

Re: Import XML from Command-Line into SQL

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.xml/2004-08/0163.html>

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I'd probably create a mapping schema and a VB Script that uses the SQL XML

Bulk Load component to bulk load the data. Download SQLXML

(<http://www.microsoft.com/downloads/details.aspx?familyid=4c8033a9-cf10-4e22-8004-477098a407ac&displaylan>

and have a look at the documentation. Here's a simple example to get you

started (It loads data into the Categories and Products tables in the

Northwind database):

XML file (Catalog.xml):

```
<?xml version="1.0" ?>
<Catalog>
  <Category CategoryID="99">
    <CategoryName>Scottish Foods</CategoryName>
    <Description>Traditional food from Scotland</Description>
    <Product ProductID="101">
      <ProductName>Porridge</ProductName>
      <UnitPrice>16</UnitPrice>
    </Product>
    <Product ProductID="102">
      <ProductName>Haggis</ProductName>
      <UnitPrice>19</UnitPrice>
    </Product>
  </Category>
  <Category CategoryID="100">
    <CategoryName>Scottish Drinks</CategoryName>
    <Description>Traditional drinks from Scotland</Description>
    <Product ProductID="103">
      <ProductName>Single Malt Whisky</ProductName>
      <UnitPrice>100</UnitPrice>
    </Product>
  </Category>
</Catalog>
```

Schema file (Catalog.xsd):

```
<?xml version="1.0" ?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:sql="urn:schemas-microsoft-com:mapping-schema">
  <xsd:element name="Catalog" sql:is-constant="1">
```

```

<xsd:complexType>
  <xsd:sequence>
    <xsd:element name="Category" sql:relation="Categories">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="CategoryName" type="xsd:string"
            sql:field="CategoryName"
            sql:datatype="nvarchar(15)" />
          <xsd:element name="Description" type="xsd:string"
            sql:field="Description" sql:datatype="ntext" />
          <xsd:element name="Product" sql:relation="Products">
            <xsd:annotation>
              <xsd:appinfo>
                <sql:relationship parent="Categories"
                  parent-key="CategoryID"
                  child="Products"
                  child-key="CategoryID" />
              </xsd:appinfo>
            </xsd:annotation>
          <xsd:complexType>
            <xsd:sequence>
              <xsd:element name="ProductName" type="xsd:string"
                sql:field="ProductName"
                sql:datatype="nvarchar(40)" />
              <xsd:element name="UnitPrice" type="xsd:decimal"
                sql:field="UnitPrice" sql:datatype="money"
                />
            </xsd:sequence>
            <xsd:attribute name="ProductID" type="xsd:integer"
              sql:field="ProductID" sql:datatype="int" />
          </xsd:complexType>
        </xsd:element>
      </xsd:sequence>
      <xsd:attribute name="CategoryID" type="xsd:integer"
        sql:field="CategoryID" sql:datatype="int" />
    </xsd:complexType>
  </xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:schema>

```

VB Script:

```

Set objBulkLoad = CreateObject("SQLXMLBulkLoad.SQLXMLBulkLoad")
objBulkLoad.ConnectionString = _
  "provider=SQLOLEDB;Server=(local);database=Northwind;" & _
  "Integrated Security=SSPI;"
objBulkLoad.Execute "Catalog.xsd", "Catalog.xml"
Set objBulkLoad = Nothing
MsgBox "Catalog Imported"

```

Hope that helps,
Graeme

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Graeme Malcolm
Principal Technologist
Content Master Ltd.
www.contentmaster.com
"Sean" <sean_cottrell@hotmail.com> wrote in message
news:aadd01c4888c\$71c28930\$a501280a@phx.gbl...

HI,

I am try to accomplish the following:

Every day I will get a random number of XML files with a random number of row entries. each of these files will have a different file name but be in a specific file name format such as file1.xml,file2.xml, etc. These files will be "dumped" to a network drive at random times. We already have a program written that will monitor this directory and when I file gets "dumped" into it, will fire of a script.

I am looking for the best way to take each of these .xml files and import them into a MS SQL Table. The files are very simple containing only 9 columns per row of data. Also, we would prefer that this script execute from a remote server other than the server that is running MS SQL.

Can anybody suggest the best way to do this?