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Subject: How do I detect if the data in a RichEdit was changed by user?

Posted by [slashupp](#) on Wed, 12 Feb 2020 09:47:43 GMT

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I have a RichEdit in a tab, and when the user clicks away I want to save the data if it was changed, but

I cannot determine how to find out if the data was changed.

IsModified() does not seem to work as advertised :) and I cannot find any other clue.

An obvious way would be to check if it contains undo-dat, but for some reason undo-buffer is not accessible (why-ever not?) and using PickUndoData() CLEARS the editor (why?)

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Subject: Re: How do I detect if the data in a RichEdit was changed by user?

Posted by [mirek](#) on Fri, 14 Feb 2020 08:00:09 GMT

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Admittedly, the issue is that IsModified queries the whole widget tree, which I now find quite confusing. Anyway, current solution is IsModifySet.

That said, I agree that current situation is confusing, so I am changing

ResetModify -> ClearModify

ClearModify -> ClearModifyDeep

IsModifySet -> IsModified

(While this is quite a change of contract, search through all of my projects revealed that a) Modify flag is really not used that much often b) current use actually rather expects above behaviour).

All that said, this whole solution is not able to check for the situation where you change data and change it back. So maybe even better would be to actually compare original content with current one, or its hash...

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Subject: Re: How do I detect if the data in a RichEdit was changed by user?

Posted by [slashupp](#) on Tue, 18 Feb 2020 12:49:39 GMT

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thx mirek

As a cop-out at the moment I do a CRC32 on the data before and after to check if it was changed

I will change my code to use IsModifySet and see how that works out ..

but still think that checking the undo-buffer would give a surer indication ...

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Subject: Re: How do I detect if the data in a RichEdit was changed by user?

Posted by [mirek](#) on Tue, 18 Feb 2020 17:17:56 GMT

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I think crc32 is too small for this. I would rather use MD5 or even SHA1 (which are both simple to do in U++).

Mirek

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