# Release Notes OWrite/JSOWrite version 5.1.0.0

## OWrite Enhancements

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|---|---|---|---|
| **ID :** | 1903 | **Implemented in version :** | 5.1.0.0 |
| **Short Description:** | Omnis crashes when pasting Data from Word to oWrite | | |

**Full Description:** Folgendes Problem tritt bei uns auf:

Wir haben oWrite in unserer Anwendung eingebunden, um den Kunden die Möglichkeit zu geben, eigene Formulare mit berechneten Felden aus der Datenbank zu erstellen.

Die vorlagen stehen als Word (Office 2019) vorlagen (.dot) zur verfügung. Sobald ich Tabellen selektiere und mit strg+C (oder der Maus) kopiere und dann in oWrite mit strg+V (oder der Maus) einfüge, crashd Omnis nach gewisser Zeit.

Je komplexer die Tabelle ist, um so einfacher ist der Absturz zu reproduzieren.

Beim kopieren von Text ohne Tabelle genügt zu 80% ein berechnetes Feld in der Vorlage, um omnis zum Absturz zu bringen.

Ich bin per Mail bzw per Zoom erreichbar und hoffe, Sie können uns bei diesem Problem helfen.

Sollten Sie screenshots benötigen, kann ich ihnen diese kurzfristig zur Verfügung stellen.

**Comments :** OWrite now supports the import of basic MSWord fields (i.e. date, time, page count and page number). These changes also resolve some crashes caused by some Word fields.

These changes were originally released in oWrite version 4.6. However, due to an oversight, they were not included in the version 5 release and have consequently now been added to version 5.1 as part of a minor feature release.

These enhancement required some substantial changes in the area of importing RTF fields and thus requires full testing in the areas of RTF import (including copying and pasting involving the clipboard).

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| **ID :** | 1916 | **Implemented in version :** | 5.0.1.1 |
| **Short Description:** | $maximagesize can now be applied when using $::insert() | | |

**Full Description:** When pasting RTF from the clipboard or importing RTF via $loaddata, images have $maximagesize applied. This was not the case when using the $::insert() method.

**Comments :** We have added a new option for inserting image objects so that $maximagesize is applied to the image data being inserted. The new option kWriInsertApplyMaxImageSize can be specified in combination with other appropriate kWriInsert... options.

Example:
Do
refOWrite.$::insert(kWriObjTypePict,picture_data,kWriInsertSelect+kWriInsertApplyMaxImageSize)

The options parameter (third parameter) is new for inserting images and the default behaviour when omitted is that the picture is selected after inserting (i.e. as if kWriInsertSelect was specified).

Raw images are now supported as part of this conversion. However, when specifying kWriInsertApplyMaxImageSize, raw PNG and JPEG images will be converted to CS24.

Because there have been substantial functional changes to the core routines that deal with importing, pasting and inserting images, all these features should be tested thoroughly, prior to distributing this version to your users.

NOTE: $maximagesize must specify the maximum number of pixel as a maximum area. For example to limit the size of an image to an area of 200 by 200 pixels, $maximagesize must be set to 200*200 which equals 40000 pixels. The image that is resized to that limit will maintain its aspect ratio. For example, an image of 640 by 250 will be resized to 320 by 125 (total 40000 pixels).

| ID : | 1917 | Implemented in version : | 5.1.0.0 |
|---|---|---|---|
| Short Description: | <CR><LF> not pasting correctly. | | |

**Full Description:**

There seems to be an issue when pasting text from programs like Word or Outlook.

I believe that it has to do the periods and spaces.

See below.  Theis first paragraph is from Outlook.  The second is how it looks after pasting it into oWrite.  Notice the "ц".

Hope all is well on your end. I was asked to reach out again by our Vet team and inquire about adding partial approval logic in place.  I sent you a quick write up and we had discussed this about a month ago or so.  The end goal here of course was to give the merchant more options regarding credit card device hardware. Let me know if you were able to get this added, or if it's potentially something on your roadmap for a future release.

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**Comments :**

We have added a new property $pasteoptions which amongst other things allows the stripping of spaces and non-breaking spaces from otherwise empty paragraphs. Hopefully, this will help with this case.

The property $pasteoptions encapsulates a control based set of options that control handling of clipboard data when users paste document content from other applications or owrite (see kWriPaste... constants). BY default this property is set to
    kWriPastePlainText+kWriPasteRichText+kWriPasteImages

To strip empty paragraphs of its spaces set it to
    kWriPastePlainText+kWriPasteRichText+kWriPasteImages+kWriPasteStripEmptyLineNBSP

The full set of options are

kWriPastePlainText
Allow pasting of plain text (default on)

kWriPasteRichText
Allow RTF and images as part of RTF if kWriPasteImages is set

kWriPasteImages
Allow pasting of images direct from clipboard or as part of RTF

kWriPasteStripEmptyLineNBSP
Strip spaces and non-breaking spaces from otherwise empty lines during a paste

kWriPasteRTFnoParaStyles
When pasting RTF, document and paragraph styles are ignored

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The constants a set constants and therefore must never be used by adding constant values to the existing value of the property, i.e. DO NOT DO

    Calculate owrite.$pasteoptions as owrite.$pasteoptions+kWriPasteStripEmptyLineNBSP

If kWriPasteStripEmptyLineNBSP has already been applied to the property it will accumulate. Instead you CAN DO

    Calculate owrite.$pasteoptions as bitor(owrite.$pasteoptions,kWriPasteStripEmptyLineNBSP)