Subject: Re: PipeStream - bidirectional Stream
Posted by dolik.rce on Mon, 18 Feb 2013 23:36:17 GMT

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dolik.rce wrote on Mon, 18 February 2013 23:04mirek wrote on Mon, 18 February 2013 22:42Even with circular buffer, there IMO is always range that can be expressed using rd/wrlim. And we do not know what the use of PipeStream is to be...Perhaps you're right. It would be a partial optimization, for the price of more complex code. I admit I was glad it just works, so I wasn't thinking about it much I'll try to look at it.
Ok, I found the showstopper... When you use wrlim/rdlim, the Stream functions know nothing about the fact that PipeStream is bidirectional and won't swap ptr and pptr when necessary. As far as I can tell at this late hour, it is only possible to overcome this problem by requiring user to explicitly set the state before each Get/Put operation, which is IMHO quite ugly Or do you have any other idea? I would prefer bypassing the Stream rather than having to put SetState() call to every place where it might be needed...

Honza