

Re: How to pass a reference to a CComBSTR

Source: <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.atl/2005-08/msg00010.html>

- *From:* "Heinz Ozwirk" <hozwirk.SPAM@xxxxxxx>
 - *Date:* Sun, 31 Jul 2005 09:40:25 +0200
-

"Steve Franks" <please@xxxxxxxxxxxxxxxxxxxx> schrieb im Newsbeitrag
[news: t6dnYV4EPK_V3bfRVn-qg@xxxxxxxxxxxxxxxxxxxx](mailto:t6dnYV4EPK_V3bfRVn-qg@xxxxxxxxxxxxxxxxxxxx)

>I have a CComBSTR variable in function A. I want to pass this variable to
>function B by REFERENCE, so that function B can update this variable with a
>new string it calculates.

>

> I'm passing in my CComBSTR like this: myfunction(& myCComBSTRvar)

> and myfunction looks like this:

> void myfunction(CComBSTR *myCComBSTRvarToUpdate) { }

This is not passing by reference – you are passing pointers. To pass by
reference you should declare myfunction as

```
void myfunction(CComBSTR& myModifiableVariable)...
```

and call it like

```
myfunction(myCComBSTRvar);
```

Some wise guy at MS thought it to be a good idea to overload operator& to
make a CComBSTR easily mix with plain BSTR. But by doing that he made it
impossible to get the address of a CComBSTR itself. If you only use CComBSTR
as a wrapper for BSTR, you should have a look at `_bstr_t`.

> I am using Visual Studio 6.0 and that is my only option. What is the MOST
> EFFICIENT way I can handle this need? I read something from Microsoft
> about using a "container" if you need to pass a CComBSTR by reference, but
> I'm not sure what they mean. Can someone provide a quick example of that?

There is some class called CAdapt somewhere in ATL...

HTH
Heinz

.

Re: How to pass a reference to a CComBSTR

- *Follow-Ups:*
 - ◆ ***Re: How to pass a reference to a CComBSTR***
◇ *From:* Egbert Nierop \((MVP for IIS\)

- *References:*
 - ◆ ***How to pass a reference to a CComBSTR***
◇ *From:* Steve Franks

- Prev by Date: ***Re: How to pass a reference to a CComBSTR***
- Next by Date: ***Re: How to pass a reference to a CComBSTR***
- Previous by thread: ***Re: Improved CComBSTR***
- Next by thread: ***Re: How to pass a reference to a CComBSTR***
- Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***