

AOZ Studio Beta - Bug #847

Bsave is saving one less byte than it should. Also, the example shown on the F5 help is wrong.

10/09/2021 04:17 PM - Brian Flanagan

Status:	Closed	Start date:	10/09/2021
Priority:	High	Due date:	
Assignee:	David Baldwin	% Done:	0%
Category:		Estimated time:	0:00 hour
Target version:	1.0.0 (B10) u16		
Affected version:			
Description			
Tested in 1.0.0 (B10) u16 (Oct 9)			
In Bsave we have successfully reproduced one of the ERRORS in AMOS. Perhaps in a STRICT AMOS mode we could do it this way, but in AOZ this should NOT happen. It is wrong!			
Example:			
<pre>Palette 0,\$FFFFFF,\$FF3333 Pen 1 : Paper 0 : Curs Off : Cls 0 ' ' Reserving 10 bytes. ' Print "Reserve & fill a 10-byte buffer:" Reserve As Work 15,10 addrStart = Start(15) addrEnd = addrStart+9 ' Total of 10 bytes Print "Length(15):";Length(15) ' Poke in the numbers 1 - 10 in those 10 bytes. For i=0 To 9 Poke addrStart+i,i+1 Next i ' Verify the contents For i=0 To 9 Print Right\$(Hex\$(Peek(addrStart+i),2),2);" "; Next i Print Print "press any key" Wait Key ' Bsave the file. fName\$="application:TestBsave.dat" Print Print "Bsave ";fName\$ ' Although addrStart and addrEnd are correct, only 9 bytes are written. Print "addrStart: ";addrStart,"addrEnd: ";addrEnd Print "(Total of 10 bytes)" Bsave fName\$,addrStart To addrEnd Pen 2 Print "Length of saved file: ";File Length(fName\$) Pen 1 Print Print "press any key" Wait Key ' Clear buffer Print Print "Buffer cleared:" For i=0 To 9 Poke addrStart+i,0 Next i</pre>			

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' Yes, it's clear.
For i=0 To 9
    Print Right$(Hex$(Peek(addrStart+i),2),2);" ";
Next i
Print
Print
Print "press any key"
Wait Key

Print
Print "Blod saved file ";fName$
' Blod & Verify the contents
Blod fName$,addrStart
For i=0 To 9
    If Peek(addrStart+i) <1 Then Pen 2
    Print Right$(Hex$(Peek(addrStart+i),2),2);" ";
Next i
Pen 1
' NOTE: Last byte of buffer was not Bloaded.
Print
Print "Verified the last byte was not saved."
Print "press any key"
Wait Key

```

The help on both F5 and F6 is also wrong.

It was taken from the INCORRECT example in the AMOS Pro manual... page 05.09.05

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// Start Example Code
Bsave "Test",Start(5) To Start(5)+Length(5) : Rem Save memory bank 5
// End Example Code

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The above example should fail! It goes 1 past the end of the buffer.

For example: If Start(5) was 0, and the Length(5) was 8

It should save from 0 to 7 (a total of 8 bytes).

If we save from Start(5) to Start(5) + Length(5), thats 0 to 8 (a total of 9 bytes). ERROR!

History

#1 - 10/09/2021 09:41 PM - David Baldwin

- Status changed from New to Resolved

- Assignee set to David Baldwin

Fixed. Same old problem when length is calculated from 'End' - 'Start'. $9 - 0 = 9$, not 10

Also fixed Bsave "filename", start, length which gave internal error.

#2 - 10/22/2021 11:55 AM - Brian Flanagan

- Status changed from Resolved to Closed

Verified - Working! :-)

Thanks Dave!