Front Office PO To Oracle Adapter

User Guide

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1.0 Introduction

The Front Office PO To Oracle Adapter takes configurable data from a request and creates SQL insert statements for Oracle.

1.1 Installation

The application is a Microsoft .NET Web application (Version 4), requiring IIS 5.1+, .Net 4 can be downloaded here if required: http://www.microsoft.com/download/en/details.aspx?id=17718

Note: If installing on IIS7 ensure that Role Services for 'IIS 6 Management Compatibility' is checked in Server Manager, and that the application pool selected has "Enable 32-Bit Applications" set to true.

To install:

- log in on the target installation server with administrator privileges
- Extract the files from the zip file into a temporary folder
- Using Windows explorer open the temporary folder, then run setup.exe
- Click the next button
- Set the virtual directory (default FrontOfficePOToOracleAdapter)
- Set the target application pool (ASP.NET v4 on IIS7). Create a new app pool on server 2003/XP.
- Click the next button, then again to start the installation
  - Grant the NETWORK SERVICE account (or account that the selected application pool runs under) "Full Control" rights to: \inetpub\wwwroot\<selected virtual directory>\logs

1.2 Oracle Components Installation

On the same server as the accelerator is installed, Install 32-bit Oracle Data Access Components (ODAC) version 11.2, download from here:

http://www.oracle.com/technetwork/topics/dotnet/utilsoft-086879.html

You may get a warning saying that Visual Studio is required, ignore and carry on.

2.0   Configuration

2.1   Edit the xml configuration file

Using an XML editor open up the configuration file found in \inetpub\wwwroot\<selected virtual directory>\xml\FulfilmentConfiguration.xml.

Repeat (and edit) the following block of xml for each request type to be supported:

```xml
<FulfilmentConfig>
    <RequestTypeCode>BASKET</RequestTypeCode>
    <GetNextMessageIDSql>select Get_Next_Message_Id__() from dual</GetNextMessageIDSql>
    <Header>
      <SQL>INSERT INTO in_message_tab</SQL>
      <Mappings>
        <Map>
           <Type>N</Type>
           <SQLFieldName>MESSAGE_ID</SQLFieldName>
           <Source>{**MID**}</Source>
        </Map>
        <Map>
           <Type>S</Type>
           <SQLFieldName>RECEIVER</SQLFieldName>
           <Source>IFSL</Source>
        </Map>
        <Map>
           <Type>S</Type>
           <SQLFieldName>SENDER</SQLFieldName>
           <Source>FRONT OFFICE</Source>
        </Map>
      </Mappings>
    </Header>
    <Lines>
      <LineSQL>INSERT INTO in_message_line_tab</LineSQL>
      <HeaderRecord>
        <Mappings>
          <Map>
             <Type>N</Type>
             <SQLFieldName>MESSAGE_ID</SQLFieldName>
             <Source>{**MID**}</Source>
          </Map>
          <Map>
             <Type>N</Type>
             <SQLFieldName>MESSAGE_LINE</SQLFieldName>
             <Source>1</Source>
          </Map>
          <Map>
             <Type>S</Type>
             <SQLFieldName>NAME</SQLFieldName>
             <Source>HEADER</Source>
          </Map>
          <Map>
             <Type>S</Type>
             <SQLFieldName>C00</SQLFieldName>
             <Source>C01=User, C02 = Location, N03=Front Office Ref no (Primary Key)</Source>
          </Map>
        </Mappings>
      </HeaderRecord>
      <LineRecords>
        <Mappings>
          <Map>
```

```
            <Type>N</Type>
            <SQLFieldName>MESSAGE_ID</SQLFieldName>
            <Source>{**MID**}</Source>
        </Map>
        <Map>
            <Type>N</Type>
            <SQLFieldName>MESSAGE_LINE</SQLFieldName>
            <Source>{**COUNT**}</Source>
        </Map>
        <Map>
            <Type>S</Type>
            <SQLFieldName>C04</SQLFieldName>

<Source>{n:bXML/n:RequestTask/n:Request/n:RequestHeader/n:ClientInfo/n:CostCentre/n:Code}</Source>
        </Map>
        <Map>
            <Type>S</Type>
            <SQLFieldName>C05</SQLFieldName>
            <Source>FIDURL2</Source>
        </Map>
        <Map>
            <Type>N</Type>
            <SQLFieldName>N01</SQLFieldName>
            <Source>{n:ItemPrice/n:UnitNetPrice}</Source>
        </Map>
      </Mappings>
    </LineRecords>
  </Lines>
</FulfilmentConfig>
```

Element	Description
`<RequestTypeCode>`	Code of the request type to be supported by this configuration section
`<GetNextMessageIDSql>`	SQL Statement used to retrieve the next available message id
`<Header>`	Container for header settings
`<SQL>`	Start of SQL statement for header table insert
`<Mappings>`	Container for header mappings
`<Map>`	Container for Map element
`<Type>`	The data type of the field, N = Numeric, S = String, D = Date
`<SQLFieldName>`	Name of the target sql field
`<Source>`	The source of the target sql field, see note below for information
`<Lines>`	Container for line settings
`<LineSQL>`	Start of SQL statement for line table insert
`<HeaderRecord>`	Container for the line header mappings
`<LineRecords>`	Container for line item mappings
`<Name>`	The name of the column
`<Heading>`	The heading of the column
`<Width>`	The width of the column (in pixels)
`<Type>`	The type of the column (String or Image)

The Source element can be configured in the following ways:

{**MID**} will use the value of the previously retrieved message id

{FIELDCODE} will extract the value of the specified field code

{FIELDCODE\XXXX} will extract the column XXXX from a V7 external list box

{n:bXML….} will run the specified xpath statement over the fulfilment xml

{n:Element….} will run the specified xpath statement over the request item being processed (i.e. just use this for line item data such as Qty, Price etc.)

{**COUNT**} will use the current line count (so just for line items)

Data not enclosed in curly brackets will be used as is, i.e. hardcoded into the insert statement

2.2   Front Office Configuration

2.2.1   Create Adapter

Create a new adapter as below (adjusting server / virtual directory as per install):

2.2.2 Configure request type(s)

For each request type required configure the fulfilment process:
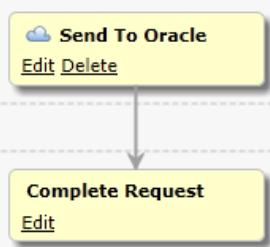
2.2.3 Configure Integration Settings

Create a new integration setting section named exactly "OracleIntegration"

Within the new section create a new setting called ConnectionString

Replace the necessary values to suit the target Oracle installation, HOST, PORT, SERVICE_NAME, User Id & password will need to be updated.