

Re: Calling stored procedure from ASP with ADO

Source: <http://www.tech-archive.net/Archive/Data/microsoft.public.data.ado/2006-08/msg00296.html>

- *From:* Stephen <Stephen@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 30 Aug 2006 12:43:01 -0700
-

Thank you! This:

```
dim ra, pid, code
ra = Request.QueryString("RA")
'validate ra here
pid= Request.QueryString("pid")
'validate pid here
code= Request.QueryString("code")
'validate code here

' if everything is valid, then:
conTmp.ClaimDetails ra,pid,code, rstmp
if not rstmp.eof then
```

....worked like a charm and is unbelievably simple to boot!

-Stephen

"Bob Barrows [MVP]" wrote:

Stephen wrote:

```
I have a stored procedure as follows:
CREATE PROCEDURE ClaimDetails
(
  @RANum NVARCHAR(10),
  @PlanID NVARCHAR(9),
  @AdjCode NVARCHAR(5)
)
AS
```

You should make it a standard practice to add "SET NOCOUNT ON" here. It's got nothing to do with your problem this time, but will probably prevent problems in the future.

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```
SELECT Claim.BillingProviderID, LineItem.PIKey,  
LineItem.EIMLineNum,
```

<snip>

I am trying to call it and pass parameters and then return the resulting recordset. The following code on my ASP page does not work:

```
set conTmp = server.CreateObject("ADODB.Connection")  
Set cmd = Server.CreateObject("ADODB.Command")
```

You have no output parameters and don't seem to be interested in the Return parameter, so you do not need an explicit Command object.

```
set rsTmp = Server.CreateObject("ADODB.Recordset")  
  
'connection string is valid and set in global.asa  
conTmp.open Application("EIMRemit_ConnectionString")  
  
cmd.ActiveConnection = conTmp
```

This should be:

```
Set cmd.ActiveConnection = conTmp
```

```
cmd.CommandText = "ClaimDetails"  
cmd.CommandType = adCmdStoredProc
```

Here is the first problem right here:

```
cmd.Parameters.Append cmd.CreateParameter("RANum", adVarChar, _
```

adVarChar is used for varchar parameters, not nvarchar.

Here is the second problem:

```
adParamReturnValue)
```

These are adParamInput parameters, not adParamReturnValue

```
cmd.Parameters.Append cmd.CreateParameter("PlanID", adVarChar, _  
adParamReturnValue)  
cmd.Parameters.Append cmd.CreateParameter("AdjCode", adVarChar, _  
adParamReturnValue)
```

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```
cmd("RANum") = Request.QueryString("RA") 'RA number (string)
```

Always validate user inputs. It's very dangerous to directly use Request collection values without validating them first.

```
cmd("PlanID") = Request.QueryString("PID") 'Provider number (string)
cmd("AdjCode") = Request.QueryString("Code") 'code (string)

set rstmp = cmd.Execute()
```

While you can certainly use an explicit Command object for this, I find it much simpler to use the procedure-as-connection-method technique, like this:

```
dim ra, pid, code
ra = Request.QueryString("RA")
'validate ra here
pid= Request.QueryString("pid")
'validate pid here
code= Request.QueryString("code")
'validate code here

' if everything is valid, then:
conTmp.ClaimDetails ra,pid,code, rstmp
if not rstmp.eof then
....
```

If you are married to the idea of using the explicit Command object, you might find this code generator helpful (the price is right: free):

http://common.mvps.org/barrowsb/ClassicASP_sp_code_generator.zip

Here is some more reading material:

<http://groups.google.com/group/microsoft.public.inetserver.asp.general/msg/5d3c9d4409dc1701?hl=en>

<http://www.sqlsecurity.com/DesktopDefault.aspx?tabid=23>

http://www.nextgenss.com/papers/advanced_sql_injection.pdf

<http://groups-beta.google.com/group/microsoft.public.inetserver.asp.db/msg/72e36562fee7804e>

Microsoft MVP --- ASP/ASP.NET

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