using Microsoft.SharePoint.Client;

using System;

using System.Collections.Generic;

using System.Configuration;

using System.Data.SqlClient;

using System.Linq;

namespace UpdateATTUIDs

{

class Program

{

private static readonly log4net.ILog log = log4net.LogManager.GetLogger(System.Reflection.MethodBase.GetCurrentMethod().DeclaringType);

private static string sqlConn;

static void Main(string[] args)

{

log4net.Config.XmlConfigurator.Configure(); // start logging

log.Info(string.Format("Application Started. {0}", DateTime.Now));

string SmtpServer = ConfigurationManager.AppSettings["SmtpServer"].ToString();

string EmailFrom = ConfigurationManager.AppSettings["EmailFrom"].ToString();

string EmailTo = ConfigurationManager.AppSettings["EmailTo"].ToString();

string Subject = ConfigurationManager.AppSettings["EmailSubject"].ToString();

sqlConn = ConfigurationManager.ConnectionStrings["SqlConn"].ConnectionString;

ClientContext context = null;

List list;

CamlQuery query;

ListItemCollection items;

ListItem item = null;

List<ListItem> itemList;

System.Text.StringBuilder sb = new System.Text.StringBuilder();

try

{

string url = ConfigurationManager.AppSettings["SiteUrl"].ToString();

string listado = ConfigurationManager.AppSettings["ListTitle"].ToString();

string ListView = ConfigurationManager.AppSettings["ListView"].ToString();

context = new ClientContext(url);

list = context.Web.Lists.GetByTitle(listado);

context.Load(list);

context.ExecuteQuery();

View view = list.Views.GetByTitle(ListView);

context.Load(view);

FieldCollection fields;

List<Field> fieldList;

Field field;

fields = list.Fields;

context.Load(fields, collection => collection.Include(f => f.Title, f => f.InternalName));

context.ExecuteQuery();

fieldList = fields.ToList();

query = new CamlQuery();

query.ViewXml = query.ViewXml = "<View><Query><Where><And><Gt><FieldRef Name='Created' /><Value Type='DateTime'><Today OffsetDays=\"-25\" /></Value></Gt><IsNull><FieldRef Name='ATTUID' /></IsNull></And></Where></Query></View>";

items = list.GetItems(query);

context.Load(items);

context.ExecuteQuery();

itemList = items.ToList();

int numer = itemList.Count;

log.Info("Checking " + numer.ToString() + " records without ATTUID");

foreach (ListItem item2 in itemList)

{

string ID = item2["ID"].ToString();

field = fieldList.Where(f => f.Title == "Employee ID").FirstOrDefault();

string EMPLID = item2[field.InternalName].ToString();

field = fieldList.Where(f => f.Title == "FGID").FirstOrDefault();

var FGID = item2[field.InternalName];

if (FGID != null)

{

string FGID2 = FGID.ToString();

// GET ATTUID FROM FIELDGLASS REPORT

string ATTUID = DataAccessGeneral.Class1.GetFieldGlassATTUID(FGID2, sqlConn);

if (ATTUID != "")

{

try

{

log.Info("UPDATE " + FGID + " ATTUID= " + ATTUID + " EMPLID = " + EMPLID);

field = fieldList.Where(f => f.Title == "ATTUID").FirstOrDefault();

item2[field.InternalName] = ATTUID;

field = fieldList.Where(f => f.Title == "Status").FirstOrDefault();

item2[field.InternalName] = "Requested";

field = fieldList.Where(f => f.Title == "Comments").FirstOrDefault();

item2[field.InternalName] = "";

item2.Update();

context.ExecuteQuery(); // to commit

sb.Append("<tr>");

sb.Append("<td>" + EMPLID + "</td>");

sb.Append("<td>" + ATTUID + "</td>");

sb.Append("<td>" + FGID + "</td></tr>");

}

catch(Exception es)

{

string msgErr = "Error when updating sharepoint for EmpID = " + EMPLID ;

DataAccessGeneral.Class1.Sending(msgErr, SmtpServer, EmailFrom, Subject, EmailTo);

}

}

else

{

// attuid not found

}

}

}

}

catch (Exception ex)

{

log.Error(ex);

if (context != null)

context.Dispose();

DataAccessGeneral.Class1.Sending("Sharepoint error "+ex.ToString(), SmtpServer, EmailFrom, Subject, EmailTo);

}

if (context != null)

context.Dispose();

string MsgSend = sb.ToString();

if (MsgSend != "")

{

MsgSend = "Updated </br></br><table><thead><th>Employee ID</th><th>ATTUID</th><th>FGID</th></thead><tbody>" + MsgSend + "</ tbody ></ table > ";

DataAccessGeneral.Class1.Sending(MsgSend, SmtpServer, EmailFrom, Subject, EmailTo);

}

}

public static Boolean UpdateATTUID\_DB(string ATTUID, string EmplID)

{

try

{

SqlConnection sqlcon = new SqlConnection(sqlConn);

sqlcon.Open();

SqlCommand sqlCommand = new SqlCommand();

sqlCommand.Connection = sqlcon;

sqlCommand.CommandText = "ATT\_UpdateATTUID";

sqlCommand.CommandType = System.Data.CommandType.StoredProcedure;

sqlCommand.Parameters.AddWithValue("@ATTUID", ATTUID);

sqlCommand.Parameters.AddWithValue("@EMPLID", EmplID);

sqlCommand.ExecuteNonQuery();

sqlcon.Close();

}

catch (Exception ws)

{

log.Error(ws.ToString());

return false;

}

return true;

}

}

}