

Question

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Linked Stored Procedure Query in Ensemble 2017.2.1

I have generated a class using the linked procedure wizard however I can't get it to work if the datatype of one of the parameters is VARCHAR(MAX). It works fine if I change it to say VARCHAR(500) and rerun the stored procedure wizard.

I get the following error returned.:

ErrorMsg: SQLState: (07002) NativeError: [0] Message: [Microsoft][ODBC SQL Server Driver]COUNT field incorrect or syntax error

Can anyone see what I am doing wrong? I think it is to do with the way I am using the `%Stream.GlobalCharacter?` Any help is much appreciated.

Class generated by linked procedure wizard:

```
Include %occInclude
///
Class dbo.spTIETest [ Not ProcedureBlock ]
{

ClassMethod spTIETest(ObjectName As %String(MAXLEN=200), NamespaceName As
%String(MAXLEN=50), CacheVersion As %String(MAXLEN=500), RawData As
%Stream.GlobalCharacter) As %Integer [ ProcedureBlock = 1,
ReturnResultsets, SqlName = spTIETest, SqlProc ]
{
    if '$isobject($g(%sqlcontext)) s %sqlcontext=##class(
%Library.ProcedureContext).%New() s RETURNVALUE=$g(RETURNVALUE)
    s ObjectName=$g(ObjectName)
    s NamespaceName=$g(NamespaceName)
    s CacheVersion=$g(CacheVersion)
    s RawData=$g(RawData)
    s hdbc=$$GetConnection^%apiGTW("TestTIEUserProd")
    if hdbc="" { set %msg=$$$ERROR($$$GTWCConnectionError),%msg=$$
GetErrorText^%apiOBJ(%msg) goto setError }
    s QHandle=$zf(-5,%SQLGateway,5,hdbc)
    if QHandle="" { set %msg=$$$ERROR($$$GTWCAllocationError),%msg=$$
GetErrorText^%apiOBJ(%msg) goto setError }
    s err=$zf(-5,%SQLGateway,$s(%SQLGateway("-uv")):37,1:3),QHandle,
"{?=call dbo." "spTIE_InsertTIE_OBJECT_EXPORT" "(?, ?, ?, ?)}")
    i err g setError
    s err=$zf(-5,%SQLGateway,62,QHandle,1,4,1,4,10,0,10)
    s err=$zf(-5,%SQLGateway,62,QHandle,2,1,1,12,200,0,200)
    s err=$zf(-5,%SQLGateway,9,QHandle,$lb(ObjectName),2)
    i err g setError
    s err=$zf(-5,%SQLGateway,62,QHandle,3,1,1,12,50,0,50)
    s err=$zf(-5,%SQLGateway,9,QHandle,$lb(NamespaceName),3)
    i err g setError
    s err=$zf(-5,%SQLGateway,62,QHandle,4,1,1,12,500,0,500)
```

```
s err=$zf(-5,%SQLGateway,9,QHandle,$lb(CacheVersion),4)
i err g getError
s err=$zf(-5,%SQLGateway,62,QHandle,5,1,$s(%SQLGateway("-uv"))&&$zbitget(
$zversion(0),1):-8,1:1),12,0,0,-2)
s err=$zf(-5,%SQLGateway,4,QHandle)
i err=99 s lerr=$zf(-5,%SQLGateway,55,QHandle) s err=$li(lerr)
i err=99 s err=$$setStream^%apiGTW(QHandle,RawData,0,1)
i err g getError
s %ROWCOUNT=$zf(-5,%SQLGateway,31,QHandle)
set tConnection = ##class(
%Library.SQLGatewayConnection).%New() set tConnection.DLLHandle =
%SQLGateway, tConnection.ConnectionHandle = hdbc
set rrs = ##class(%SQL.Gateway.ODBCResultSet).%New(tConnection,QHandle)
while $isobject(rrs) {
  if rrs.%GetMetadata().columnCount do %sqlcontext.AddResultSet(##class(
%ResultSet.Static).%New(rrs))
  set rrs = tConnection.getNextResultSet(QHandle)
}
s RETURNVALUE=$li($zf(-5,%SQLGateway,22,QHandle,1))
setError ;
If ($g(%sqlcontext)'=$$$NULLLOREF) {
  Set %sqlcontext.%SQLCODE = $g(err)
  Set %sqlcontext.%Message = $g(%msg)
  Set %sqlcontext.%ROWCOUNT = $g(%ROWCOUNT)
  w "ErrorMsg: "_%sqlcontext.%Message,!
}
s err=$zf(-5,%SQLGateway,16,QHandle)
QUIT $g(RETURNVALUE)
getError ;
set %msg=$li($zf(-5,%SQLGateway,12,hdbc,QHandle)) goto setError
}
}
```

Code I am using to call the method from terminal:

```
Set OBJECT = "UHSM.LPI.LinkedTable.LPIGPPpractice"
Set NAMESPACE = "WYTTEST"
Set CACHEVERSION =
"Cache for Windows (x86-64) 2017.2.1 (Build 801U) Wed Dec 6 2017 09:07:51 EST"
Set RAWDATA = ##class(%Stream.GlobalCharacter).%New()
Do RAWDATA.Write("RawData")
Set sc = ##class(dbo.spTIETest).%spTIETest(OBJECT,NAMESPACE,CACHEVERSION,.RAWDATA)
```

Thanks,

Graham

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