

Maximise Data Migration Validation & Cleansing

Maximise Toolkit

Updated by: Amit Chopra|22nd Sep Aug 2023

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**Circulation List**

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**Reference Documents**

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# Introduction

This document describes some of the data validation and cleansing that a customer needs to perform in their source systems to ensure a successful data migration and cutover to Oracle Cloud. Data cleansing (amending / editing data) is required to identify any incorrect or incomplete data that will fail to migrate and therefore the data requires to be corrected or completed first. This could either be because the data is of ‘bad’ quality in the source system or that the data validation behaves differently between the source system and the Oracle Cloud system. Having clean data will ensure relatively faster data migration cycles and it will also ensure that the data import percentage is higher. Data cleansing is an activity that that a customer can start on day one of the project, and this activity will continue until the customer migrates to Oracle Cloud. The customer needs to clean not just the existing incorrect data in the system, but also needs to ensure that any new data entered as part of business as usual (BaU) activities is also subsequently cleaned before migrating to Oracle Cloud. Version 1’s data migration accelerator ‘Maximise’ could help in identifying the incorrect or incomplete or bad data, however the actual responsibility of cleaning up the data within the source system lies with the customer’s subject matter experts (SMEs). If any data fails to migrate due to data quality issues (lack of data cleansing), then the customer will need to ensure that such data is manually entered in Oracle Cloud. Sometimes where a customer cannot manually clean the data in the source system, then mapping/transformation rules could be defined in Maximise to transform that data to ensure it would successfully migrate to Cloud. The customer should plan for this activity and check on a regular basis to see if the counts of the incorrect data is coming down or not.

The current data validation scripts in Maximise have been developed on Oracle E-Business Suite (EBS) version 12.1.3 using Oracle Cloud 23C. Though these scripts were developed on Oracle EBS 12.1.3, they could still be updated to use with other versions of Oracle EBS. Where the source system is not Oracle EBS, the scripts could still be potentially used by updating them.

# Maximise Data Validation & Cleansing Scripts

Below is a list of data validation and cleansing scripts that are included within Maximise. A brief description of each script is also provided for reference.

## Banks & Branches

* + 1. **Validate Bank Address Data**

This script validates if the mandatory address fields in Cloud have data populated in EBS or not. The Cloud address styles and format configuration must be finalised first.

* + 1. **Validate Bank Branch Address Data**

This script validates if the mandatory address fields in Cloud have data populated in EBS or not. The Cloud address styles and format configuration must be finalised first.

* + 1. **Duplicate Banks Names**

This script selects potentially duplicate banks setup in EBS. Such data may not be easily cleansed in EBS, therefore cleansing can be done offline by the customer when preparing the banks data and using mapping/transformation rules in Maximise.

* + 1. **Duplicate Bank Branches Names**

This script selects potentially duplicate bank branches setup in EBS. Such data may not be easily cleansed in EBS, therefore cleansing can be done offline by the customer when preparing the bank branches data and using mapping/transformation rules in Maximise.

* + 1. **Validate Bank Address List of Values Data**

This script validates if the seeded List of Values for certain address fields in Cloud match that to EBS or not. This script works currently only for three countries – Inda (State field), United States (State field) & Canada (Province field). The Cloud address styles and format configuration must be finalised first.

* + 1. **Validate Bank Branch Address List of Values Data**

This script validates if the seeded List of Values for certain address fields in Cloud match that to EBS or not. This script works currently only for three countries – Inda (State field), United States (State field) & Canada (Province field). The Cloud address styles and format configuration must be finalised first.

## Suppliers

* + 1. **Supplier Name having junk / Invalid characters**

This script identifies if any supplier name has any junk/invalid character. During transform and load Maximise will get rid of such characters.

* + 1. **Supplier Site Name having junk / Invalid characters**

This script identifies if any supplier site name has any junk/invalid character. During transform and load Maximise will get rid of such characters.

* + 1. **Supplier Address data having junk / Invalid characters**

This script identifies if any supplier address data has any junk/invalid character. During transform and load Maximise will get rid of such characters.

* + 1. **Supplier Contact with First Name null or Email Address null or Email address not having ‘@’**

This script identifies if any supplier contact has first name null or email address null or if email address does not have ‘@’ symbol in it.

* + 1. **Identify Supplier Bank Accounts at Supplier Header Level**

This script identifies if any supplier bank accounts exist at supplier header level. As best practice bank accounts should be setup only at supplier site level.

* + 1. **Identify Supplier Bank Accounts at Address Level**

This script identifies if any supplier bank accounts exist at supplier address level. As best practice bank accounts should be setup only at supplier site level.

* + 1. **Identify Supplier Bank Accounts at Address and Operating Unit Level**

This script identifies if any supplier bank accounts exist at supplier address and operating unit level. As best practice bank accounts should be setup only at supplier site level.

* + 1. **bank\_id or branch\_id missing from table iby\_ext\_bank\_accounts**

This script identifies any bank account related data that is corrupted in EBS.

* + 1. **Validate Supplier Address Data**

This script validates if the mandatory address fields in Cloud have data populated in EBS or not. The Cloud address styles and format configuration must be finalised first.

* + 1. **Validate Supplier Address List of Values Data**

This script validates if the seeded List of Values for certain address fields in Cloud match that to EBS or not. This script works currently only for three countries – Inda (State field), United States (State field) & Canada (Province field). The Cloud address styles and format configuration must be finalised first.

* + 1. **Identify Suppliers whose Income Tax Type value is null when Federal Reportable is Y**

This script identifies any suppliers where income tax type (type\_1099) is not setup when they have been setup with federal reportable flag set to Y.

* + 1. **Identify Suppliers where Federal Reportable is set to N but Taxpayer Id is not null**

This script identifies any supplier headers where federal reportable flag is set to No but a value has been entered for field Taxpayer Id.

* + 1. **Identify Suppliers whose Remittance Advice Delivery Method is null however Remittance Email or Remittance Fax is not null**

This script identifies any supplier headers where remittance advice delivery method is not setup but where a remittance email or remittance fax value has been entered.

* + 1. **Identify Supplier Sites whose Remittance Advice Delivery Method is null however Remittance Email or Remittance Fax is not null**

This script identifies any suppliers where remittance advice delivery method is not setup but where a remittance email or remittance fax value has been entered.

* + 1. **Identify Suppliers where Hold Reason cannot be null when the supplier has been applied the hold ‘Purchase Order Hold - All New Orders’**

This script identifies any supplier headers where a hold reason has not been entered when the supplier has been put on a purchase order hold - all new orders.

* + 1. **Suppliers should not have any of the three ‘Hold from Payment’ holds applied**

This script identifies any supplier headers where any of the following three payment holds have been applied.

* All Invoices
* Unmatched Invoices
* Unvalidated Invoices
  + 1. **Identify Supplier Sites where Hold Reason cannot be null when the supplier has been applied any of the three ‘Hold from Payment’ holds**

This script identifies any supplier sites where a hold reason has not been entered when the supplier has been put on any of the following three payment holds.

* All Invoices
* Unmatched Invoices
* Unvalidated Invoices
  + 1. **Duplicate Supplier Address Names**

This script identifies any suppliers having duplicate address names.

* + 1. **Identify Supplier Sites where Address Name is blank**

This script identifies any supplier sites where there address name is blank.

* + 1. **Identify Supplier Sites where Pay Site Flag or Purchasing Site Flag is 'Y' and where RFQ Only Site Flag = 'Y'**

This script identifies any supplier sites where either pay site flag or purchase site flag is Y and also RFQ only site flag is Y. If RFQ only site flag is Y then pay site flag or purchasing site flag cannot be Y.

* + 1. **Identify Suppliers where either Default Reporting Country Name or Default Reporting Registration Number have been entered**

This script identifies any supplier headers where one of these two fields have a value, and the other field is null (Default Reporting Country Name & Default Reporting Registration Number). Oracle recommends that when these two fields are used then both these fields should have a value in them in Cloud.

* + 1. **Identify Supplier Sites where either Default Reporting Country Name or Default Reporting Registration Number have been entered**

This script identifies any supplier sites where one of these two fields have a value, and the other field is null (Default Reporting Country Name & Default Reporting Registration Number). Oracle recommends that when these two fields are used then both these fields should have a value in them in Cloud.

* + 1. **India Localisation - Identify Suppliers where more than one PAN Registration Number has been entered**

This script is specific to India Localisation and identifies any supplier headers where more than one PAN Registration Number has been entered against them.

* + 1. **India Localisation - Identify Supplier Sites where more than one PAN Registration Number has been entered**

This script is specific to India Localisation and identifies any supplier sites where more than one PAN Registration Number has been entered against them.

## AP Invoices

* + 1. **Invoice Header entered with no corresponding lines**

This script identifies any invoices entered but does not have any lines entered against the invoice header.

* + 1. **Unpaid Invoices - not fully validated or not fully accounted**

This script identifies any unpaid invoices that are either not fully validated or not fully accounted.

* + 1. **Unpaid Invoices - on Hold**

This script identifies any unpaid invoices that are on hold.

* + 1. **Unpaid Invoices – having invoice amount as zero (0)**

This script identifies any unpaid invoices whose invoice amount entered is zero (0).

* + 1. **Unpaid Invoices – suppliers having zero (0) balance – invoices & credits net off to zero (0)**

This script identifies suppliers having overall zero (0) balance however have outstanding unpaid invoices and credit memos. The sum of these unpaid invoices and credit memos net off to zero (0).

## Purchase Orders

* + 1. **Purchase Order is Open but the Supplier is Inactive / End Dated**

This script identifies POs that are open but where its supplier is inactive or end dated.

* + 1. **Purchase Order is Open but the Supplier Site is Inactive / End Dated**

This script identifies POs that are open but where its supplier site is inactive or end dated.

* + 1. **Purchase Order is Open but its Project and Task are Closed**

This script identifies POs that are open but where its corresponding project and task is closed.

* + 1. **Purchase Order is Open its Project is Open but its Task is Closed**

This script identifies POs that are open and its project is open, however its corresponding task is closed.

* + 1. **Purchase Order is Open but its Buyer is inactive / ex-employee**

This script identifies POs that are open but where its buyer inactive / ex-employee.

* + 1. **Purchase Order is Open but its Requester is inactive / ex-employee**

This script identifies POs that are open but where its requester inactive / ex-employee.

## Fixed Assets

* + 1. **Assets having Cost as zero (0) and accumulated depreciation as zero (0)**

This script identifies assets whose cost and accumulated depreciation amounts are both zero (0). Though such assets can be migrated to Cloud, the customer should check the validity of such assets in EBS.

## Customers

* + 1. **Customer Account Name having junk / Invalid characters**

This script identifies if any customer account name has any junk/invalid character. During transform and load Maximise will get rid of such characters.

* + 1. **Party Name having junk / Invalid characters**

This script identifies if any party name has any junk/invalid character. During transform and load Maximise will get rid of such characters.

* + 1. **Customer Address data having junk / Invalid characters**

This script identifies if any customer address data has any junk/invalid character. During transform and load Maximise will get rid of such characters.

* + 1. **Validate Customer Address Data**

This script validates if the mandatory address fields in Cloud have data populated in EBS or not. The Cloud address styles and format configuration must be finalised first.

* + 1. **Validate Customer Address List of Values Data**

This script validates if the seeded List of Values for certain address fields in Cloud match that to EBS or not. This script works currently only for three countries – Inda (State field), United States (State field) & Canada (Province field). The Cloud address styles and format configuration must be finalised first.

## Projects

* + 1. **Project is Open - but active Key Member is inactive / ex-employee**

This script identifies projects that are open but where its active key members is inactive / ex-employee.

## Employees

* + 1. **Employee Default Expense Account - ensure each Chart of Account (CoA) segment value is end-dated or disabled**

This script identifies if any employee has any invalid default expense account, where any of the CoA segment value end-dated or disabled.

* + 1. **Employee - Supervisor - ensure there is no circular reference / loop**

This script identifies if any circular reference or loops exists between an employee and its supervisor.

## User Management

* + 1. **User is active however associated employee is inactive / ex-employee**

This script identifies for active users where its associated employee record is inactive / ex-employee.

# Non-Maximise Data Validation & Cleansing Scripts

There are some validations listed below that do not exist in Maximise and the customer needs to refer to the Oracle documentation for these.



## Others

* + 1. **Validate Tax Registration Number**

Customer needs to ensure that the tax registration numbers entered in EBS comply with Cloud’s tax registration number validation logic as described in the below document. Please refer to section ‘Tax Registration Number Validation Logic’.

[**Overview of Tax Registration Number Validation Logic (oracle.com)**](https://docs.oracle.com/en/cloud/saas/financials/23c/faitx/overview-of-tax-registration-number-validation-logic.html#s20077393)

* + 1. **Identify Duplicate Payees in table iby\_external\_payees\_all**

This script identifies any duplicate payees due to data corruption in EBS. There is an Oracle Patch / Generic Data Fix (GDF), details can be found in My Oracle Support. Please refer to below document Ids.

* R12: AP: External Payee Records For Supplier Bank Accounts (Doc ID 1536880.1)
* R12: Generic Data Fix (GDF): Duplicate Payee in IBY\_EXTERNAL\_PAYEES\_ALL (Doc ID 1315812.1
  + 1. **Identify Quantity Billed / Amount Billed Mismatch in Purchase Order Shipments & Distributions**

This script identifies any mismatch in quantity billed / amount billed in PO shipments and distributions due to data corruption in EBS. There is an Oracle Patch / Generic Data Fix (GDF), details can be found in My Oracle Support. Please refer to below document Ids.

* Quantity Billed / Amount Billed Mismatch In Purchase Order Shipments And Distributions (Doc ID 427917.1)

# Open and Closed Issues

Listing of open and closed issues.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Issue** | **Status** | **Resolution** | **Responsibility** | **Target Resolution Date** |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |



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**[Prospect Hill,](https://www.google.ie/maps/place/Version+1/@53.3469776,-6.2673371,17z/data=!3m1!4b1!4m5!3m4!1s0x48670e82fa5e0e7d:0x399dc20cab7b0ad!8m2!3d53.3469776!4d-6.2651484)**

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