

Re: Possible to pass strings back to ASP from ActiveX?

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2006-05/msg00272.html>

- *From:* "John Spaith [MS]" <jspaith@xxxxxxxxxxxxxxxxxxxxxxxx>
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-

First, I'm not an MFC guy so I don't have any words of wisdom for walking through the wizards & making this work via MFC wizard. But from straight IDL/ASP, it's possible to return strings back. If you have Platform Builder I'd recommend you check out the Web Server configuration ASP sample in %_WINCEROOT%\public\servers\sdk\samples\http\asp.

If you don't have this code, relevant snippets would be from .idl file there's this line:

```
[propget] HRESULT LogFile([in] BSTR bstrLogName, [out, retval] BSTR *pLogData);
```

C++ implementation is

```
STDMETHODIMP CHttpAdmin::get_LogFileDirectory(BSTR *pVal)  
{  
    const WCHAR *wszLogDir;
```

```
    // It's possible they didn't have a value set.  
    if (NULL == (wszLogDir = m_Reg.ValueSZ(RV_LOGDIR)))  
    {  
        *pVal = NULL;  
        return S_OK;  
    }
```

```
    if ( NULL == ( *pVal = SysAllocString(wszLogDir)))  
        return DISP_E_EXCEPTION;
```

```
    return S_OK;  
}
```

ASP script caller is

```
<TD><INPUT NAME = "LogFileDirectory" VALUE = "<%=  
HttpdAdmin.LogFileDirectory%>"></TD>
```

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If this isn't helpful or you want to patch up MFC without hacking up generated code (ideally you let MFC generate everything for you if you go that route), if there's no good CE docs on how to do this check out the

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desktop docs. This is more a COM question than an ASP, and CE's COM is a port of desktop with only some features added and a ton of random stuff removed (but not automation support).

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"lagu2653" <lagu2653@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:C1BF5D58-FC6E-4F02-B3FF-41B07CE361C8@xxxxxxxxxxxxxxxxxxxx

I posted earlier and Chris told me it was possible to pass strings from ASP to an ActiveX object. Is it also possible to pass it back from ActiveX, written in C++, to ASP. I tried to create a new "MFC Smart Device ActiveX control" in VS2005. My methods were visible to ASP and the IObjectSafety was implemented by default but I couldn't return any strings. I couldn't even call a method which didn't return anything and didn't have any in-parameters without getting a:

```
#####  
HTTP 500.100 - Internal server error - ASP-error  
Error type:  
(0x8000FFFF)  
irrevocable error  
/tabletestcpp.asp, line 3  
Page:  
GET /tabletestcpp.asp  
#####  
In AxTestTemplateCtrl1.h I changed:  
afx_msg int AboutBox(); // Actually AboutBox returned void previously  
to  
afx_msg int AboutBox();  
int Question();  
#####  
In Resource.h I changed:  
#define IDD_ABOUTBOX_AXTEMPLATETEST1 1  
to  
#define IDD_ABOUTBOX_AXTEMPLATETEST1 1  
#define IDD_QUESTION_AXTEMPLATETEST1 1  
#####
```

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In AXTemplate.idl I changed:

```
[id(DISPID_ABOUTBOX)] int AboutBox();  
to  
[id(DISPID_ABOUTBOX)] int AboutBox();  
[id(DISPID_QUESTION)] int Question();
```

A major part of the file:

```
#define DISPID_QUESTION (-804)
```

```
[ uuid(DF4F7FC6-E01D-4FFE-8EC5-5916BEE8E034), version(1.0),  
helpfile("AxTemplateTest1.hlp"),  
helpstring("AxTemplateTest1 ActiveX Control module"),  
control ]  
library AxTemplateTest1Lib  
{  
importlib(STDOLE_TLB);
```

```
// Primary dispatch interface for CAxTemplateTest1Ctrl
```

```
[ uuid(F009FE68-00BB-40AF-822B-09498C1D7961),  
helpstring("Dispatch interface for AxTemplateTest1 Control")]  
dispinterface _DxAxTemplateTest1  
{  
properties:  
methods:
```

```
[id(DISPID_ABOUTBOX)] int AboutBox();  
[id(DISPID_QUESTION)] int Question();  
};
```

```
// Event dispatch interface for CAxTemplateTest1Ctrl
```

```
[ uuid(FF7AEE09-2089-4978-B6DB-C94EB843A932),  
helpstring("Event interface for AxTemplateTest1 Control") ]  
dispinterface _DxAxTemplateTest1Events  
{  
properties:  
// Event interface has no properties
```

```
methods:  
};
```

```
// Class information for CAxTemplateTest1Ctrl
```

```
[ uuid(789AC977-B160-41BE-902A-1D032D722E89),  
helpstring("AxTemplateTest1 Control"), control ]  
coclass AxTemplateTest1  
{  
[default] dispinterface _DxAxTemplateTest1;  
[default, source] dispinterface  
_DxAxTemplateTest1Events;
```

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```
};  
  
};  
#####
```

In AxTestTemplateCtrl1.h I changed:

```
// Dispatch map  
  
#define DISPID_QUESTION (-804)  
  
BEGIN_DISPATCH_MAP(CAxTemplateTest1Ctrl, COleControl)  
DISP_FUNCTION_ID(CAxTemplateTest1Ctrl, "AboutBox",  
DISPID_ABOUTBOX, AboutBox, VT_I4, VTS_NONE)  
//DISP_FUNCTION_ID( theClass, pszName, dispid, pfnMember, vtRetVal,  
vtsParams )  
END_DISPATCH_MAP()  
  
to  
  
// Dispatch map  
  
#define DISPID_QUESTION (-804)  
  
BEGIN_DISPATCH_MAP(CAxTemplateTest1Ctrl, COleControl)  
DISP_FUNCTION_ID(CAxTemplateTest1Ctrl, "AboutBox",  
DISPID_ABOUTBOX, AboutBox, VT_I4, VTS_NONE)  
DISP_FUNCTION_ID(CAxTemplateTest1Ctrl, "Question", DISPID_QUESTION,  
Question, VT_I4, VTS_NONE)  
//DISP_FUNCTION_ID( theClass, pszName, dispid, pfnMember, vtRetVal,  
vtsParams )  
END_DISPATCH_MAP()  
#####
```

In AxTestTemplateCtrl1.h I changed:

```
// CAxTemplateTest1Ctrl::AboutBox – Display an "About" box to the user  
  
int CAxTemplateTest1Ctrl::AboutBox()  
{  
CDialog dlgAbout(IDD_ABOUTBOX_AXTEMPLATETEST1);  
dlgAbout.DoModal();  
}  
  
to  
  
// CAxTemplateTest1Ctrl::AboutBox – Display an "About" box to the user  
  
int CAxTemplateTest1Ctrl::AboutBox()  
{  
return 321;  
}
```

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```
CDialog dlgAbout(IDD_ABOUTBOX_AXTEMPLATETEST1);  
dlgAbout.DoModal();  
}
```

```
int CAxTemplateTest1Ctrl::Question()
```

```
{  
return 321;  
}
```

```
#####
```