Schematisch overzicht van LIMS/UPDWEIGHT-procedure INTERSPEC-SAP-Interface

Task that sends the daily calculated/changed weights to SAP

Type: Execuatable (Task) Location: \limsclient\c$\Batch  
Maintainer: Wilfred Geerlings  
Info:  
UpdWeights.dproj : Project file for creating the task

UpdWeights.dpr

UpdWeight.pas

Application.Initialize;

Application.CreateForm(TsvUpdatePG, svUpdatePG);

Application.CreateForm(TdmPibsToIS, dmPibsToIS);

Application.CreateForm(TdmInterspecSap, dmInterspecSap);

Application.Run;

upDWeight.dfm  
Object **dmUpdateWeights**  
**acInterspec: OraOLEDB: IS61 INTERSPEC**-aqSpecificationWeight  
-aqSpecificationWeightUpd  
**acEnsprod:** IBMDA400: Rossi001 **/ IS61: INTERSPEC**-aqArticlesHu (nw: **DBA\_VW\_CRRNT\_SAP\_WEIGHT)**  
-aqArticlesEns (nw: **DBA\_VW\_CRRNT\_SAP\_WEIGHT)**

[Config]  
[SAP]  
[DbInterspec]  
[DbPG]  
[Email]

UpdWeights.ini

UpdWeights.dproj

AqArticlesHu select kmgkod,artkod, arwght from $lib.$**tablename**   
 where kmgkod=:kmg

AqArticlesEns select kmgkod,artkod, arwght from $lib.$**tablename**   
where kmgkod=:kmg

**$lob.$table\_name = ‘SQL17:AS400\_EN/HU.xpp0001.artgew’ of ‘interspec.DBA\_VW\_CRRNT\_SAP\_WEIGHT’**

AqSpecificationWeight SELECT \* FROM AvSpecification\_Weight

WHERE KmgKod = :kmg AND Status\_Type = '#39'CURRENT'#39)

AqSpecificationWeightUpd SELECT \* FROM AvSpecification\_Weight

WHERE Status <> 0)

Conclusie: De TABEL interspec.AVSPECIFICATION\_WEIGHT blijft gewoon bestaan !!!.   
Onze nieuwe tabel met gewichtsberekeningen is GEEN vervanging van deze tabel, MAAR een vervanging van de waardes uit de **$lib.artgew**-tabel !!!!

VRAAG: deze $lib.artgew-tabel komt echter voor Enschede in SQL17.AS400\_EN voor, maar voor Hungary in SQL17.AS400\_HU !!!. De UPDWEIGHTS draait dus voor ENSCHEDE/HUNGARY apart, dus 2x. Zien we ook hierboven terug in 2 QUERIES, speciaal voor Enschede, en voor Hungary !!

**Dus: gewichten moeten goed berekend zijn VOORDAT de job UpdWeights gaat draaien !!!!  
(= dagelijks om 05:30 uur !!!)**

**De NIEUWE view: DBA\_VW\_CRRNT\_SAP\_WEIGHT bevat zelfde kolom-namen als bij de $artgew-tabellen. Alle overige kolommen zijn voor de interface overbodig, maar voor beheer ervan handig !!!**

View: DBA\_VW\_CRRNT\_SAP\_WEIGHT  
COMP\_TYPE VARCHAR2(9)

PLANT VARCHAR2(100 CHAR)

PART\_NO VARCHAR2(18 CHAR)

REVISION NUMBER

BASE\_UOM VARCHAR2

STATUS\_TYPE VARCHAR2(11 CHAR)

**KMGKOD VARCHAR2(8)**

**ARTKOD VARCHAR2(18 CHAR)**

SAP\_ARTICLE VARCHAR2(40 CHAR)

**ARWGHT NUMBER**

UOM VARCHAR2

DA\_ARTICLE VARCHAR2(40)

ALTERNATIVE NUMBER(2)

ISSUEDDATE VARCHAR2(19)

Huidige UpdWeights.ini

[Sap]

;Url=http://corpspis01.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_Q&receiverParty=&receiverService=&interface=SI\_Uniform\_Weight\_Out&interfaceNamespace=http://apollotyres.com.com/IF117/Interspec/Uniform\_Weight/I\_WS\_APPS

;Username=EC\_PIQ

;Password=welcome11

Url=http://corpspis02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_P&receiverParty=&receiverService=&interface=SI\_Uniform\_Weight\_Out&interfaceNamespace=http://apollotyres.com.com/IF117/Interspec/Uniform\_Weight/I\_WS\_APPS

Username=EC\_PIP

Password=welcome123

;

[DbInterspec]

ConnectionString=Provider=OraOLEDB.Oracle.1;Password=$pwd;Persist Security Info=True;User ID=$user;Data Source="(DESCRIPTION=(ADDRESS\_LIST=(ADDRESS=(PROTOCOL = TCP)(HOST=$server)(PORT=1521)))(CONNECT\_DATA=(SID=$sid)))"

Username=Interspc

Password=moonflower

Server=OracleProd

Database=IS61

;

[DbPG]

ConnectionString=Provider=IBMDA400.DataSource.1;Password=$pwd;Persist Security Info=True;User ID=$user;Data Source=$server

Username=VDCIS001

Password=VDCIS001

Server=ENSPROD

Database5M01=xppoo01da1

Database5500=xddoo01da1

;

[Email]

SmtpServer=172.30.2.5

SmtpSender=updweights@vredestein.com

recipients=teunis.rossingh@vredestein.com

subject=Error during UpdWeights processing

Nieuwe /exe/UpdWeights.ini

[Config]

LogDirectory=c:\Log\UpdWeights

[Sap]

Url=http://corpspos02.apollotyres.com:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BS\_WSAPPS\_Q&receiverParty=&receiverService=&interface=SI\_Uniform\_Weight\_Out&interfaceNamespace=http://apollotyres.com.com/IF117/Interspec/Uniform\_Weight/I\_WS\_APPS

Username=WS\_POQ

Password=welcome16

;

[DbInterspec]

ConnectionString=Provider=OraOLEDB.Oracle.1;Password=$pwd;Persist Security Info=True;User ID=$user;Data Source="(DESCRIPTION=(ADDRESS\_LIST=(ADDRESS=(PROTOCOL = TCP)(HOST=$server)(PORT=1521)))(CONNECT\_DATA=(SID=$sid)))"

Username=Interspc

Password=moonflower

Server=OracleProd

Database=IS61

;

[DbPG]

~~;ConnectionString=Provider=IBMDA400.DataSource.1;Password=$pwd;Persist Security Info=True;User ID=$user;Data Source=$server~~

~~;Username=VDCIS001~~

~~;Password=VDCIS001~~

~~;Server=ENSPROD~~

~~;Database5M01=xppoo01da1~~

~~;Database5500=xddoo01da1~~

~~;Tablename=artgew~~

;

; When using the new table/view 'Tablename' from Interspec: Fields should be called: kmgkod, artkod, arwght

ConnectionString=Provider=OraOLEDB.Oracle.1;Password=$pwd;Persist Security Info=True;User ID=$user;Data Source="(DESCRIPTION=(ADDRESS\_LIST=(ADDRESS=(PROTOCOL = TCP)(HOST=$server)(PORT=1521)))(CONNECT\_DATA=(SID=IS61)))"

Username=Interspc

Password=moonflower

Server=OracleProd

Database5M01=INTERSPC

Database5500=INTERSPC

Tablename=**DBA\_VW\_CRRNT\_SAP\_WEIGHT**

;

[Email]

SmtpServer=mailserver.apollotyres.com

SmtpSender=updweights@apollovredestein.com

recipients=wilfred.geerlings@apollotyres.com

subject=Error during UpdWeights processing

Procedure UpdWeight.pas

function TdmUpdateWeights.Init : boolean;

var

**Tablename**, connectionString, username, password, server, database1, database2 : string;

ini : tIniFile;

ok, error : boolean;

begin

ok := false;

ini := tIniFile.create(stringReplace(paramstr(0), '.exe', '.ini', [rfIgnoreCase]));

try

LogDirectory := ini.ReadString('Config', 'LogDirectory', '');

if LogDirectory <> ''

then SetLogDirectory(LogDirectory, true);

SapUrl := ini.ReadString('Sap', 'Url', '');

SapUsername := ini.ReadString('Sap', 'Username', '');

SapPassword := ini.ReadString('Sap', 'Password', '');

if SapUrl = '' then Errorlog.write('No Sap URL specified')

else if SapUsername = '' then Errorlog.write('No Sap username specified')

else if SapPassword = '' then Errorlog.write('No SapPassword specified')

else ok := true; // ok := true;

connectionString := ini.ReadString('DbInterspec', 'ConnectionString', '');

username := ini.ReadString('DbInterspec', 'Username', '');

password := ini.ReadString('DbInterspec', 'Password', '');

server := ini.ReadString('DbInterspec', 'Server', '');

database1 := ini.ReadString('DbInterspec', 'Database', '');

error := true;

if connectionString = '' then Errorlog.write('No connectionstring for Interspec database specified')

else if username = '' then Errorlog.write('No username for Interspec database specified')

else if password = '' then Errorlog.write('No password for Interspec database specified')

else if server = '' then Errorlog.write('No server for Interspec database specified')

else if database1 = '' then Errorlog.write('No database for Interspec database specified')

else begin

error := false;

connectionString := stringReplace(connectionString, '$user', username, [rfIgnoreCase]);

connectionString := stringReplace(connectionString, '$pwd', password, [rfIgnoreCase]);

connectionString := stringReplace(connectionString, '$server', server, [rfIgnoreCase]);

connectionString := stringReplace(connectionString, '$sid', database1, [rfIgnoreCase]);

acInterspec.Connected := false;

acInterspec.connectionString := connectionString;

end;

if error then ok := false;

connectionString := ini.ReadString('DbPG', 'ConnectionString', '');

username := ini.ReadString('DbPG', 'Username', '');

password := ini.ReadString('DbPG', 'Password', '');

server := ini.ReadString('DbPG', 'Server', '');

database1 := ini.ReadString('DbPG', 'Database5M01', '');

database2 := ini.ReadString('DbPG', 'Database5500', '');

**Tablename** := ini.ReadString('DbPG', **'Tablename'**, 'artgew');

error := true;

if connectionString = '' then Errorlog.write('No connectionstring for PG database specified')

else if username = '' then Errorlog.write('No username for PG database specified')

else if password = '' then Errorlog.write('No password for PG database specified')

else if server = '' then Errorlog.write('No server for Interspec PG database specified')

else if database1 = '' then Errorlog.write('No library for PG plant 5M01 specified')

else if database2 = '' then Errorlog.write('No library for PG plant 5500 specified')

else begin

error := false;

connectionString := stringReplace(connectionString, '$user', username, [rfIgnoreCase]);

connectionString := stringReplace(connectionString, '$pwd', password, [rfIgnoreCase]);

connectionString := stringReplace(connectionString, '$server', server, [rfIgnoreCase]);

acEnsprod.Connected := false;

acEnsprod.connectionString := connectionString;

aqArticlesEns.SQL.Text := stringReplace(aqArticlesEns.SQL.Text, '$tablename', Tablename, [rfIgnoreCase]);

aqArticlesEns.SQL.Text := stringReplace(aqArticlesEns.SQL.Text, '$lib', database1, [rfIgnoreCase]);

aqArticlesHu.SQL.Text := stringReplace(aqArticlesHu.SQL.Text, '$tablename', Tablename, [rfIgnoreCase]);

aqArticlesHu.SQL.Text := stringReplace(aqArticlesHu.SQL.Text, '$lib', database2, [rfIgnoreCase]);

end;

SmtpServer := ini.ReadString('Email', 'SmtpServer', '');

SmtpSender := ini.ReadString('Email', 'SmtpSender', '');

Recipients := ini.ReadString('Email', 'Recipients', '');

Subject := ini.ReadString('Email', 'Subject', '');

if Recipients <> ''

then begin

if SmtpServer = ''

then begin errorlog.write('No SMTP server specified'); Recipients := '' end;

if smtpSender = ''

then begin errorlog.write('No SMTP Sender specified'); Recipients := '' end;

if Subject = ''

then begin errorlog.write('No Email subject specified'); Recipients := ''end;

end;

if error then ok := false;

finally

ini.Free;

end;

result := ok;

end;

procedure tdmUpdateWeights.UpdateGrp(table : tAdoQuery; grp : string; var ready : boolean);

var

article : tArticle;

idx : integer;

n1 : tXmlNode;

begin

if ready then exit;

table.active := false;

table.parameters[0].value := grp;

table.active := true;

while not table.Eof

do begin

article := tArticle.Create;

article.KmgKod := trim(table.FieldByName('KMGKOD').asString);

article.ArtKod := trim(table.FieldByName('ARTKOD').asString);

article.Weight := table.FieldByName('ARWGHT').asFloat;

Articles.addObject(article.KmgKod + article.ArtKod, article);

table.Next;

end;

table.first;

table.Close;

aqSpecificationWeight.active := false;

aqSpecificationWeight.Parameters[0].Value := grp;

aqSpecificationWeight.active := true;

while (not aqSpecificationWeight.Eof) and (XmlNode.nodes.Count < 250)

do begin

if articles.Find(grp + trim(aqSpecificationWeight.Fields[6].AsString), idx)

then begin

article := Articles.Objects[idx] as tArticle;

**if (round(100000 \* article.Weight) <> round(100000 \* aqSpecificationWeight.Fields[8].AsFloat))**

then begin

inc(Line);

Log.write(grp + #9 + article.artkod +

#9 + floatToStr(aqSpecificationWeight.Fields[8].AsFloat) +

#9 + floatToStr(article.weight));

aqSpecificationWeight.Edit;

aqSpecificationWeight.Fields[8].AsFloat := article.Weight;

aqSpecificationWeight.Fields[10].AsInteger := Line;

if (XmlNode <> nil) and (aqSpecificationWeight.Fields[8].AsFloat > 0)

then begin

n1 := tXmlNode.create('Article'); XmlNode.AddNode(n1);

n1.AddNode(tXmlNode.create('Line', intToStr(Line)));

n1.AddNode(tXmlNode.create('Plant', aqSpecificationWeight.Fields[0].AsString));

n1.AddNode(tXmlNode.create('ArticleCode', aqSpecificationWeight.Fields[7].AsString));

n1.AddNode(tXmlNode.create('Weight', aqSpecificationWeight.Fields[8].AsString));

n1.AddNode(tXmlNode.create('UoM', aqSpecificationWeight.Fields[9].AsString));

if (trim(aqSpecificationWeight.Fields[11].AsString) <> '') and

(aqSpecificationWeight.Fields[0].AsString = '5M01')

then begin

n1 := tXmlNode.create('Article'); XmlNode.AddNode(n1);

n1.AddNode(tXmlNode.create('Line', intToStr(Line)));

n1.AddNode(tXmlNode.create('Plant', aqSpecificationWeight.Fields[0].AsString));

n1.AddNode(tXmlNode.create('ArticleCode', aqSpecificationWeight.Fields[11].AsString));

n1.AddNode(tXmlNode.create('Weight', aqSpecificationWeight.Fields[8].AsString));

n1.AddNode(tXmlNode.create('UoM', aqSpecificationWeight.Fields[9].AsString));

end;

end;

aqSpecificationWeight.Post;

end;

end;

aqSpecificationWeight.Next;

end;

ready := aqSpecificationWeight.Eof;

aqSpecificationWeight.active := false;

for idx := articles.Count -1 downto 0

do begin

if Articles.Objects[idx] <> nil

then Articles.Objects[idx].Free;

Articles.delete(idx);

end;

end;

WIJZIGINGEN TBV TABLE-NAME

**Added a tablename ini item to be able to switch to another table for the source weights**

- Switched from Fields[0,1,2] to FieldByName(KMGKOD, ARTKOD, ARWGHT) to support different source tables structures

UpdWeight.dfm

Afbeelding met tekst

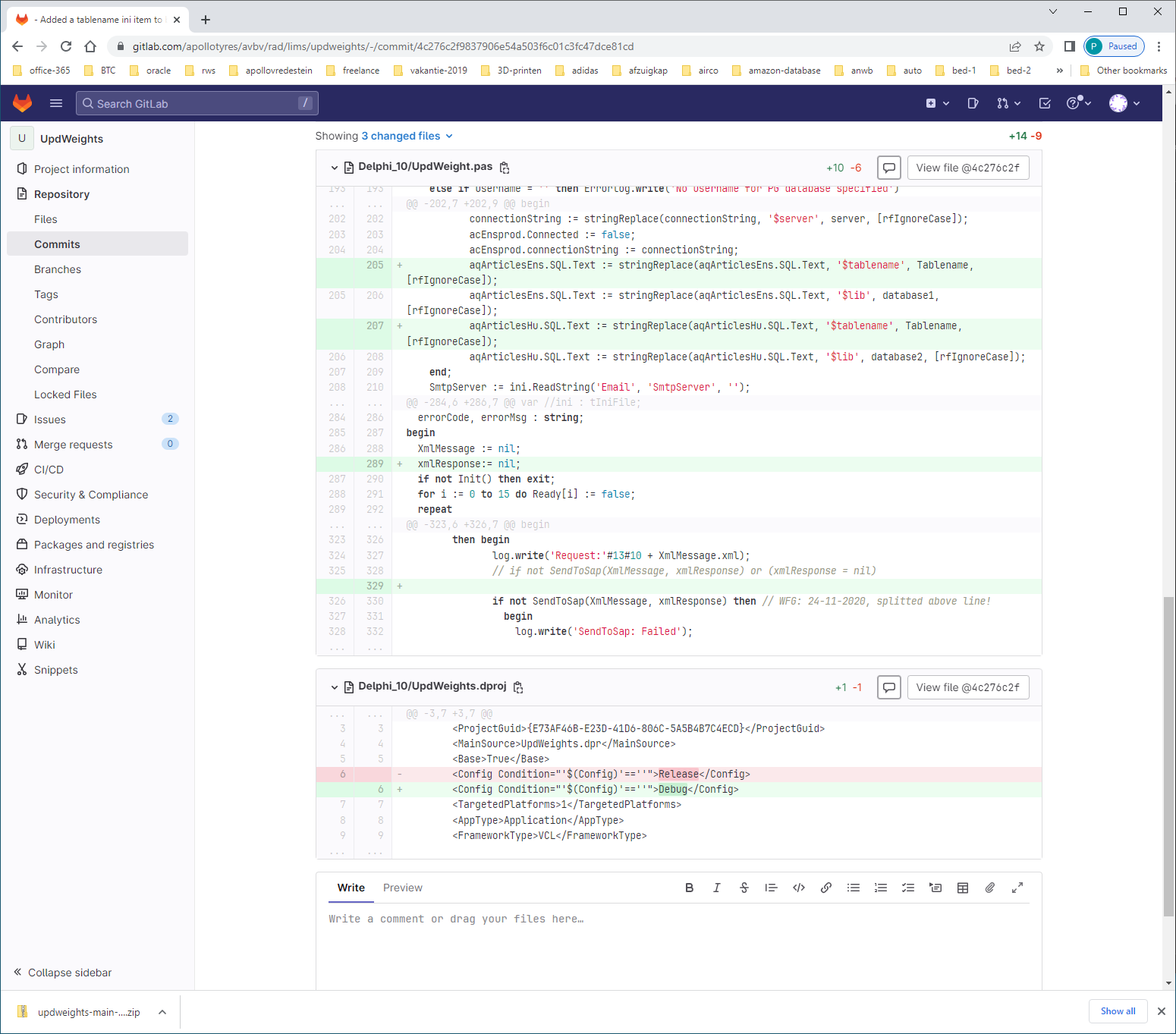
Automatisch gegenereerde beschrijving

**Oorspronkelijke gewichten zaten in tabel: $lib.artgew !!!!!! Is nu variabel gemaakt via INI-file !!!**

UpdWeight.pas

Afbeelding met tekst

Automatisch gegenereerde beschrijving



Afbeelding met tekst, monitor, binnen, scherm

Automatisch gegenereerde beschrijving