:** Copy & Paste: missing double quotation mark

**Full Description:** When I Select a string in double quotation marks and paste this string (without the Carriage Return) in the text again, the last quotation mark is cut of.

**Comments :** This fix required some changes to the export and import of RTF, as well as the copy and paste functionality, and these areas should be tested for backward compatibility issues.

**ID :** 1039

**Fixed in version :** 3.0.0

**Short Description:** Problem with split table cell

**Full Description:** I've a problem with the split of table cell when the cell cross on more than two pages.  
I Attach 2 documents:  
-Evaluated\_Document (the cell that don't split are on page 3)  
-Original\_Document (the document with the variable not evaluated)

**Comments :** This has been fixed for the version 3 beta release. A newsletter will be send out shortly announcing the release of the first beta.

**ID :** 1043

**Fixed in version :** 3.0.0

**Short Description:** OWrite hanging after returning calculation data

**Full Description:** I am experiencing some hangs from OWrite when evaluating calculations.

**Comments :** The hang was caused by a calculated field returning RTF with no content, i.e. parsing the RTF inserted no text or any other data. It only contained style information. Traditionally calculated fields were not allowed to return an empty result but the safety measures were circumvented by returning empty RTF.

This fix resolves general instabilities related to empty results.

**ID :** 1045

**Fixed in version :** 3.0.0

**Short Description:** can crash oWrite 3a10 (or 11) by click on link

**Full Description:** here's a trace log of a crash -- generated using your write demo. I can repeat it over and over.  
  
steps:  
1) open owrite demo  
2) click on 'example mail merge' on left  
3) click on 'Run Mail Merge' in the document.

**Comments :** The crash was caused by changes for enhancement 641



**ID :** 1055

**Fixed in version :** 3.0.0

**Short Description:** Text getting cut off at bottom when printing

**Full Description:** I spoke too soon in my earlier email. The issue with the text being cut off still exists in owrite 3 but it does seem to work more often. I've included a sample library and print file that hopefully will illustrate the issue. I'm using Arial Narrow here.

I am on mountain lion and using a retina display hence the higher res screen shot that is included.

**Comments :** We believe this is a fault in the Omnis print manager as OWrite sets a flag that tells Omnis to size the clipping box around the text that is added to the print job.

To work around this we had to change this flag and let OWrite calculates a more accurate height. All printing should be tested to ensure this change has not adversely effected other fonts and sizes.

**ID :** 1065

**Fixed in version :** 3.0.0

**Short Description:** Urgent: owrite3 exports raw HTML different than oWrite2 and adds tags

**Full Description:** this is one area I didn't test before deploying oWrite3 to the field.... so I got hit with it in a live customer situation.

Merging letters and emailing works. However exporting raw HTML where the letter contains <html><head> does not behave the same and I'm kind of hoped (or I might be able to make a temp work around, not sure yet).

here's the issue

file 1 CopyPasteRaw.html contains the raw html that I paste into a letter. I have done this in both owrite 2.7.1 and owrite 3 (version 52.292) and will do a merge and email of them.

2 oWrite3MimeHeader.jpg shows that the email headers in Studio 5.2.2. They look the same as in Studio 5.2 where I'm testing oWrite2.7.1 with the same file.

3 oWrite3HTMLText contains the 'TEXT/HTML' value from the above image. It has additional html that was injected by oWrite3 that it shouldn't have.

4 owrite3PLAIN is the original plain text contained in the owrite document. I can use bbedit to compare the 2 and they are the same.

----- the result is that the merged email looks like '9 Does Look like.jpg' which is not right at all.

If I use the same html file and merge with owrite 2.7.1

5 owrite2MimeHeader shows that the mime headers are the same

6 oWrite2HTML.txt is the content of the html header exported by owrite ... which is NOT the same as what was exported by owrite3.

7 oWrite2PLAIN.txt contains the plain text portion -- which is the same as owrite3

8 should look like.jpg is the result of the email sent by owrite 2.

anyway.. hope this is easy to follow .... its got me sunk.

**Comments :** When the document's input cursor (current working selection in non-visual object) was inside the document header or footer, or inside a table cell or text box, at the time the \$savedata call was made, the kWriHtmlRawSupport option was not working resulting in the raw HTML in the document to be treated as standard text.

**ID :** 1071

**Fixed in version :** 3.0.0

**Short Description:** oWrite crash loading a document on OSX

**Full Description:** I can recreate this crash on this letter each time I try to load it --- other letters load fine -- so I'm sure its got to do with the contents of the document, although what I'm not sure.

I created this in my sample database, so it may also be a type of case that others may not be able to create .. maybe because I've been using the alpha and beta to test things. however ... looking at the crash log, it looks like oWrite went into an infinite loop on 3 lines -- which generally indicates a boundary condition situation that you may want to know about.

```
416 com.brainydata.component.owrite 0x0ec50337 cLObject::evalCalc(cIDoc*, EXTfldval*,
EXTqlist*) + 39
417 com.brainydata.component.owrite 0x0ec99233 clCalculation::showRTF(cIDoc*, unsigned char) +
107
418 com.brainydata.component.owrite 0x0ec9965c clCalculation::clearEval(cIDoc*) + 104
```

In the files, I have:

- owriteCrashLog.txt (its the same for the 6 times I tried this)
- oWriteBinaryFile - this was created in the omnis debugger and is the value of 'iRecList.LE\_DOCUMENT\_DATA'. I inspected the value and dumped it to file.

- loadLoopCrash.jog indicates the line that it crashed on

```
do iFRefOwrite.$evalcalcs.$assign(kfalse)
```

Prior to that, the program flow is:

- 1) \$loaddata
- 2) \$fixToolTips. that code is shown in entirety in the 'ObjectsInDocument.jpg' as it really just looks for '&' in the tool tips and does replacement. I include it because it shows that oWrite can find the 12 objects in the document and what they look like. To my recollection, this is the contents of the document when I created it a while back.

- 3) then it does the \$evalcalcs.\$assign(kfalse).

when I step over that line, I get a crash.

I hope that helps find the issue.

**Comments :** This change effects saved documents that use the \$scurobjshowrtf feature. Documents that use this feature should be tested for backward compatibility.

**ID :** 1077

**Fixed in version :** 3.0.0

**Short Description:** \$getselection not returning calculation object

**Full Description:** When the result of a calculation contains empty lines (i.e. returns without any text on the line), \$getselection will not return the current calculation object when the cursor is on the empty line.

I want to block users from editing calculation results, so I check if the cursor is located inside a calculation and if so, block the editing. Because of this bug this doesn't work when you are on an empty line.

**Comments :** We have overhauled \$getselection, \$curobjid and \$curobjcontainer in regards to OWrite objects in general. All code that relies on these methods should be tested for backward compatibility.

The method \$getselection and \$curobjid will now return object IDs of in-line objects or evaluated calculation objects, if the object is selected or the selection is within the object's result. The selection range returned will be local to the object so it is more compatible with the recent changes made to \$setselection (see Release Note ID 1013).

If the input cursor is placed on either side of an in-line object, neither \$getselection or \$curobjid will return the object's ID.

If \$curobjcontainer is set to kTrue, both \$getselection and \$curobjid will ignore any in-line objects that may be selected and return the container object, i.e. a table cell, that owns the in-line object.

**ID :** 1080

**Fixed in version :** 3.0.0

**Short Description:** oWrite Image error

**Full Description:** I've this problem with copying and pasting a picture in oWrite documents. As you can see in the attached screen shot, the pasted image is yellow.

The steps to replicate the error are:

- 1) Insert a image with "Paste from file" (Image 1 in my example)
- 2) Copy the image with CTRL-C
- 3) Paste the image with CTRL-V

The new image (Image 2 in my example) is yellow.

This happens even when pasting the image in a new oWrite document.

**Comments :** This is a regression and was caused by changes made for case 991 (see v3 alpha changes).

**ID :** 1082

**Fixed in version :** 3.0.0

**Short Description:** Header erases background picture

**Full Description:** The documents header and footer boxes erase over a background picture that has been placed underneath it.

**Comments :**

**ID :** 1084

**Fixed in version :** 3.0.0

**Short Description:** Can't insert calculated tables in oWrite beta 2 example

**Full Description:** In 'owrite\_plus\_examples\_3\_0\_0\_beta\_2' I'm trying to insert a calculated table using the fClients file, but output table is wrong, only the first cell has a calculation.

- 1) Go in the document group "Templates"
- 2) Insert the table using the toolbar button "Insert" -> "Table"
- 3) Choose fClients in the "Table/File name" drop down list
- 4) Fill the columns with: sec, picture, name, address and country
- 5) Check "First row is header row"

I'm sending you my 'owrite\_plus\_examples\_3\_0\_0\_beta\_2' library where you can see the wrong table in "Templates" document section.

IMPORTANT: You've to use my example file.

I've tried this on Windows 7 only.

I use the same logic as your example in my program to build calculation tables, so to me is important get this fix.

In owrite 3.0.0 Beta1 everything goes fine.

Thank you.

**Comments :**

**ID :** 1085

**Fixed in version :** 3.0.0

**Short Description:** Current object id while evaluating objects

**Full Description:** I have a small enhancement request for OWrite. When executing the object calculation it would be nice if I could get the object ident of that calculation object. Now \$curobjid is the id of the previous one. So from the object list I can get the current one, but that has some additional cost in execution. If you would set the \$curobjid\_before\_ the calculation is evaluated this would be extremely helpful.

I want the object ID so I can enhance my own chapter numbering system.

**Comments :** This was considered a bug as the original intention was that \$curobj... properties should point to the object that is being evaluated.

**ID :** 1088

**Fixed in version :** 3.0.0

**Short Description:** Merging of cells loses data when \$papercontinuous is set to kTrue

**Full Description:** When a table row is split across page boundaries when assigning \$evalcalcs to kTrue or \$papercontinuous to kFalse. The subsequent merge of a table cell loses the data that was split across the next page when assigning \$papercontinuous to kTrue. This only occurs when the cell was split on a paragraph boundary. For example.

If a cell contains three paragraphs with just one word each

One  
Two



Three

and the cell is split between the paragraphs One and Two, the subsequent merge of the cell will lose the last two paragraphs.

**Comments :**

|                           |                         |                           |       |
|---------------------------|-------------------------|---------------------------|-------|
| <b>ID :</b>               | 1090                    | <b>Fixed in version :</b> | 3.0.0 |
| <b>Short Description:</b> | Zero font size problems |                           |       |

**Full Description:** Specifying a zero font size for \$curfontsize was causing problems with the default line height and calculating character widths. Was causing a number of minor issues related to text measuring.

Using a zero font height is a way of telling Omnis to use the systems default font size. OWrite was not considering the systems default font size when measuring text in some circumstances.

**Comments :**

|                           |                                                        |                           |       |
|---------------------------|--------------------------------------------------------|---------------------------|-------|
| <b>ID :</b>               | 1091                                                   | <b>Fixed in version :</b> | 3.0.0 |
| <b>Short Description:</b> | First tab position incorrect for bullet/numbered lists |                           |       |

**Full Description:** OWrite was not considering the left indents as a tab position when the left indent was different to the first line indent. Using the left indent position as a tab position when the first line indent is positioned further to the left is standard behaviour in other word processors.

**Comments :**

|                           |                                                         |                           |       |
|---------------------------|---------------------------------------------------------|---------------------------|-------|
| <b>ID :</b>               | 1092                                                    | <b>Fixed in version :</b> | 3.0.0 |
| <b>Short Description:</b> | Intermittent crash when changing selections in document |                           |       |

**Full Description:** This crash only occurs in unusual circumstances involving calculated fields. This crash was caused by changes for case 1013.

**Comments :**

|                           |                                                             |                           |       |
|---------------------------|-------------------------------------------------------------|---------------------------|-------|
| <b>ID :</b>               | 1094                                                        | <b>Fixed in version :</b> | 3.0.0 |
| <b>Short Description:</b> | Copy and paste multiple paragraphs formats text incorrectly |                           |       |

**Full Description:** When partially selecting text from two paragraphs with different formatting, the formatting of the first paragraph is applied to the text from the second paragraph on a paste.

**Comments :**

|                           |                                                                 |                           |       |
|---------------------------|-----------------------------------------------------------------|---------------------------|-------|
| <b>ID :</b>               | 1096                                                            | <b>Fixed in version :</b> | 3.0.0 |
| <b>Short Description:</b> | Search for \$curlisttype using the search object does not work. |                           |       |

**Full Description:** When assigning a value to \$curlisttype to the search object it does not find any paragraphs with matching list types.

**Comments :** Assigning \$curlisttype was inadvertently altering the first and left indent values to random values.

**ID :** 1098

**Fixed in version :** 3.0.0

**Short Description:** Assigning a font name in the search object causes a crash

**Full Description:** When searching for specific fonts in a document, assigning \$curfontname crashes Omnis

**Comments :** This was caused by changes for the new font family and typeface handling.

**ID :** 1099

**Fixed in version :** 3.0.0

**Short Description:** Clicking calculated field no longer selects it

**Full Description:** When clicking a calculated field with a click calculation, it is no longer selected prior to executing the calculation. This makes it impossible to query object properties with the method that is executed by the click calculation.

**Comments :**

**ID :** 1100

**Fixed in version :** 3.0.0

**Short Description:** Spell checking document ignores table cells

**Full Description:** When spell checking a document using the spell check window, does not check the content of table cells.

**Comments :**

## Enhancements

**ID :** 262

**Implemented in version :** 3.0.0

**Short Description:** Request 'Execute Calculation on Clicks' for Picts

**Full Description:** It Should be useful to have the 'Execute Calculation on Clicks' attribute for picture objects.

**Comments :** As part of this enhancement we have separated calculations for clicks from calculations for data. This required some re-working of existing and implementation of new properties. The properties \$curobjdata and \$curtbldata are now obsolete are but still supported for the time being. The following properties replace \$curobjdata and \$curtbldata.

\$curobjname: the internal name of the object

\$curobjdisplay: the display text for calculated fields, text-boxes, and cells, or the display icon id for calculated pictures

\$curobjcalc: the data calculation for calculated fields, text-boxes, cells and pictures

\$curobjclickcalc: the calculation that is executed when \$curobjclicks is enabled and the user clicks the field. This calculation can be empty in which case the event evObjClick is send to the \$event method

\$curobjclicks: if set to true, users can click the calculated field or picture (existing property).

\$curtblname: the internal name of the table

\$curtblcalc: the data calculation for the table which must return list data or specify a list variable by name.

These changes will allow a calculated field or picture to have both their display data calculated, and execute a separate calculation when clicked. When a document is loaded the existing settings are not converted and calculated fields will behave as before. Only when one calculates the new \$curobjclickcalc property will conversion take place so a field can have both data and click calculations.

**ID :** 422

**Implemented in version :** 3.0

**Short Description:** Highlighting

**Full Description:** Request for highlighting feature to allow text in a document do be highlighted with a chosen colour.

**Comments :** We have introduced the new property \$curhighlight. It works in the same way as the other \$cur... properties. Any valid RGB colour including Omnis constants can be assigned.

**ID :** 479

**Implemented in version :** 3.0

**Short Description:** Ability to set start number for numbered lists

**Full Description:** We have a bit of an issue with numbering in oWrite.

This is what I would like to do:

1. First line  
    Sub text
2. Second line  
    Sub text

This is what oWrite does:

1. First Line  
    Sub text
1. Second line  
    Sub text

Is there any way to get the numbering to continue instead of starting again?

**Comments :** We have added the new property \$curlistnumstart. Setting this property to a non-zero value will start/continue a numbered list at the specified value.

**ID :** 520

**Implemented in version :** 3.0

**Short Description:** Problem with tables rows that do not fit on a page

**Full Description:** I've a problem during evaluate a table in document.  
If I have a data row with a very long description (more than a page) the owrite table has a strange (and wrong) behaviour.

**Comments :**

**ID :** 562

**Implemented in version :** 3.0

**Short Description:** Ability to highlight all matches when searching

**Full Description:** Need the ability to highlight all matches when searching documents.

**Comments :** The OWrite search object has been enhanced to enable selecting multiple matching search results within a document. Please see the description for the new  
- properties \$multiselection, \$multiselectlist, \$multiselectbackcolor, \$multiselecttextcolor, \$selectbackcolor, \$selectbackcolor and \$multiwordfind  
- methods \$setresultlist and \$getresultlist

Note: The new properties and methods are properties and methods of the OWrite search object, not the window object.

**ID :** 641

**Implemented in version :** 3.0.0

**Short Description:** Text Box selection states confusing

**Full Description:** If I click on the Text Box Border the first time it changes the rulers to reflect being "in" the text box. You then have to click the border a second time to see the rulers go back to the full document setting. And only then can the text box be deleted.

In MS word there are Three states to the Text Boxes. The first being not selected at all where you see just the line box border. The second is when you just want to select the box itself, you click on the border and the boarder simply adds the grab bars. In this state you can seize, mover or delete the box. The third state is if you click in the box. The border in the is case gets a second dashed border on the outside of the original with grab bars. In this state you can resize the box using the grab bars and you can enter text in the box, but you cannot delete the box itself as the keyboard entries work in the box itself.

I think that the Word way of doing this is a bit more intuitive as it only requires one action to do what you want to do and each has its separate look so that you know what state you're in.

**Comments :** We have introduced different frame styles for editing and sizing and also improved initial click behaviour.



**ID :** 656

**Implemented in version :** 3.0.0

**Short Description:** Use plain text selection to select text in OWrite

**Full Description:** We use a document saved as plain text to analyze the content and then try to select text in the OWrite document using the position of the text in the plain text copy. This works fine unless the OWrite document contains objects such as tables or fields.

**Comments :** Plain text selection ranges are not compatible with the standard OWrite selection ranges. This is due to the fact that when saving an OWrite document as plain text, all text content is exported flattened without any place holders or other indications of which object a specific piece of text belongs to. OWrite selection ranges work in a hierarchical fashion. We have implemented the following solution.

When exporting an OWrite document to plain text using \$savedata the new custom parameter kWriTextCreateMap can be specified so OWrite will build an internal plain text map.

Example:

```
OWrite.$savedata(plain_text,kWriFmtText,kWriTextCreateMap,kTrue)
```

You can then use the new selection range constant kWriSRPlainText to use the character position in the plain text document to select text in the rich text document.

Example:

```
OWrite.$setselection(10,15,0,kWriSRPlainText)
```

Additional Notes;

The internal map uses up memory (4 times the size of the plain text data) and is cleared on every call to \$savedata or \$loaddata regardless of the format.

Any changes made to the document will invalidate the map and a new map must be created by calling \$savedata as described above.

If a map has been cleared calling \$setselection with kWriSRPlainText will return the error kWriErrNoTextMap.

If the map and the document have become out of sync OWrite may return kWriErrEndOfTextMap in some circumstances.

**ID :** 657

**Implemented in version :** 3.0.0

**Short Description:** Ability to show invisible characters

**Full Description:** Some users ask me if it's possible to show the formatting marks and spacing of paragraphs in OWrite.

**Comments :** There is a new property called \$showinvisibles. If this property is set to kTrue, OWrite will show, spaces, tabs and return characters using symbols.

This property is a property of the window object and is not stored with a document.

**ID :** 763

**Implemented in version :** 3.0

**Short Description:** Ability to disable spell check

**Full Description:** Need the ability to temporarily disable the in-line spell check.

**Comments :** We have added a new property \$nospellcheck. This is an interface property and is NOT stored with the document. Setting this property to true will disable automatic spell checking while editing the document. Setting it to false will enable spell checking but will not check anything that was edited

while spell checking was disabled. Not until that text is edited again while spell checking is enabled.

**ID :** 767

**Implemented in version :** 3.0

**Short Description:** Table cells not to display any border lines.

**Full Description:** When we insert a table in Owrite, even if we apply no border to the cells, a gray border is always applied.  
Is there a way to have these lines completely transparent (white)?

**Comments :** We have introduced a new property \$notableoutline. This is a interface only property and is NOT stored inside document data.

**ID :** 769

**Implemented in version :** 3.0

**Short Description:** Enhancement: Decimal tab in Ruler

**Full Description:** Decimal tab in Ruler is always .  
Could it be it does not follow the omnis preferences ?  
In our case it is ,

**Comments :** We have introduced a new property \$firsttabiconid. This property if set to an Omnis Icon, will replace the default tab appearance. The icon ID must specify the first of four consecutive icons.

\$firsttabiconid = left tab  
\$firsttabiconid+1 = centre tab  
\$firsttabiconid+2 = right tab  
\$firsttabiconid+3 = decimal tab

The examples that will ship with the next version 3.0 alpha or beta release include new tab icons in the #ICONS class of the main library.

**ID :** 834

**Implemented in version :** 3.0.0

**Short Description:** Possibility of to change the 'memory' dimension of a pasted picture.

**Full Description:** Possibility of to change the 'memory' dimension of a pasted picture. Pasting big picture it's a shock for oWrite and Omnis. The application become extremely slow or freeze.

**Comments :** We have implemented two new properties.  
- \$maximagesize is a property of the OWrite component. It allows one to specify the maximum size in pixels of a pasted or imported image. If non-zero, images are scaled down if their total pixel count (width \* height) exceeds the specified maximum. The aspect ratio of the image is maintained. The property \$convtoshared must be true for this property to be active.  
- \$curobjdatadpi returns the current DPI of the image as determined by the image resolution and the current width and height of the image box in the document. When assigning this property, an image can be scaled down to a desired quality, based on the current bounding box. This property will give end users some control over image quality and memory requirements if this feature is exposed by the interface.

**ID :** 843

**Implemented in version :** 3.0

**Short Description:** Ability to link images via URL

**Full Description:** Is it possible to insert the link to an image instead of inserting the image into the text?

**Comments :** Implemented for version 3.

Please see the description for the  
new property \$curobjdatasrc  
new method \$setdatafromsrc  
and new event evGetDataFromSrc

**ID :** 864

**Implemented in version :** 3.0

**Short Description:** New property \$curobjdatasrc

**Full Description:** The new property \$curobjdatasrc can be given an Omnis calculation that returns the picture data for an OWrite picture object. When a calculation is assigned, OWrite will not store the picture data with the document data. Instead, OWrite will execute this calculation the next time you load the document.

Calculated picture fields can also benefit from this new property. Traditionally the calculation used in a calculated picture fields would return the picture data when you evaluate a document. Now this calculation can return the calculation as plain text for \$curobjdatasrc. That allows you to decide the source of a calculated picture during the evaluation of a document.

Storing the data for a picture can substantially reduce the size of your database if you have many documents that display the same image.

WEB-CLIENT:

The Omnis web-client does not support the tokenization and evaluation of calculations. In addition, it will also be required to contact the server to fetch the picture data but server calls will unroll the C++ stack making it impossible to return the picture as part of the same call. Therefore some additional functionality was required.

When a \$curobjdatasrc calculation requires evaluating, OWrite will issue a evGetDataFromSrc event.

This event has three parameters:

pObjID: the picture object's ID

pObjName: the picture object's name (calculated picture)

pObjCalc: The \$curobjdatasrc calculation to evaluate

After the code has fetched the picture data, it must be assigned to the object using the method \$setdatafromsrc(pObjID,picture\_data). This can be done within the event method.

**Comments :**

**ID :** 884

**Implemented in version :** 3.0

**Short Description:** Ability to disable table cells

**Full Description:** I would like to prevent the user from entering or modifying data in a particular table cell.

**Comments :** We have added the new property \$curobjnoenter. If set to true for a text box or table cell, the user will not be able to edit the content of the container.

**ID :** 909

**Implemented in version :** 3.0

**Short Description:** Create own "Undo-Steps" on web for Undo Typing

**Full Description:** We would like to create our own undo-steps with oWrite in web. Actually this is only possible by using \$startundo / \$sendundo, and this only allows to create a undo-step when having more than one change.

But we would need to set a undo-step after i.e. a carriage return.

Actually there is no way to do this in web.

**Comments :** We have changed the undo handling so that 'undo typing' is limited to a paragraph, as long as the paragraph is not empty. A series of empty paragraphs are collected together.

We have also added a timer to interrupt the collection for 'undo typing', if the user pauses for two seconds or more.

**ID :** 979

**Implemented in version :** 3.0.0

**Short Description:** Auto conversion of http links during printing

**Full Description:** When printing a document OWrite will check a clickable calculated field for any occurrence of "http://" within the calculation. If the text exists, OWrite will extract the entire URL from its surrounding single or double quotes, and print a HTML link tag that is associated with the display text being printed.

The HTML link tag in Omnis reports is supported by PDFDevice to produce clickable links within a PDF document.

**Comments :**

**ID :** 992

**Implemented in version :** 3.0.0

**Short Description:** New bookmark feature

**Full Description:** The new property \$curbookmark sets or clears the bookmark for the selected text. One or more characters must be selected for this property to work. When assigning a bookmark name that already exists within the document, the assignment will fail. The method \$getbookmarks(&List) returns a single column list of current bookmark names. These names can be used with \$setselection and the constant kWriSRBookmark to go to the specified bookmark in the document.

Example:

;; the following example positions the document at the first bookmark

Do ivEdit.\$getbookmarks(BookmarkList)

Do ivEdit.\$setselection(BookmarkList.[1].C1,0,0,kWriSRBookmark)

The latest OWrite Plus examples have been updated. You can right-click selected text to add or remove a Bookmark. The example context menu now has a sub menu of bookmarks that exists within the document. Selecting a bookmark name from the sub menu will select the bookmark in the document. Bookmarks have no visible representation by default. To display bookmarks within the document, you must turn on \$showinvisibles. In this mode book marked text is surrounded by a box.

To find all the changes in the examples please search for "CHANGE\_V3A10"

**Comments :**

**ID :** 1003

**Implemented in version :** 3.0.0

**Short Description:** New link colour and style properties

**Full Description:** We have added two new properties \$linktextcolor and \$linktextstyle, removing the need to set \$curunderline and \$curfontcolor when inserting links (calculated fields that have \$curobjclicks enabled).

The result of this change is that when printing or exporting the document to destinations that do not export these links, these calculations will not show the link colours and styles which can be misleading.

Existing documents that already have \$curunderline and \$curfontcolor set to simulate links, can be converted manually during loading, by searching the document for calculated fields that have \$curobjclicks enabled and clear these properties.



## Comments :

**ID :** 1007

**Implemented in version :** 3.0.0

**Short Description:** New OWrite.\$docversion static method

**Full Description:** This new property allows one to query the internal document version number of an OWrite binary document prior to loading the document. This is useful if additional changes need to be made by a developer to a document due to changes in OWrite. For further details please see the documentation and refer to the main examples.

Note: The internal document version numbers are whole integers and start at 1. They do not coincide with the release versions of the OWrite component. Document version numbers are only updated when the actual existing document structure has changed. The documentation includes a table that matches document versions with OWrite release versions.

## Comments :

**ID :** 1023

**Implemented in version :** 3.0.0

**Short Description:** Changing \$papercontinuous respects evaluated tables

**Full Description:** We have updated the property \$papercontinuous to respect page boundaries and insert or remove table headers and footers appropriately and to split or merge evaluated table rows when switching to or from the continuous paper mode.

See additional comments below...

**Comments :** When \$papercontinuous is turned on (single-page mode) and a table is subsequently evaluated, no extra headers and footers will be inserted and table rows will not be split across page boundaries as the table will be contained within a single page.

When turning off continuous paper (multi-page mode), OWrite will insert the appropriate headers and footers and split rows where page breaks are encountered. IMPORTANT: The code that assigns \$papercontinuous must have access to the same variables as the code that originally evaluated the document (assigned \$evalcalcs) so that OWrite can calculate the content for the extra headers and footers that it needs to insert.

In contrast, when an evaluated document is switched from multi-page mode to single-page mode, OWrite will strip any page boundary headers and footers that were added, and merge any rows that had been split.

This feature allows end users to edit evaluated tables in single-page mode without adversely effecting rows that would normally be split across- or additional headers and footers that would be inserted around- page boundaries. When the user has finished editing, \$papercontinuous can be turned off to paginate the modified document for printing or exporting.

### IMPORTANT SIDE EFFECTS

Evaluated documents now save all result data for the table and all table cells if parameter three (bMakeDataPermanent) for \$savedata is kFalse. This is done so documents can be saved in single-page mode and allowing OWrite later on to calculate subtotals and other content for headers and footers that are inserted when switching to multi-page mode. Storing all result data will increase the size of the document. To strip all result data you must save the document with parameter three (bMakeDataPermanent) set to kTrue, i.e. "Do OWrite.\$savedata(binary,kWriFmtDefault,kTrue)". This will permanently fix all document content for all calculated fields and cells without the possibility of re-evaluating them.

In addition to all result data being stored in the document, the properties \$papercontinuous and \$evalcalcs are now properties of the document and will also be saved and loaded with the document

data. This ensures the integrity of documents regardless of the applied mode when saving and loading.

#### LIMITATIONS

The user can only edit the master headers and footers in single-page mode, however, changes made to the master headers and footers will be copied to any additional headers and footers OWrite inserts when switching to multi-page mode.

Editing cell content of cells that are used in total calculations will have no effect as the total calculations usually refer to data in the table's result list. The developer should disable these cells (\$curobjnoenter) so they cannot be edited directly, and instead provide an interface for editing the result list data. Alternatively, modified cell content can be copied to the result list. Individual cells can be re-evaluated by re-assigning \$curobjcalc.

**ID :** 1029

**Implemented in version :** 3.0.0

**Short Description:** Limit fonts when importing RTF

**Full Description:** Your idea of a new property named \$supportedfonts that includes a list with the supported font types sounds very good.  
Please consider it for the 3.0 beta for us! If its needed, I can also make this request about your Bug Reporter or any other way.  
Just tell me what is needed.

**Comments :** We have overhauled our font mapping functionality. When calling the function OWrite.\$loadfontmap(), the columns in the supplied list are now independent of platforms and the order of fonts within the columns now merely indicates the priority that the fonts are given when mapping fonts. In addition to the font mapping, the function \$loadfontmap now also has second boolean parameter that specifies if OWrite is to be limited to the fonts specified in the map. If this parameter is true, only the fonts appearing in the map will be used by OWrite.

#### THE PURPOSE OF THE NEW FONT MAP

- Provide alternative font names for exporting to HTML
- To map unknown font names from other platforms or programs
- To limit OWrite to the specified set of fonts

#### ALTERNATIVE FONTS FOR HTML EXPORT

It is common practice when specifying font family names in HTML to specify a list of alternative names in a comma separated list. A browser will typically choose the first font in that list which is available on the client's platform. When exporting OWrite documents to HTML, OWrite will use the line from the map that contains the font name to be exported in the left-most column of the map. For example, if row two contains the font in third place and row five contains the font in second place, OWrite will pick row five as the list of font names for export to HTML.

#### MAPPING UNKNOWN FONT NAMES

When loading or importing documents from other platforms or programs or pasting content from the clipboard, the documents or content may contain font names unknown to this platform. OWrite will first search for the font in the system, comparing it with the systems family and postscript names of each font and typeface. If this search fails, OWrite will consult the font map and use the row that contains the font name in the left-most column (see 'Alternative Fonts...'). If this second search also fails, OWrite will use the first row in the map to choose the first available font starting from the left. If no font-map is provided, OWrite will use as its default font the font specified in the \$font property.

#### LIMIT OWRITE TO THE SPECIFIED FONTS

When loading the font-map via the method \$loadfontmap one can tell OWrite to limit the fonts that can be used in a document to the fonts specified in the map. When loading OWrite documents or importing documents via RTF or pasting content from the clipboard, OWrite will only allow fonts specified in the map. If fonts are encountered that are not specified in the map, OWrite will use the fonts specified in the first row of the map and pick the first one that exists on the clients system.

**ID :** 1050

**Implemented in version :** 3.0.0

**Short Description:** OWrite cross platform appearance when saving report to disk

**Full Description:** When printing OWrite documents via an Omnis report to the Disk destination and when viewing this report on another platform, some of the words run into each other, or gaps between words are larger than they should be. It depends very much on the font and sizes that are used.

**Comments :** This is only an issue when viewing the report on screen. When the report is printed the text is positioned more accurately.

The screen appearance issue is caused by an inability to accurately map some font sizes between platforms because of the difference in DPI between Macintosh and Windows. OWrite measures, positions and renders individual words and as a result the cross platform inaccuracy will effect the space between the words. For example when using a 10 point font on Macintosh at 72DPI this should become 13.33 points at 96DPI on Windows. However, Omnis is forced to either choose 13 or 14 as the size to render the 10 point text. This up-sizing or down-sizing causes the issues that are experienced.

In corporation with Tiger Logic we have provided a solution that allows OWrite to add special text to an Omnis report that is measured more accurately and allows the exact placing of individual characters in the horizontal plane. This feature is disabled by default and can be enabled by setting the property \$newprimeasure to kTrue, but it will require Studio 5.2 or better.