FLUKE®

Using SQL to import Excel CSV files daily

Application Note
For Advanced Users ONLY

Problem

The customer has a Field (I4247 - defined as Department) that has Merge Information that needs to be updated with new information from an Excel file on a regular basis (Once a day to once every two weeks).

Calibration Lab receives this new Excel file from HR/Quality Dept every so often, giving Point of Contact for department; New Phone number; New Pager; Manager; Manager's Phone; etc.
The Merge table for Field 4247 needs to be updated with the new information from the Excel sheet.

Solution

First, save the Excel worksheet as a CSV file (Comma Separated Variables). Then Create a SQL script that is launched from a Shortcut to update all changed items. Create a shortcut with the following in the target line:

Note: that the paths below shows the default MT password "pwd=mt" your path should reflect your actual mt level password.

The path for version 6.11A would be

"C:\sqlany50\win32\isql.exe" -c "dsn= Calibration Data;UID=mt;PWD=mt"
C:\Update_Mrg4247.sql

The path for Version 7.00 would be

"C:\sybase\SQL Anywhere 8\win32\dbisql.exe" -c "dsn= Calibration Data;UID=mt;PWD=mt"
C:\Update_Mrg4247.sql

The SQL File

Use a text editor to create the following file and save as **Update_Mrg4247.sql.**

```
// Create a new table for importing the excel file into
Create Global Temporary Table Mrg4247_tmp
        (
// add all the columns, types of columns, and length of column
      Department_tmp Char(30),
      Department_Name_tmp Char(30),
      WWID_tmp Char(8),
      Coordinator_tmp Char(30),
      Phone_tmp Char(8),
      Pager_tmp Char(8),
      Contact_Mail_Stop_tmp Char(12),
      Manager_tmp Char(30)
      );

// input data from Comma Separated File (*.csv) into the temporary
table.
//  NOTE: you must name this file accordingly
input into Mrg4247_tmp from 'D:\Full Coord List1.csv';
//Update the Merge table 'Mrg4247' with the new information from the
temporary // table.
update Mrg4247 set


// fields that you want updated
      "Mrg4247"."Name" = "Mrg4247_tmp"."Department_Name_tmp",
      "Mrg4247"."wwid" = "Mrg4247_tmp"."WWID_tmp",
      "Mrg4247"."Key_Contact" = "Mrg4247_tmp"."Coordinator_tmp",
      "Mrg4247"."Phone" = "Mrg4247_tmp"."Phone_tmp",
      "Mrg4247"."Pager" = "Mrg4247_tmp"."Pager_tmp",
      "Mrg4247"."Contact_Mail_Stop" =
"Mrg4247_tmp"."Contact_Mail_Stop_tmp",
      "Mrg4247"."Manager" = "Mrg4247_tmp"."Manager_tmp"
// from the temporary table we created.
from Mrg4247_tmp
//where "Mrg4247"."Merge" = "Mrg4247_tmp"."Merge_tmp";
where "Mrg4247"."Merge" = "Mrg4247_tmp"."Department_tmp";

//delete temporary table when we are done
drop Table Mrg4247_tmp;


NOTE: Your CSV file must be in the same order as the fields in your SQL
statement.
```

**Any questions will using the application note please contact metsupport@fluke.com
Or call 1.800.825.7411**