

Joining Excel Database with MSDE Database Table, & Import

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.msde/2004-02/0598.html>

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My primary objective is to link an Excel worksheet with an SQL table, and then update the LOG_SOURCE column of the SQL table with the values from the Excel worksheet (using ITEMNO as the link). I'd like to consolidate the following code or simplify the entire process, if possible. Here is a brief description of my actual data:

Excel File name = inventory.xls

File location = C:\Documents and Settings\POS\Desktop\inventory.xls

Excel current worksheet sample (both columns are 16 character fields):

```
ITEMNO LOG_SOURCE
A1 13110 B1 White 3 Ring
A2 13111 B2 White 3 Ring
A3 13112 B3 09/09/03
A4 13113 B4 09/09/03
A5 13114 B5 09/09/03
```

SQL Table Name = ITEMS

SQL current table sample (both columns are 16 character fields):

```
ITEMNO LOG_SOURCE
13110
13111
13112
13113
13114
```

I apologize in advance for my limited SQL experience, but here is the code that I've collected thus far to perform the link:

```
EXEC sp_addlinkedserver 'ExcelSource',
'Jet 4.0',
'Microsoft.Jet.OLEDB.4.0',
'C:\Documents and Settings\POS\Desktop\inventory.xls',
NULL,
'Excel 5.0'
```

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(not sure what I should change Excel version name to if I'm using Microsoft Office Excel 2003)

```
EXEC sp_addlinkedrvlogin 'ExcelSource', 'false'
```

```
EXEC sp_tables_ex ExcelSource  
EXEC sp_columns_ex ExcelSource
```

```
SELECT *  
FROM ExcelSource...Sheet1$
```

```
CREATE TABLE test_excel  
(id int,  
name varchar(255))  
GO
```

```
INSERT INTO test_excel  
SELECT *  
FROM ExcelSource...Sheet1$
```

```
SELECT *  
FROM test_excel
```

```
/* Now define two ranges in Excel on the 2nd sheet as tables */  
/* Select the range, Insert->Name->Define */  
/* Note: sp_tables_ex does not recognize the defined tables */  
/* We can still refer to the tables explicitly */
```

```
EXEC sp_tables_ex ExcelSource  
EXEC sp_columns_ex ExcelSource
```

```
SELECT *  
FROM ExcelSource...Table1
```

```
SELECT *  
FROM ExcelSource...Table2
```

(I wonder if I could avoid defining table ranges to save a step or two and simply use column ranges –in other words, what commands could we eliminate by using Sheet1 A1:A5 & Sheet1 B1:B5 ?)

(what part of your code triggers the actual update of the SQL server's LOG_SOURCE column with the Excel values?)

Here is the code I've collected thus far to perform the update:

```
update Items set log_source = t1.log_source
```

```
update items  
set  
items.LOG_SOURCE = t1.LOG_SOURCE  
from t1  
inner join Items
```

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on items.ItemNo = t1.ItemNo

Also, does DTS come as part of MSDE & if so, how do I access it? Would I save any time by using DTS rather than the procedures above?

Thank you in advance for your time and expertise.