

Public Support - Support Request #18034

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

2022-08-05 09:39 - hidden

<b>Status:</b>	Closed	<b>Product Issue Numbers:</b>  <b>Affected Products:</b> ADTF 3.13.0  <b>Platform:</b>  <b>Topic:</b> ADTF::SDK  <b>FAQ Links:</b>
<b>Priority:</b>	Normal	
<b>Category:</b>		
<b>Customer:</b>	DAIMLER	
<b>Department:</b>		
<b>Requester's Priority:</b>	Normal	
<b>Support Level:</b>	2nd Level	
<b>Resolution:</b>	Solved Issue	
<b>Description</b>		
<b>Supportanfrage</b>		
We would like to know more information on function <i>adtf::streaming:ant::ISample::WriteLock</i>		
Is there memcpy/memset involved internally?		
<b>Lösung</b>		
It depends on the current state of the buffer:		
<ul style="list-style-type: none"><li>• 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.</li><li>• 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.</li></ul>		
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*