

Public Support - Support Request #18034

Info for adtf::streaming:ant::ISample::WriteLock regarding internal memcpy/memset usage

2022-08-05 09:39 - hidden

Status:	Closed	Product Issue Numbers: Affected Products: ADTF 3.13.0 Platform: Topic: ADTF::SDK FAQ Links:
Priority:	Normal	
Category:		
Customer:	DAIMLER	
Department:		
Requester's Priority:	Normal	
Support Level:	2nd Level	
Resolution:	Solved Issue	
Description		
Supportanfrage		
We would like to know more information on function <i>adtf::streaming:ant::ISample::WriteLock</i>		
Is there memcpy/memset involved internally?		
Lösung		
It depends on the current state of the buffer:		
<ul style="list-style-type: none">• Sample has no buffer yet (i.e. first call to WriteLock()): If you specify a size via the szPreAllocateSize parameter the buffer will be allocated, but left untouched otherwise.• Sample already has a buffer: If you specify a size via the szPreAllocateSize the buffer will be resized to this value. If szPreAllocateSize is bigger than the current size, a new buffer will allocated and the "old" data will be copied to the new enlarged buffer.		
Basically it behaves exactly like std::vector without the memset in the constructor with the size parameter.		

History

#1 - 2022-08-05 13:24 - hidden

- Status changed from New to In Progress
- Topic set to ADTF::SDK

#3 - 2022-08-08 07:35 - hidden

Hi,

it depends on the current state of the buffer:

- Sample has no buffer yet (i.e. first call to `WriteLock()`): If you specify a size via the `szPreAllocateSize` parameter the buffer will be allocated, but left untouched otherwise.
- Sample already has a buffer: If you specify a size via the `szPreAllocateSize` the buffer will be resized to this value. If `szPreAllocateSize` is bigger than the current size, a new buffer will allocated and the "old" data will be copied to the new enlarged buffer.

Basically it behaves exactly like `std::vector` without the `memset` in the constructor with the size parameter.

Regards,

Martin

Regards,

Martin

#4 - 2022-08-09 05:54 - hidden

- Status changed from In Progress to Customer Feedback Required

#6 - 2022-08-16 11:51 - hidden

Hello Vimal,

do you have further questions on this topic, or can this ticket be closed?
Please give us feedback until 18.08.2022

#7 - 2022-08-16 12:54 - hidden

Thanks for the clarification.
The ticket can be closed.

Regards,
Vimal

#8 - 2022-08-17 11:17 - hidden

- *Project changed from 9 to Public Support*
- *Subject changed from Info on adtf::streaming:ant::ISample::WriteLock to Info for adtf::streaming:ant::ISample::WriteLock regarding internal memcpy/memset usage*
- *Description updated*
- *Status changed from Customer Feedback Required to To Be Closed*
- *Private changed from Yes to No*
- *Resolution set to Solved Issue*

#10 - 2023-02-09 07:58 - hidden

- *Status changed from To Be Closed to Closed*