

Re: SqlXml MemoryStream Bulk Load Errors

Source:

<http://www.tech-archive.net/Archive/SOL-Server/microsoft.public.sqlserver.xml/2005-06/msg00026.html>

- *From:* "Bertan ARI [MSFT]" <bertan@xxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 2 Jun 2005 04:43:16 -0700
-

I don't think I understand the error properly. I guess you are getting a build error.

>From code, I see that you are hitting the issue that you need to create a special stream that will implement COM IStream interface. Here is an article on it:

<http://msdn.microsoft.com/xml/default.aspx?pull=/library/en-us/dnsql90/html/exchsqlxml.asp>

It explains how to create a wrapper Stream that will make Bulkload work ..Net.

"LvBohemian" <LvBohemian@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:45ADCDD6-FB8E-44D9-A818-1C899A6E82FA@xxxxxxxxxxxxxxxxxxxx

> //I get this error:

> ...Argument '1': cannot convert from 'System.IO.MemoryStream' to
> 'SomeDll.SomeClass.MemoryStream'

>

>

> //when calling this method

>

> private void btnBulkSqlLoad_Click(object sender, System.EventArgs e)

> {

> int intReturn = 0;

> FileStream fs = new FileStream(@"C:\XMLData\LogDetails.xml",

> FileMode.Open);

> MemoryStream ms = new MemoryStream(System.Convert.ToInt32(fs.Length));

> StreamWriter sw = new StreamWriter(ms, new UTF8Encoding());

> sw.Write(fs);

> sw.Flush();

>

> SomeDll.SomeClass obj = new SomeDll.SomeClass()

> intReturn = obj.DoBulkInsert(ms);

> }

>

> //which calls this method

> public void DoBulkInsert(System.IO.MemoryStream pMs)

> {

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```
> SqlXmlMemoryStream = pMs;
> Thread bulkLoad = new Thread( new ThreadStart( LoadData ) );
> bulkLoad.ApartmentState = ApartmentState.STA;
> bulkLoad.Start();
> }
>
> // Load data
> public void LoadData()
> {
> string strConnection =
> ConfigurationSettings.AppSettings["SqlXmlCon"];
> string strSchema = ConfigurationSettings.AppSettings["Xdr"];
> string strErrorFile = ConfigurationSettings.AppSettings["SqlXmlErr"];
>
> try
> {
> string schemaName = strSchema;
> int i = System.Convert.ToInt32(SqlXmlMemoryStream.Length);
> byte[] dataBytes = new byte[i];
> SqlXmlMemoryStream.Position = 0;
> UCOMIStream dataStream;
> CreateStreamOnHGlobal( 0, true, out dataStream );
> int count = SqlXmlMemoryStream.Read(dataBytes, 0, i);
> dataStream.Write(dataBytes, count, System.IntPtr.Zero);
> dataStream.SetSize( i );
> SQLXMLBULKLOADLib.SQLXMLBulkLoad3Class objBL = new
> SQLXMLBULKLOADLib.SQLXMLBulkLoad3Class();
> objBL.XMLFragment = true;
> objBL.ConnectionString = strConnection;
> objBL.ErrorLogFile = strErrorFile;
> objBL.KeepIdentity = false;
> objBL.Execute(schemaName, dataStream);
> }
>
> //Catch all SQL XML Bulk Load API Exceptions
> catch (SqlXmlException SqlXmlEx)
> {
> //omitted...
> }
>
> //Catch all COM Exceptions
> catch(COMException ComEx)
> {
> //omitted...
> }
>
> //Catch all other Exceptions
> catch (Exception Ex)
> {
> //omitted...
> }
```

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```
>
> finally
> {
> //omitted...
> }
> }
>
> //property used by method
> private MemoryStream m_MemoryStream;
>
> public MemoryStream SqlXmlMemoryStream
> {
> get
> {
> return m_MemoryStream;
> }
> set
> {
> m_MemoryStream = value;
> }
> }
>
>
> //Calling LoadData directly and using a xml file instead of a stream works
> fine...
> //Comments, suggestions?
> //thanks in advance.
>
```

- **Follow-Ups:**

- ◆ **[Re: SqlXml MemoryStream Bulk Load Errors](#)**

◇ From: LvBohemian

- **References:**

- ◆ **[SqlXml MemoryStream Bulk Load Errors](#)**

◇ From: LvBohemian

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