

Re: copymemory basic question

Source: <http://www.tech-archive.net/Archive/VB/microsoft.public.vb.winapi/2005-09/msg00022.html>

- *From:* "Donald Lessau" <don@xxxxxxxxxxxxxxxx>
 - *Date:* Thu, 1 Sep 2005 10:01:23 +0200
-

"Karl E. Peterson" <karl@xxxxxxxx> schrieb im Newsbeitrag
<news:uZPdWForFHA.2592@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

```
>  
> Public Sub SwapStr05(s1 As String, s2 As String)  
> Static lpTmp As Long  
> ' Use PutMem4 and GetMem4 directly from runtime.  
> ' This method requires no typelibs!  
> lpTmp = StrPtr(s1)  
> 'Call GetMem4(VarPtr(s1), lpTmp)  
> Call PutMem4(VarPtr(s1), StrPtr(s2))  
> Call PutMem4(VarPtr(s2), lpTmp)  
> End Sub  
>
```

Yeah, sweet!

Of course, I could not resist to test it against a non-Static version, and again, non-Static came out clearly faster here (VB5, EXE, all opt). As opposed to your results, weird.

SwapString/Call 1: "a", "b"

VB5-COMPILED/AllCompileOpt ON: 10 x 100000 iterations, 01.09.2005 09:58:00

System: Athlon XP 2000+, 512 RAM, Win XP Pro SP1, IE6.0

Rank - Rel.Time - Abs.Time - Routine - Description

3 - 1.64 - 0.082µs - SwapString09 -

1 - 1.00 - 0.050µs - SwapString10 -

2 - 1.35 - 0.068µs - SwapString11 - Static

SwapString09 = my previously posted CopyMemory version.

SwapString10 = your SwapStr05, but non-Static

SwapString11 = your SwapStr05, Static (as quoted above)

Don

.

- *Follow-Ups:*
 - ◆ [*Re: copymemory basic question*](#)

Re: copymemory basic question

◇ *From:* Karl E. Peterson

• *References:*

- ◆ ***Re: copymemory basic question***
◇ *From:* Karl E. Peterson
- ◆ ***Re: copymemory basic question***
◇ *From:* Donald Lessau
- ◆ ***Re: copymemory basic question***
◇ *From:* Jim Mack
- ◆ ***Re: copymemory basic question***
◇ *From:* Donald Lessau
- ◆ ***Re: copymemory basic question***
◇ *From:* Karl E. Peterson
- ◆ ***Re: copymemory basic question***
◇ *From:* Jim Mack
- ◆ ***Re: copymemory basic question***
◇ *From:* Karl E. Peterson
- ◆ ***Re: copymemory basic question***
◇ *From:* Jim Mack
- ◆ ***Re: copymemory basic question***
◇ *From:* Karl E. Peterson

- Prev by Date: ***Re: Connecting to the Internet***
- Next by Date: ***Re: API to get date/time from another machine (i.e. net time \\hostname)***
- Previous by thread: ***Re: copymemory basic question***
- Next by thread: ***Re: copymemory basic question***
- Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***